

# FERNDALE TERRACE

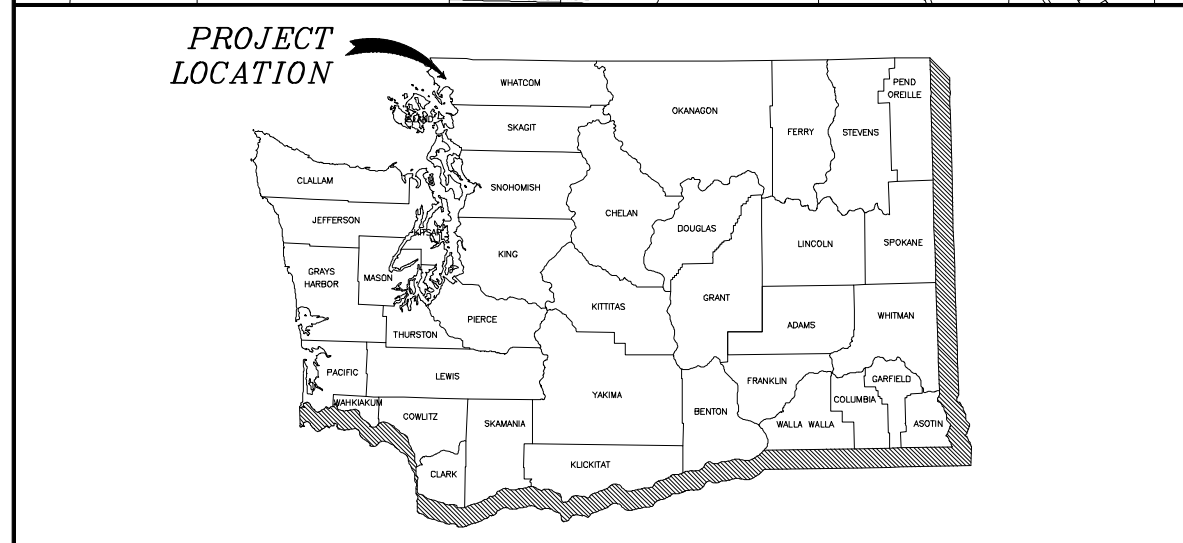
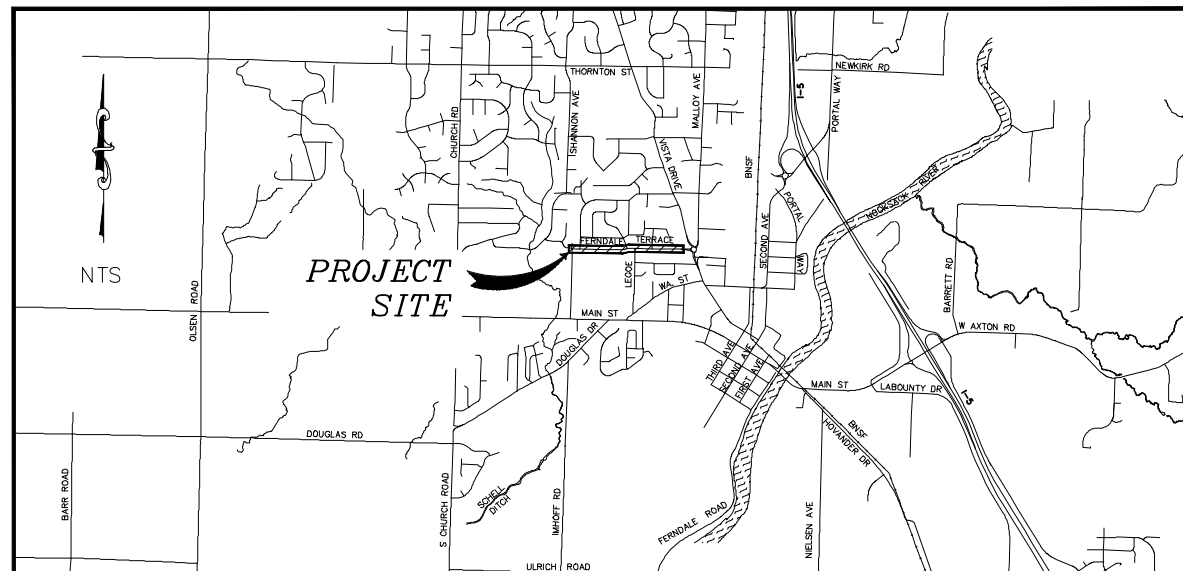
## FERNDALE, WA

### CITY - PROJECT NO. SW2016-01

FUNDED IN PART BY WASHINGTON STATE DEPARTMENT OF  
ECOLOGY AND TRANSPORTATION IMPROVEMENT BOARD

#### VICINITY MAP

PROJECT LOCATED IN SECTION 19, TOWNSHIP 40N, RANGE 2E, W.M.



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APPROVED FOR CONSTRUCTION

KEVIN RENZ  
PUBLIC WORKS DIRECTOR



CONSTRUCTION  
SET

DESIGNED BY  
GS/LMH  
DRAWN BY  
GS/LMH  
CHECKED BY  
LP

**R&E** Reichhardt & Ebe  
ENGINEERING INC  
P.O. Box 978 | 423 Front Street  
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|     |         |             |    |
|-----|---------|-------------|----|
| 3   | 1/31/25 | ADDENDUM 3  | LP |
| 1   | 1/17/25 | ADDENDUM 1  | GS |
| NO. | DATE    | DESCRIPTION | BY |

CITY OF FERNDALE  
2095 MAIN ST  
FERNDALE, WA 98248

FERNDALE TERRACE PROJECT  
HENDRICKSON AVENUE TO VISTA DRIVE  
COVER

DWG 18023 COVER

JOB#

18023

SCALE

H: N/A

V: N/A

DATE

1/31/25

SHEET

1  
of 85

LEGEND

EXISTING

|                     |                                      |
|---------------------|--------------------------------------|
| -----TB-----TB----- | = EXISTING TOP OF BANK               |
| -----BB-----BB----- | = EXISTING BOTTOM OF BANK            |
| -----C-----C-----   | = EXISTING DITCH C                   |
| -----95-----        | = EXISTING GRADE BREAK               |
| -----94-----        | = EXISTING MAJOR CONTOUR             |
| -----94-----        | = EXISTING MINOR CONTOUR             |
| -----X-----X-----   | = EXISTING GUARDRAIL                 |
| -----X-----X-----   | = EXISTING FENCE                     |
| -----O-----O-----   | = EXISTING HANDRAIL                  |
| -----O-----O-----   | = EXISTING GRAVEL                    |
| -----O-----O-----   | = EXISTING WALL                      |
| -----O-----O-----   | = EXISTING BUILDING                  |
| -----O-----O-----   | = EXISTING PROPERTY BOUNDARY         |
| -----O-----O-----   | = EXISTING RIGHT OF WAY              |
| -----O-----O-----   | = EXISTING RIGHT OF WAY C            |
| -----O-----O-----   | = EXISTING EASEMENT                  |
| -----O-----O-----   | = EXISTING SECTION LINE              |
| -----O-----O-----   | = EXISTING ROAD C                    |
| -----O-----O-----   | = EXISTING WETLANDS BOUNDARY         |
| -----O-----O-----   | = EXISTING STRIPE                    |
| -----O-----O-----   | = EXISTING EDGE OF PAVEMENT          |
| -----O-----O-----   | = EXISTING FLOWLINE                  |
| -----O-----O-----   | = EXISTING TOP BACK OF CURB          |
| -----O-----O-----   | = EXISTING SIDEWALK                  |
| -----O-----O-----   | = EXISTING BURIED POWER              |
| -----O-----O-----   | = EXISTING OVERHEAD POWER            |
| -----O-----O-----   | = EXISTING BURIED COMMUNICATIONS     |
| -----O-----O-----   | = EXISTING OVERHEAD COMMUNICATIONS   |
| -----O-----O-----   | = EXISTING BURIED FIBER OPTICS       |
| -----O-----O-----   | = EXISTING BURIED TV                 |
| -----O-----O-----   | = EXISTING BURIED TELEPHONE          |
| -----O-----O-----   | = EXISTING CONDUIT                   |
| -----O-----O-----   | = EXISTING GAS MAIN                  |
| -----O-----O-----   | = EXISTING WATER MAIN                |
| -----O-----O-----   | = EXISTING IRRIGATION LINE           |
| -----O-----O-----   | = EXISTING SANITARY SEWER FORCE MAIN |
| -----O-----O-----   | = EXISTING SANITARY SEWER            |
| -----O-----O-----   | = EXISTING STORM DRAIN               |
| -----O-----O-----   | = EXISTING ORDINARY HIGH WATER       |
| -----O-----O-----   | = EXISTING RR TRACKS                 |
| -----O-----O-----   | = EXISTING CULVERT                   |
| -----O-----O-----   | = EXISTING TREE LINE                 |
| -----O-----O-----   | = EXISTING CONCRETE                  |
| -----O-----O-----   | = EXISTING WETLAND                   |

LINE TYPES

PROPOSED

|                     |                                             |
|---------------------|---------------------------------------------|
| -----TB-----TB----- | = PROPOSED TOP OF BANK                      |
| -----BB-----BB----- | = PROPOSED BOTTOM OF BANK                   |
| -----C-----C-----   | = PROPOSED DITCH C                          |
| -----95-----        | = PROPOSED GRADE BREAK                      |
| -----94-----        | = PROPOSED MAJOR CONTOUR                    |
| -----94-----        | = PROPOSED MINOR CONTOUR                    |
| -----X-----X-----   | = PROPOSED FENCE                            |
| -----X-----X-----   | = PROPOSED HANDRAIL                         |
| -----O-----O-----   | = PROPOSED GRAVEL                           |
| -----O-----O-----   | = PROPOSED WALL                             |
| -----O-----O-----   | = PROPOSED BUILDING                         |
| -----O-----O-----   | = PROPOSED PAVEMENT VALLEY                  |
| -----O-----O-----   | = PROPOSED RIGHT OF WAY                     |
| -----O-----O-----   | = TEMPORARY CONSTRUCTION EASEMENT           |
| -----O-----O-----   | = PROPOSED ROAD C                           |
| -----O-----O-----   | = PROPOSED SAWCUT                           |
| -----O-----O-----   | = PROPOSED STRIPE                           |
| -----O-----O-----   | = PROPOSED EDGE OF PAVEMENT                 |
| -----O-----O-----   | = PROPOSED CURB AND GUTTER                  |
| -----O-----O-----   | = PROPOSED PATH                             |
| -----O-----O-----   | = PROPOSED SIDEWALK                         |
| -----O-----O-----   | = PROPOSED BURIED POWER                     |
| -----O-----O-----   | = PROPOSED OVERHEAD POWER                   |
| -----O-----O-----   | = PROPOSED TRAFFIC SIGNAL CONDUCTOR         |
| -----O-----O-----   | = PROPOSED FIBER OPTICS                     |
| -----O-----O-----   | = PROPOSED BURIED COMMUNICATIONS            |
| -----O-----O-----   | = PROPOSED OVERHEAD COMMUNICATIONS          |
| -----O-----O-----   | = PROPOSED HIGH VISIBILITY SILT FENCE       |
| -----O-----O-----   | = PROPOSED SILT FENCE                       |
| -----O-----O-----   | = PROPOSED CONDUIT                          |
| -----O-----O-----   | = PROPOSED IRRIGATION LINE                  |
| -----O-----O-----   | = PROPOSED WATER MAIN                       |
| -----O-----O-----   | = PROPOSED SANITARY SEWER                   |
| -----O-----O-----   | = PROPOSED STORM DRAIN                      |
| -----O-----O-----   | = PROPOSED CULVERT                          |
| -----O-----O-----   | = PROPOSED TREE/SHRUB LINE                  |
| -----O-----O-----   | = PROPOSED CONC. SIDEWALK/DRIVEWAY          |
| -----O-----O-----   | = PROPOSED EXPOSED AGGREGATE CONC. DRIVEWAY |
| -----O-----O-----   | = PROPOSED TEXTURED CONC. PAVEMENT          |
| -----O-----O-----   | = PROPOSED INFILTRATION TRENCH              |
| -----O-----O-----   | = PROPOSED INFILTRATION FILTER MEDIA        |
| -----O-----O-----   | = PROPOSED GRIND                            |
| -----O-----O-----   | = PROPOSED DEMOLITION AREA                  |
| -----O-----O-----   | = PROPOSED ASPHALT                          |
| -----O-----O-----   | = PROPOSED RIGHT OF ACQUISITION             |

EXISTING

|                   |                                                 |
|-------------------|-------------------------------------------------|
| -----O-----O----- | = EXISTING SIGNAL POLE                          |
| -----O-----O----- | = EXISTING SIGNAL POLE W/ LUMINAIRE             |
| -----O-----O----- | = EXISTING STREET LIGHT ASSEMBLY                |
| -----O-----O----- | = EXISTING YARD LIGHT                           |
| -----O-----O----- | = EXISTING GUY WIRE                             |
| -----O-----O----- | = EXISTING TRANSFORMER PAD                      |
| -----O-----O----- | = EXISTING POWER VAULT                          |
| -----O-----O----- | = EXISTING JBOX                                 |
| -----O-----O----- | = EXISTING UTILITY POLE                         |
| -----O-----O----- | = EXISTING TRAFFIC SIGNAL VAULT                 |
| -----O-----O----- | = EXISTING GAS METER                            |
| -----O-----O----- | = EXISTING GAS VALVE                            |
| -----O-----O----- | = EXISTING TELEPHONE PEDESTAL                   |
| -----O-----O----- | = EXISTING COMMUNICATIONS VAULT                 |
| -----O-----O----- | = EXISTING WATER SPIGOT                         |
| -----O-----O----- | = EXISTING WATER BLOW OFF                       |
| -----O-----O----- | = EXISTING WATER METER                          |
| -----O-----O----- | = EXISTING WATER VALVE                          |
| -----O-----O----- | = EXISTING FIRE HYDRANT                         |
| -----O-----O----- | = EXISTING RIP RAP OR QUARRY SPALLS             |
| -----O-----O----- | = EXISTING STORM AREA DRAIN                     |
| -----O-----O----- | = EXISTING STORM DRAIN CATCH BASIN TYPE I/INLET |
| -----O-----O----- | = EXISTING STORM DRAIN CATCH BASIN TYPE II      |
| -----O-----O----- | = EXISTING STORM CLEANOUT                       |
| -----O-----O----- | = EXISTING SEWER CLEANOUT                       |
| -----O-----O----- | = EXISTING SEWER MANHOLE                        |
| -----O-----O----- | = EXISTING SOIL BORING LOCATION                 |
| -----O-----O----- | = EXISTING MONITORING WELL                      |
| -----O-----O----- | = EXISTING STOP BAR OR CROSSWALK                |
| -----O-----O----- | = EXISTING MAIL BOX                             |
| -----O-----O----- | = EXISTING SIGN                                 |
| -----O-----O----- | = EXISTING BENCH MARK                           |
| -----O-----O----- | = EXISTING NAIL AND SHINER                      |
| -----O-----O----- | = EXISTING IRON PIPE                            |
| -----O-----O----- | = EXISTING MONUMENT (IN CASE)                   |
| -----O-----O----- | = EXISTING MONUMENT (SURFACE)                   |
| -----O-----O----- | = EXISTING ANGLE POINT                          |
| -----O-----O----- | = EXISTING ROCK WALL                            |
| -----O-----O----- | = EXISTING TREE STUMP                           |
| -----O-----O----- | = EXISTING SHRUB                                |
| -----O-----O----- | = EXISTING TREE                                 |

SYMBOLS

PROPOSED

|                   |                                                 |
|-------------------|-------------------------------------------------|
| -----O-----O----- | = PROPOSED HYDRANT                              |
| -----O-----O----- | = PROPOSED COUPLER                              |
| -----O-----O----- | = PROPOSED WATER METER                          |
| -----O-----O----- | = PROPOSED WATER VALVE                          |
| -----O-----O----- | = PROPOSED RIP RAP OR QUARRY SPALLS             |
| -----O-----O----- | = PROPOSED STORM AREA DRAIN                     |
| -----O-----O----- | = PROPOSED STORM DRAIN CATCH BASIN TYPE I/INLET |
| -----O-----O----- | = PROPOSED STORM DRAIN CATCH BASIN TYPE II      |
| -----O-----O----- | = PROPOSED STORM CLEANOUT                       |
| -----O-----O----- | = PROPOSED SANITARY SEWER CLEAN OUT             |
| -----O-----O----- | = PROPOSED SANITARY SEWER MANHOLE               |
| -----O-----O----- | = PROPOSED UTILITY POLE                         |
| -----O-----O----- | = PROPOSED JBOX (TYPE I, II, III)               |
| -----O-----O----- | = PROPOSED MONITORING WELL                      |
| -----O-----O----- | = PROPOSED STOP BAR OR CROSSWALK                |
| -----O-----O----- | = PROPOSED SIGN                                 |
| -----O-----O----- | = PROPOSED RRFB ASSEMBLY                        |
| -----O-----O----- | = FLOW ARROW                                    |
| -----O-----O----- | = PROPOSED ROCK WALL                            |
| -----O-----O----- | = PROPOSED TREE                                 |
| -----O-----O----- | = SECTION MARK                                  |

DEMOLITION LEGEND

|                   |                                         |
|-------------------|-----------------------------------------|
| -----O-----O----- | = PROPOSED SAWCUT                       |
| -----O-----O----- | = PROPOSED GRIND                        |
| -----O-----O----- | = PROPOSED DEMOLITION AREA              |
| -----O-----O----- | = PROPOSED GRAVEL DEMOLITION AREA       |
| -----O-----O----- | = PROPOSED CLEARING AND GRUBBING LIMITS |

LANDSCAPING LEGEND

|                   |                                                |
|-------------------|------------------------------------------------|
| -----O-----O----- | = PROPOSED RESTORATION                         |
| -----O-----O----- | = PROPOSED BARK OR WOOD CHIP MULCH RESTORATION |

GENERAL NOTES

PROTECTION OF THE ENVIRONMENT:

NO CONSTRUCTION RELATED ACTIVITY SHALL CONTRIBUTE TO THE DEGRADATION OF THE ENVIRONMENT, ALLOW MATERIAL TO ENTER SURFACE OR GROUND WATERS, OR ALLOW PARTICULATE EMISSIONS TO THE ATMOSPHERE, WHICH EXCEED STATE OR FEDERAL STANDARDS. ANY ACTIONS THAT POTENTIALLY ALLOW A DISCHARGE TO STATE WATERS MUST HAVE PRIOR APPROVAL OF THE WASHINGTON STATE DEPARTMENT OF ECOLOGY.



CONSTRUCTION SET

DESIGNED BY  
GS/LMH  
DRAWN BY  
GS/LMH  
CHECKED BY  
LP

**R&E** Reichhardt & Ebe  
ENGINEERING INC  
P.O. Box 978 | 423 Front Street  
Lynden, WA 98264 (360) 354-3687

| NO. | DATE | DESCRIPTION | BY |
|-----|------|-------------|----|
|     |      |             |    |
|     |      |             |    |
|     |      |             |    |

CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

FERNDAL TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
LEGEND AND ABBREVIATIONS

DWG 18023 COVER

JOB#

18023

SCALE

H: N/A

V: N/A

DATE

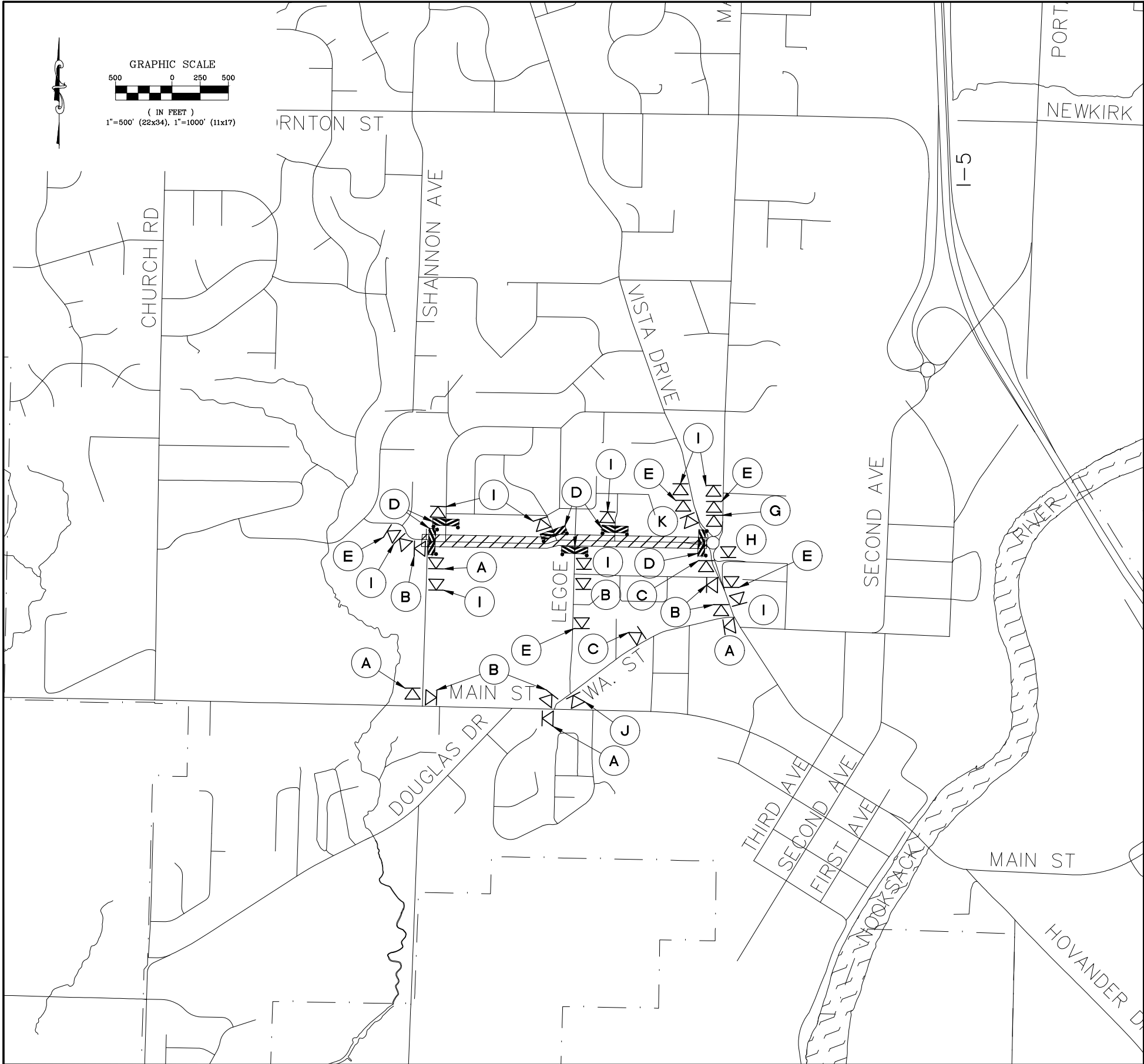
12/17/24

SHEET

2

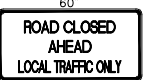
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LEGEND

 = SIGN (SHOWN FACING LEFT)  
 = PROPOSED WORK AREA

- A   
M4-10L  
B/O
- B   
M4-10R  
B/O
- C   
M4-9C
- D   
TWO TYPE III R AND TYPE III L BARRICADE WITH 2 TYPE A FLASHING WARNING LIGHTS
- E   
W20-2  
B/O
- F   
SPECIAL CONSTRUCTION SIGN  
B/O
- G   
SPECIAL CONSTRUCTION SIGN  
B/O
- H   
SPECIAL CONSTRUCTION SIGN  
B/O
- I   
R11-3A  
B/W
- J   
SPECIAL CONSTRUCTION SIGN  
B/O

| SIGN SPACING = X (1)                                           |                |           |
|----------------------------------------------------------------|----------------|-----------|
| RURAL ROADS                                                    | 45/55 MPH      | 500'±     |
| URBAN ARTERIALS & RURAL ROADS                                  | 35/40 MPH      | 350'±     |
| RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS | 25/30 MPH      | 200'± (2) |
| URBAN STREETS                                                  | 25 MPH OR LESS | 100'± (2) |
| ALL SIGNS ARE BLACK ON ORANGE UNLESS DESIGNATED OTHERWISE      |                |           |

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE AT-GRADE INTERSECTIONS AND DRIVEWAYS.  
(2) THIS SIGN SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.



CONSTRUCTION  
SET

DESIGNED BY  
DRAWN BY  
CHECKED BY  
**R&E** Reichhardt & Ebe  
ENGINEERING INC  
P.O. Box 978 | 423 Front Street  
Lynden, WA 98264 (360) 354-3687

| NO. | DATE | DESCRIPTION | BY |
|-----|------|-------------|----|
|     |      |             |    |
|     |      |             |    |
|     |      |             |    |

CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

FERNDAL TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
DETOUR PLAN

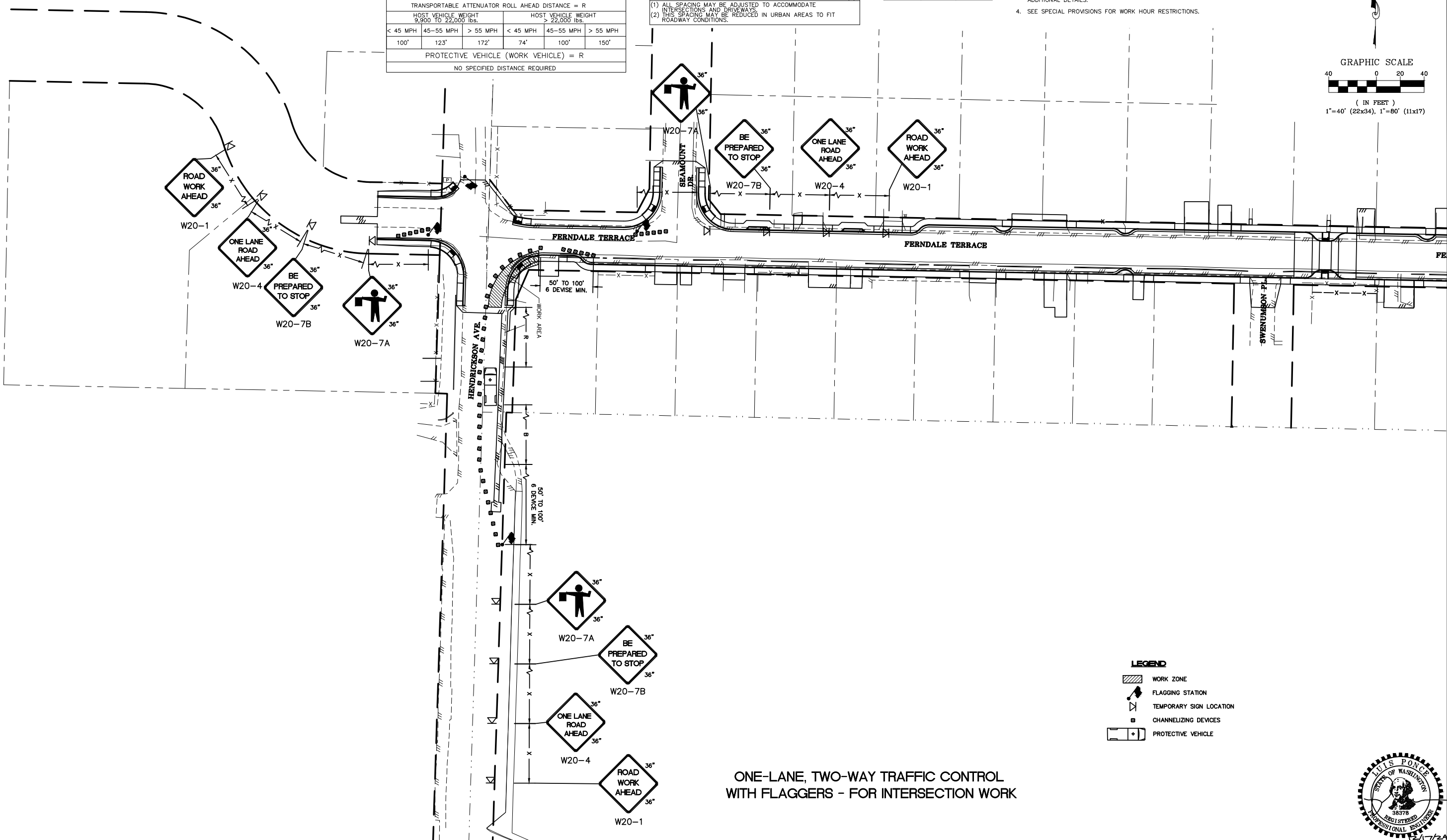
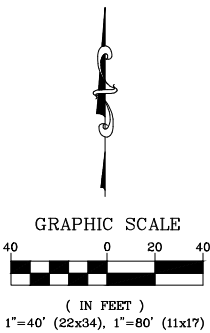
|                  |                         |
|------------------|-------------------------|
| DWG 18023 DETOUR | DATE 12/17/24           |
| JOB# 18023       | SCALE H: 1"=500' V: N/A |
| SHEET 3 of 85    |                         |

| BUFFER DATA                                      |           |          |     |     |                                      |           |          |      |     |     |
|--------------------------------------------------|-----------|----------|-----|-----|--------------------------------------|-----------|----------|------|-----|-----|
| LONGITUDINAL BUFFER SPACE = B                    |           |          |     |     |                                      |           |          |      |     |     |
| SPEED (MPH)                                      | 25        | 30       | 35  | 40  | 45                                   | 50        | 55       | 60   | 65  | 70  |
| LENGTH (feet)                                    | 155       | 200      | 250 | 305 | 360                                  | 425       | 495      | 570  | 645 | 730 |
| TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R |           |          |     |     |                                      |           |          |      |     |     |
| HOST VEHICLE WEIGHT<br>9,900 TO 22,000 lbs.      |           |          |     |     | HOST VEHICLE WEIGHT<br>> 22,000 lbs. |           |          |      |     |     |
| < 45 MPH                                         | 45-55 MPH | > 55 MPH |     |     | < 45 MPH                             | 45-55 MPH | > 55 MPH |      |     |     |
| 100'                                             | 123'      | 172'     |     |     | 74'                                  | 100'      |          | 150' |     |     |
| PROTECTIVE VEHICLE (WORK VEHICLE) = R            |           |          |     |     |                                      |           |          |      |     |     |
| NO SPECIFIED DISTANCE REQUIRED                   |           |          |     |     |                                      |           |          |      |     |     |

| SIGN SPACING = X (1)                                                        |                |            |
|-----------------------------------------------------------------------------|----------------|------------|
| RURAL HIGHWAYS                                                              | 60 / 65 MPH    | 800' ±     |
| RURAL ROADS                                                                 | 45 / 55 MPH    | 500' ±     |
| RURAL ROADS & URBAN ARTERIALS                                               | 35 / 40 MPH    | 350' ±     |
| RURAL ROADS, URBAN ARTERIALS,                                               | 25 / 30 MPH    | 200' ± (2) |
| RESIDENTIAL & BUSINESS DISTRICTS                                            | 25 MPH OR LESS | 100' ± (2) |
| URBAN STREETS                                                               | 25 MPH OR LESS | 100' ± (2) |
| (1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS. |                |            |
| (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.   |                |            |

| CHANNELIZATION DEVICE SPACING (FEET) |          |         |
|--------------------------------------|----------|---------|
| MPH                                  | TAPER    | TANGENT |
| 50/65                                | 10 TO 20 | 80      |
| 35/45                                | 10 TO 20 | 60      |
| 25/30                                | 10 TO 20 | 40      |

- NOTES:
1. ALL SIGNS ARE BLACK ON ORANGE.
  2. EXTENDING THE CHANNELIZING DEVICE TAPER ACROSS SHOULDER IS RECOMMENDED.
  3. NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT FLAGGING STATIONS. SEE THE STANDARD SPECIFICATIONS FOR ADDITIONAL DETAILS.
  4. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.



**LEGEND**

- WORK ZONE
- FLAGGING STATION
- TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- PROTECTIVE VEHICLE



**CONSTRUCTION SET**

DESIGNED BY CSM  
DRAWN BY CSM  
CHECKED BY CSM

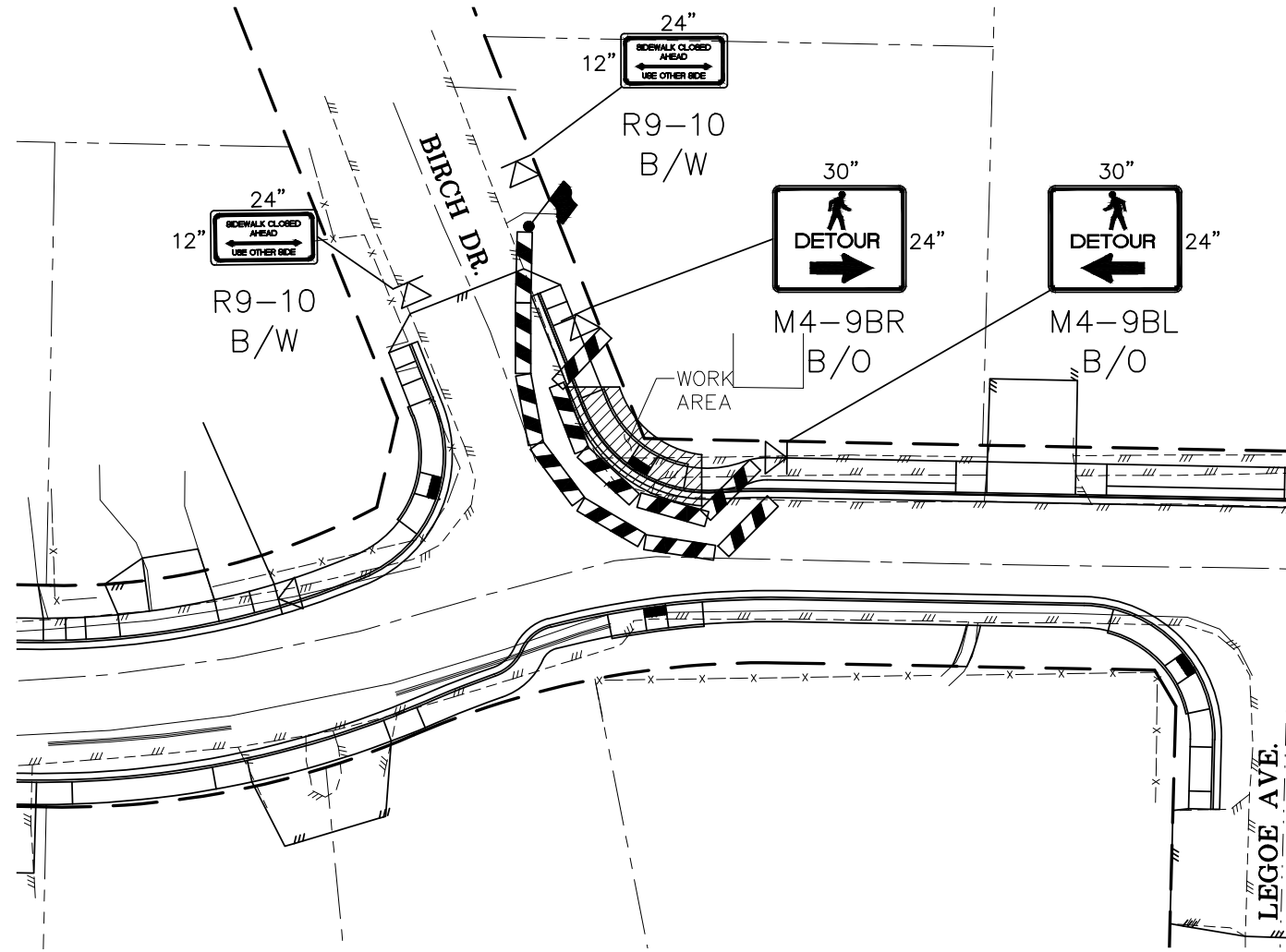
**R&E Reichhardt & Ebe ENGINEERING INC**  
P.O. Box 978 | 423 Front Street  
Lynden, WA 98264 (360) 354-3687

| NO. | DATE | DESCRIPTION | BY |
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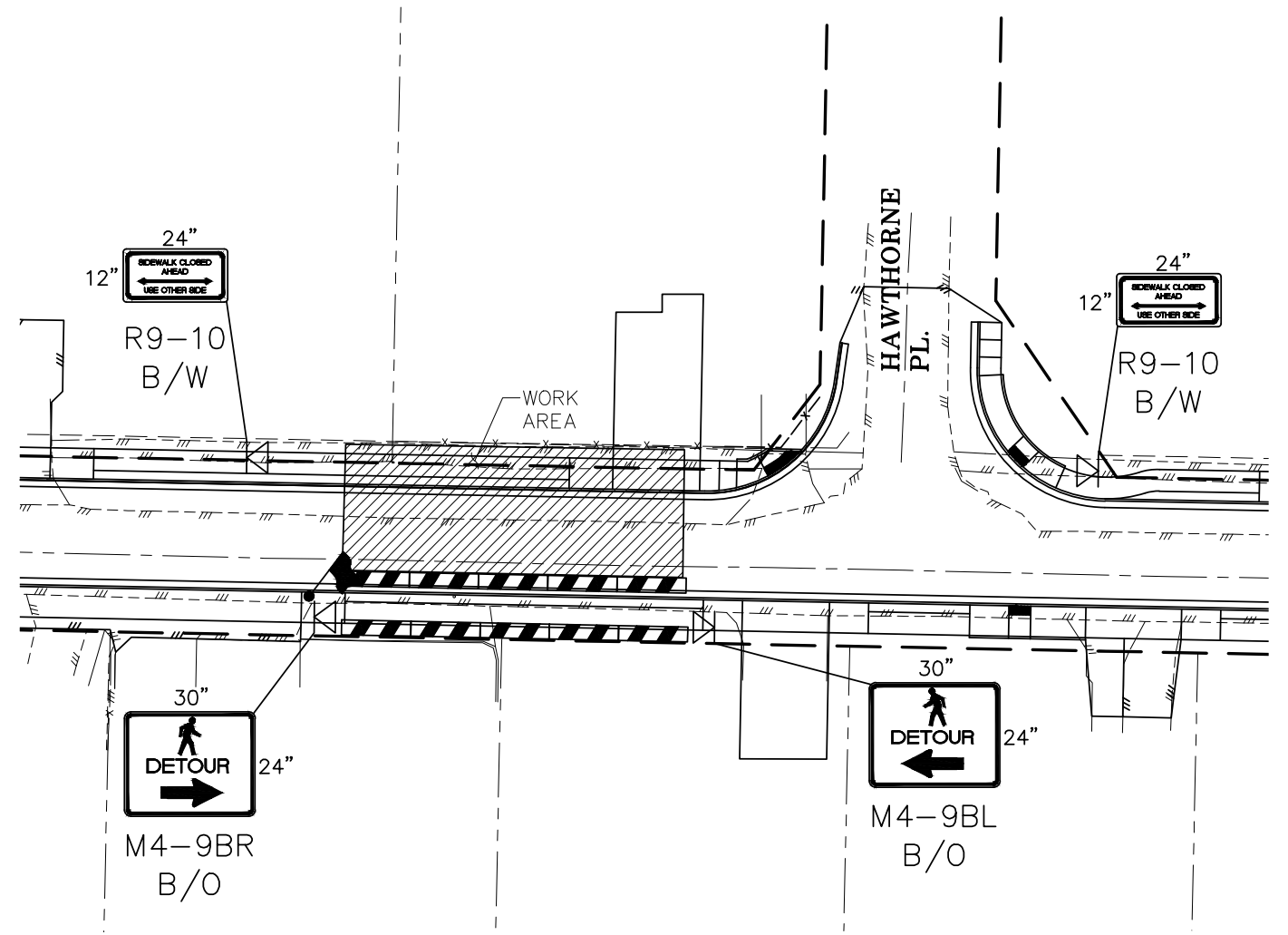
CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

FERNDAL TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
TRAFFIC CONTROL - FOUR WAY INTERSECTION WITH FLAGGERS

|              |                          |
|--------------|--------------------------|
| DWG 18023 TC | DATE 12/17/24            |
| JOB# 18023   | SCALE H: 1" = 30' V: N/A |
|              | SHEET 4 of 85            |



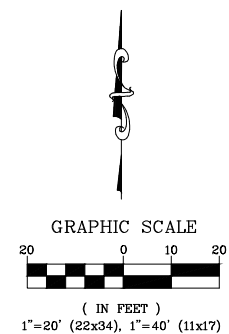
INTERSECTION PEDESTRIAN TRAFFIC CONTROL



PEDESTRIAN TRAFFIC CONTROL

- NOTES:
1. CONTROLS SHOWN ARE FOR PEDESTRIAN TRAFFIC ONLY.
  2. A 60" PATH WIDTH SHOULD BE MAINTAINED (48" IS THE MINIMUM).
  3. CONTACT AND COORDINATE IMPACTED TRANSIT AGENCIES PRIOR TO IMPLEMENTING ANY CLOSURES.
  4. ADA PEDESTRIAN FACILITIES MUST BE MAINTAINED. SEE STANDARD SPECIFICATION 1-10.2(1)B.
  5. CONTRACTOR TO PROVIDE PEDESTRIAN ACCESS THROUGHOUT THE ENTIRE PROJECT.
  6. CONTRACTOR SHALL PROVIDE FLAGGERS THROUGHOUT THE PROJECT DURATION TO ESCORT PEDESTRIANS AND/OR BICYCLISTS THROUGH THE PROJECT LIMITS.

- LEGEND
- WORK ZONE
  - TEMPORARY SIGN LOCATION
  - CHANNELIZING DEVICES
  - PEDESTRIAN CHANNELIZING DEVICES
  - TEMPORARY PEDESTRIAN RAMP FOR SIDEWALKS
  - FLAGGING STATION



**CONSTRUCTION  
SET**

DESIGNED BY  
CSM  
DRAWN BY  
CSM  
CHECKED BY

**R&E** Reichhardt & Ebe  
ENGINEERING INC  
P.O. Box 978 | 423 Front Street  
Lynden, WA 98264 (360) 354-3687

| NO. | DATE | DESCRIPTION | BY |
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CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

FERNDAL TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
TRAFFIC CONTROL - BIRCH DR + LEGOE AVE SIGNAGE

DWG 18023 TC

JOB#

18023

SCALE

H: 1" = 30' V: N/A

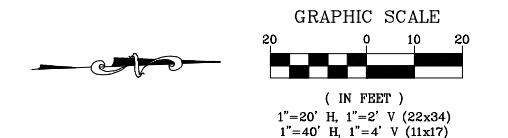
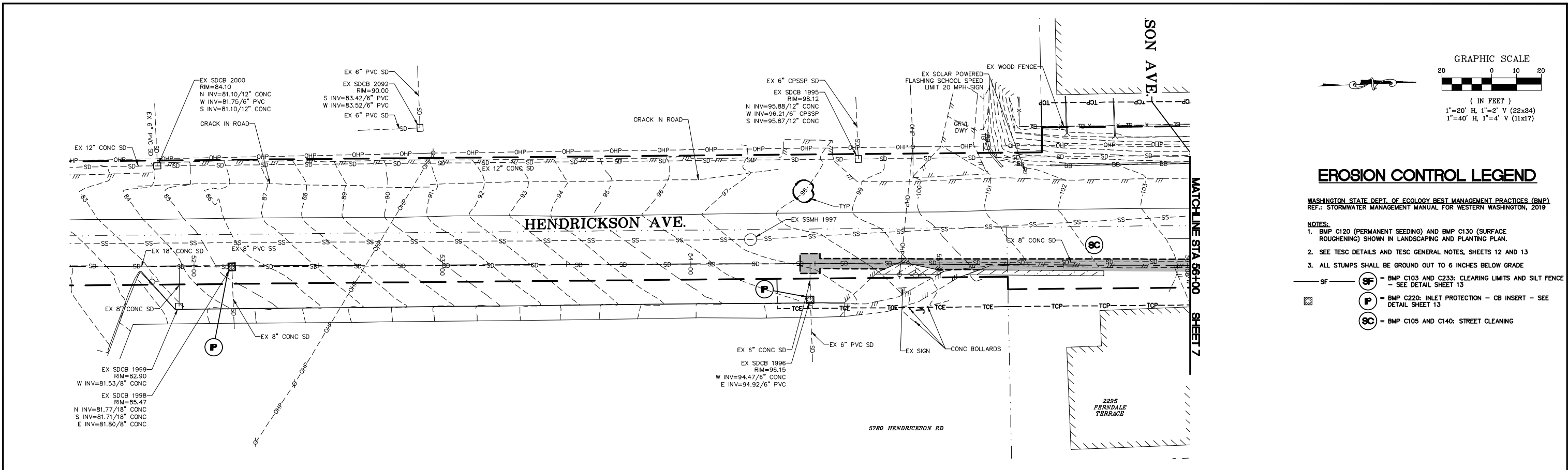
DATE

12/17/24

SHEET

5  
of 85

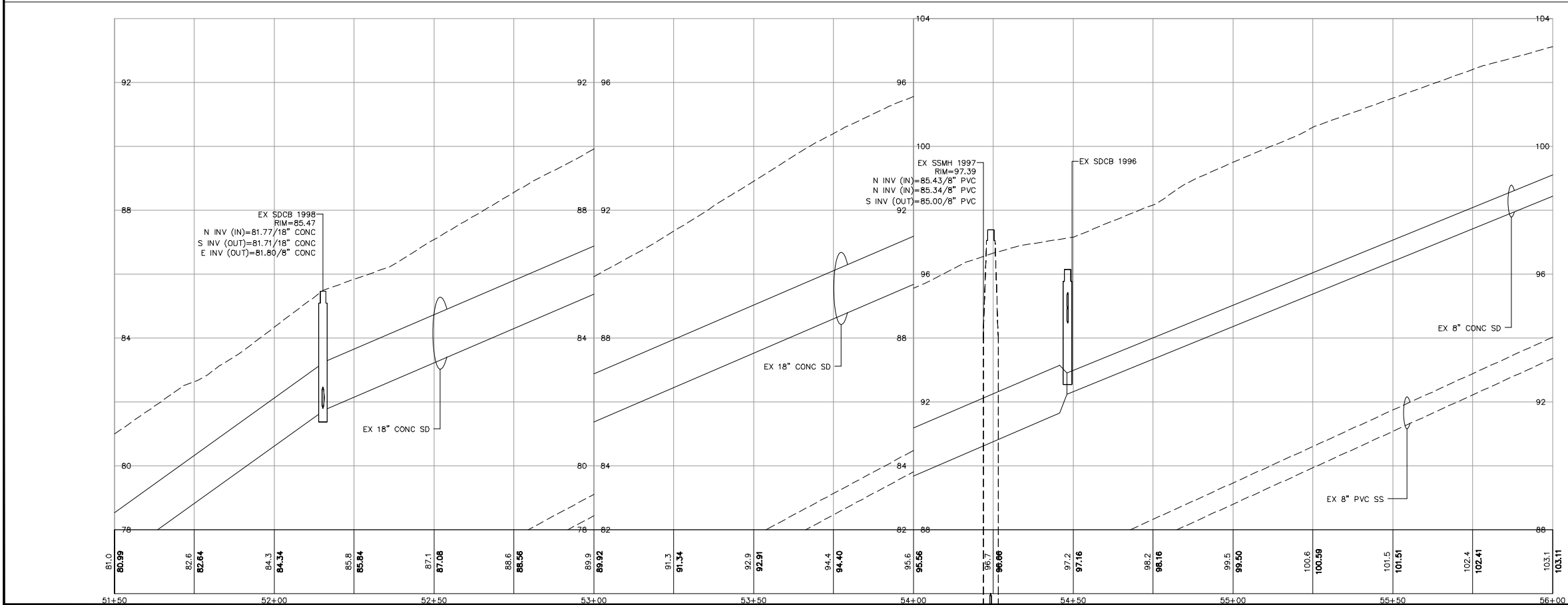




### EROSION CONTROL LEGEND

WASHINGTON STATE DEPT. OF ECOLOGY BEST MANAGEMENT PRACTICES (BMP)  
REF.: STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON, 2019

- NOTES:
- BMP C120 (PERMANENT SEEDING) AND BMP C130 (SURFACE ROUGHENING) SHOWN IN LANDSCAPING AND PLANTING PLAN.
  - SEE TESC DETAILS AND TESC GENERAL NOTES, SHEETS 12 AND 13
  - ALL STUMPS SHALL BE GROUND OUT TO 6 INCHES BELOW GRADE
- Legend symbols:
- SF = BMP C103 AND C233: CLEARING LIMITS AND SILT FENCE - SEE DETAIL SHEET 13
  - P = BMP C220: INLET PROTECTION - CB INSERT - SEE DETAIL SHEET 13
  - SC = BMP C105 AND C140: STREET CLEANING



\*ADDENDUM NOTE:  
CONTOUR LABELS ADDED TO EXISTING CONTOURS ON  
SHEETS 6 THROUGH 11.

CONSTRUCTION SET

DESIGNED BY  
GS/LMH  
DRAWN BY  
GS/LMH  
CHECKED BY  
LP

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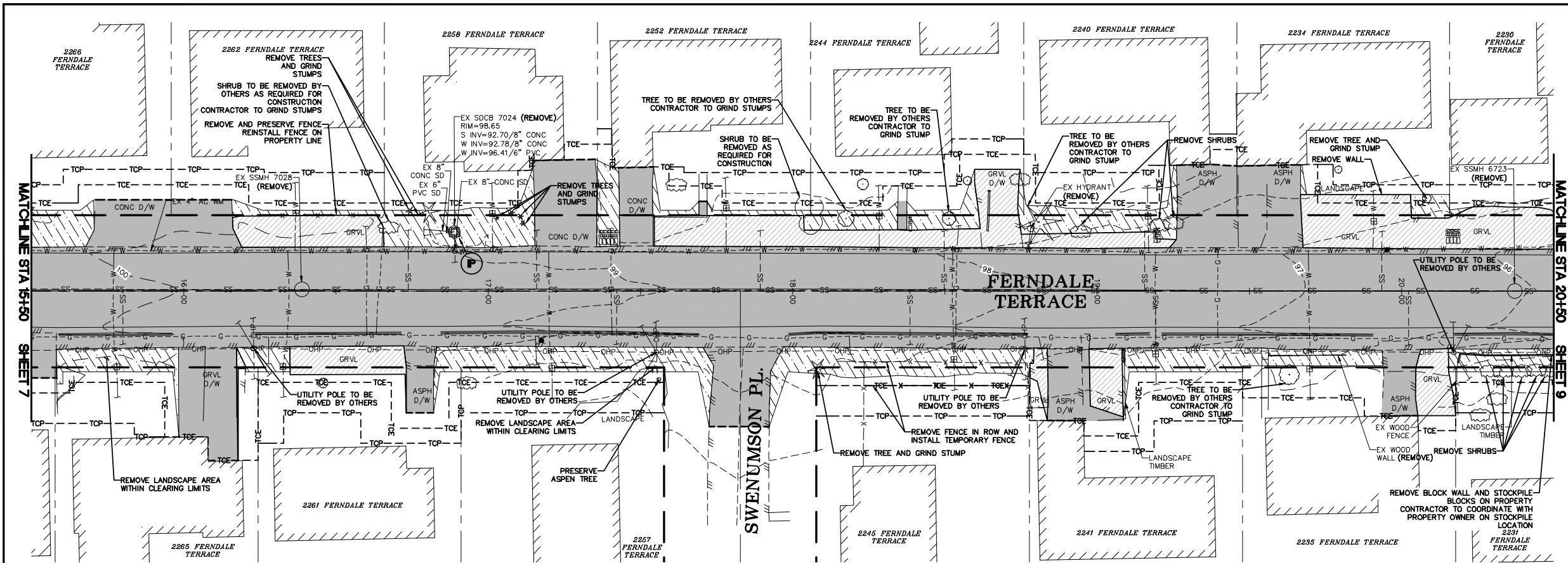
| NO. | DATE    | DESCRIPTION | BY |
|-----|---------|-------------|----|
| 1   | 1/17/25 | ADDENDUM 1* | GS |

CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

FERNDAL TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
EX COND, DEMO AND TESC - HENDRICKSON

|                     |                              |
|---------------------|------------------------------|
| DWG # 18023 EX COND | DATE 1/17/25                 |
| JOB # 18023         | SCALE H: 1" = 20' V: 1" = 2' |
| SHEET 6 of 85       |                              |

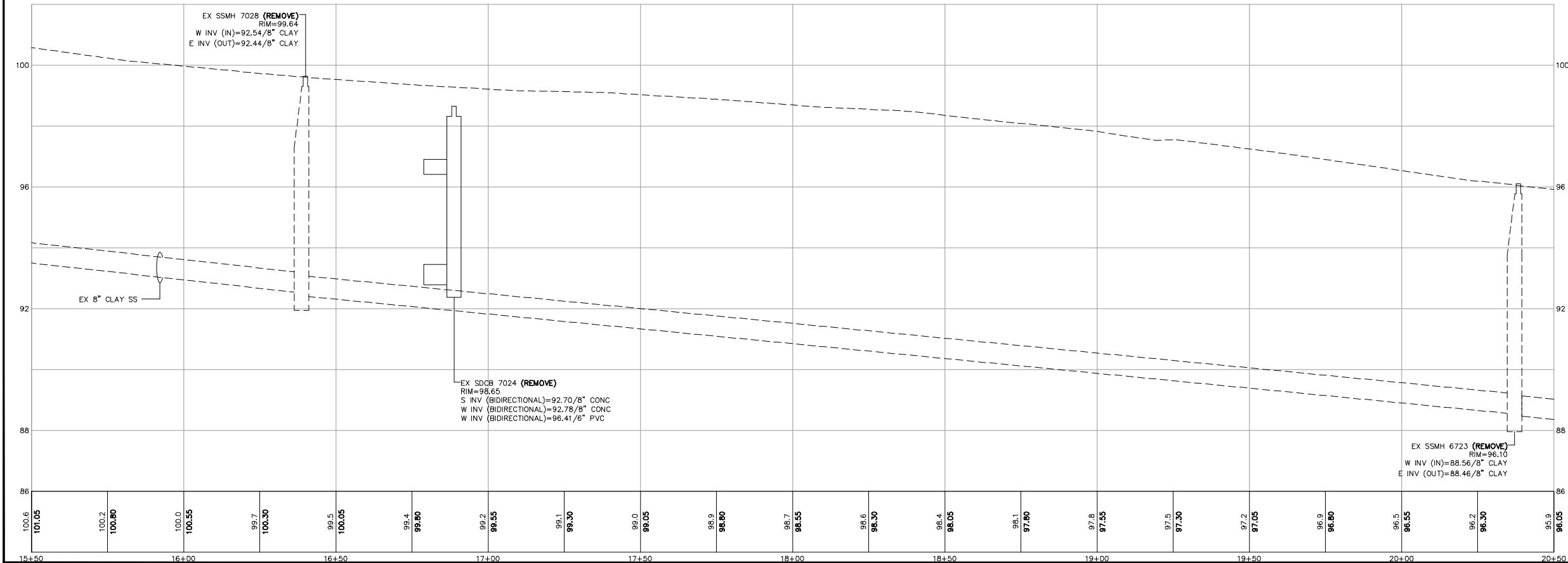
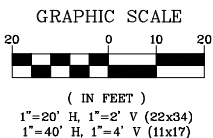




# EROSION CONTROL LEGEND

WASHINGTON STATE DEPT. OF ECOLOGY BEST MANAGEMENT PRACTICES (BMP)  
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CONSTRUCTION SET

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LP

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| NO. | DATE    | DESCRIPTION | BY |
|-----|---------|-------------|----|
| 1   | 1/17/25 | ADDENDUM 1  | GS |

CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

FERNDAL TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
EX COND, DEMO AND TESC - STA 15+50 TO 20+50

DWG 18023 EX COND

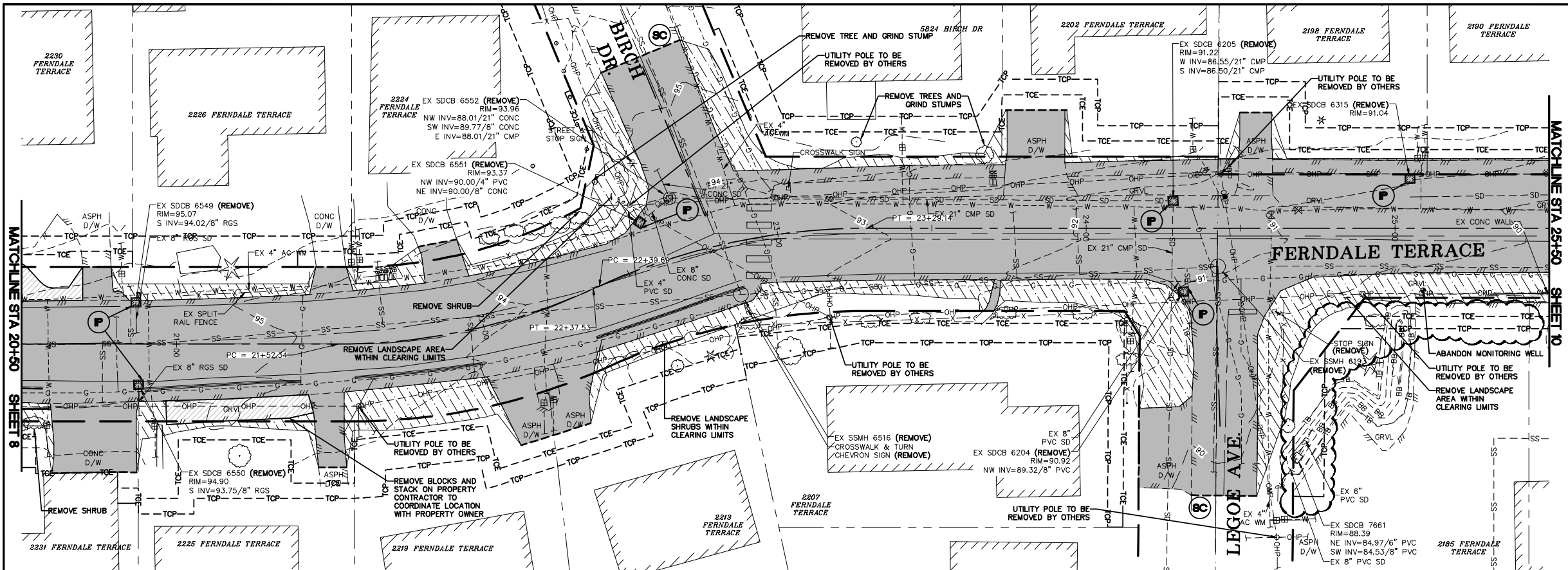
JOB# 18023

SCALE  
H: 1" = 20' V: 1" = 5'

DATE  
1/17/25

SHEET  
8 of 85

LUIS PONCE  
STATE OF WASHINGTON  
PROFESSIONAL ENGINEER  
188378  
1/17/25



## EROSION CONTROL LEGEND

WASHINGTON STATE DEPT. OF ECOLOGY BEST MANAGEMENT PRACTICES (BMP)  
REF.: STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON, 2019

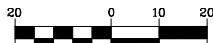
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- (P)** = BMP C220: INLET PROTECTION - CB INSERT - SEE DETAIL SHEET 13
- (SC)** = BMP C105 AND C140: STREET CLEANING

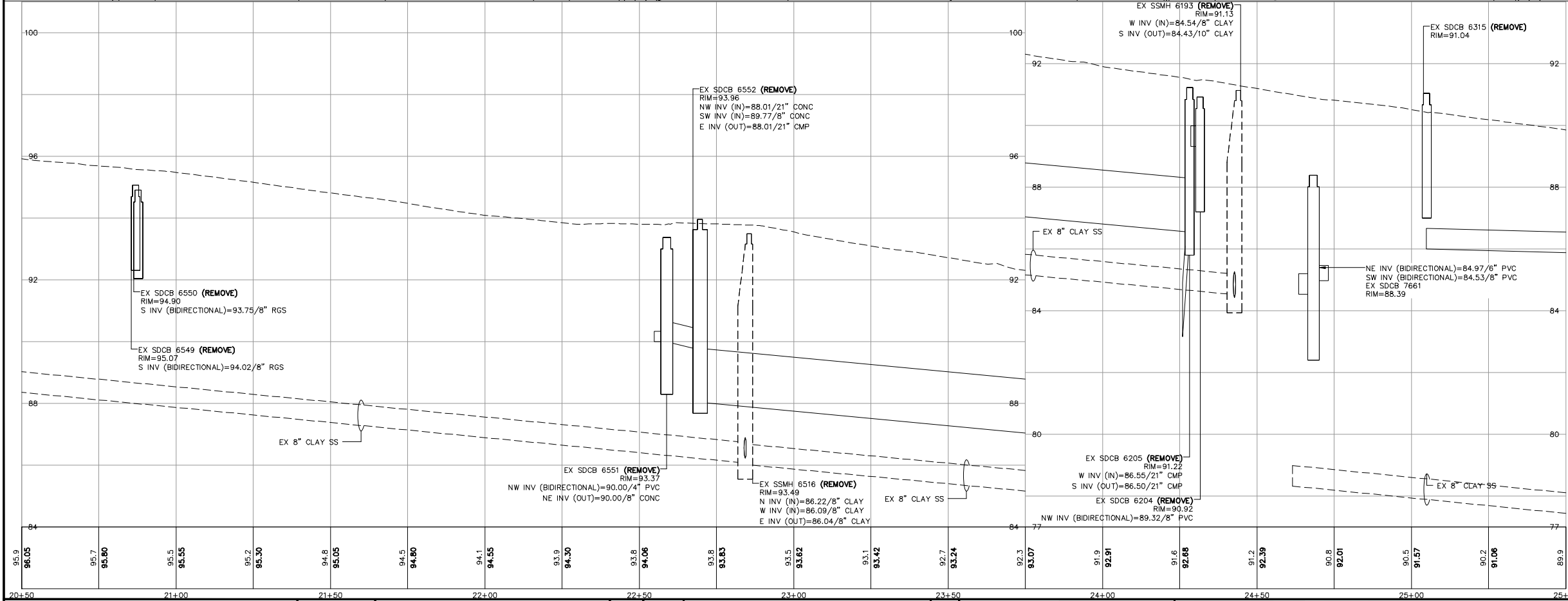


### GRAPHIC SCALE



( IN FEET )

1"=20' H, 1"=2' V (22x34)  
1"=40' H, 1"=4' V (11x17)



## CONSTRUCTION SET

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| 1   | 1/17/25 | ADDENDUM 1  | GS |

CITY OF FERDALE  
2095 MAIN ST  
FERDALE, WA 98248

FERDALE TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
EX COND, DEMO AND TESC - STA 20+50 TO 25+50

DWG 18023 EX COND

JOB#  
18023

SCALE  
H: 1" = 20' V: 1" = 5'

DATE  
1/17/25  
SHEET  
9  
of 85



WASHINGTON STATE DEPT. OF ECOLOGY BEST MANAGEMENT PRACTICES (BMP)  
REF.: STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON, 2019

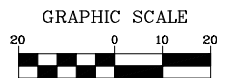
**NOTES:**

1. BMP C120 (PERMANENT SEEDING) AND BMP C130 (SURFACE ROUGHENING) SHOWN IN LANDSCAPING AND PLANTING PLAN.
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— SEE DETAIL SHEET 13

 = BMP C220: INLET PROTECTION - CB INSERT - SEE  
DETAIL SHEET 13

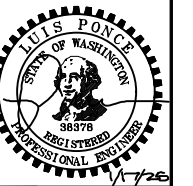
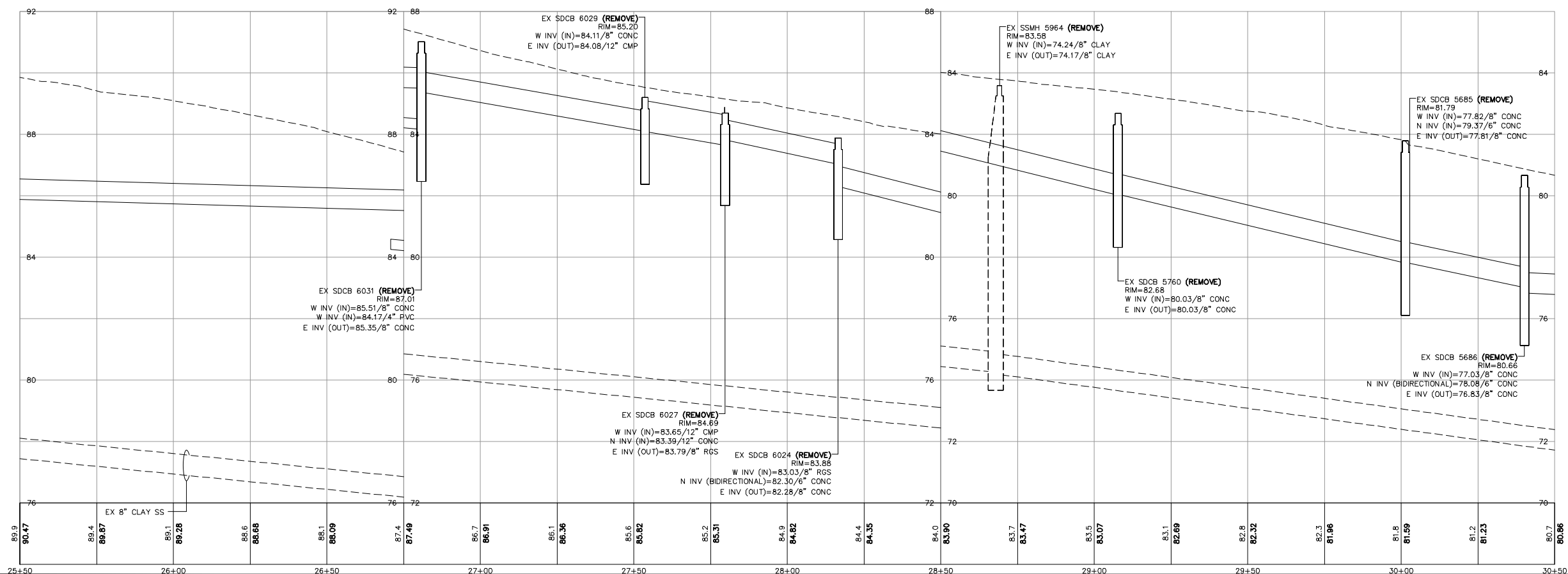
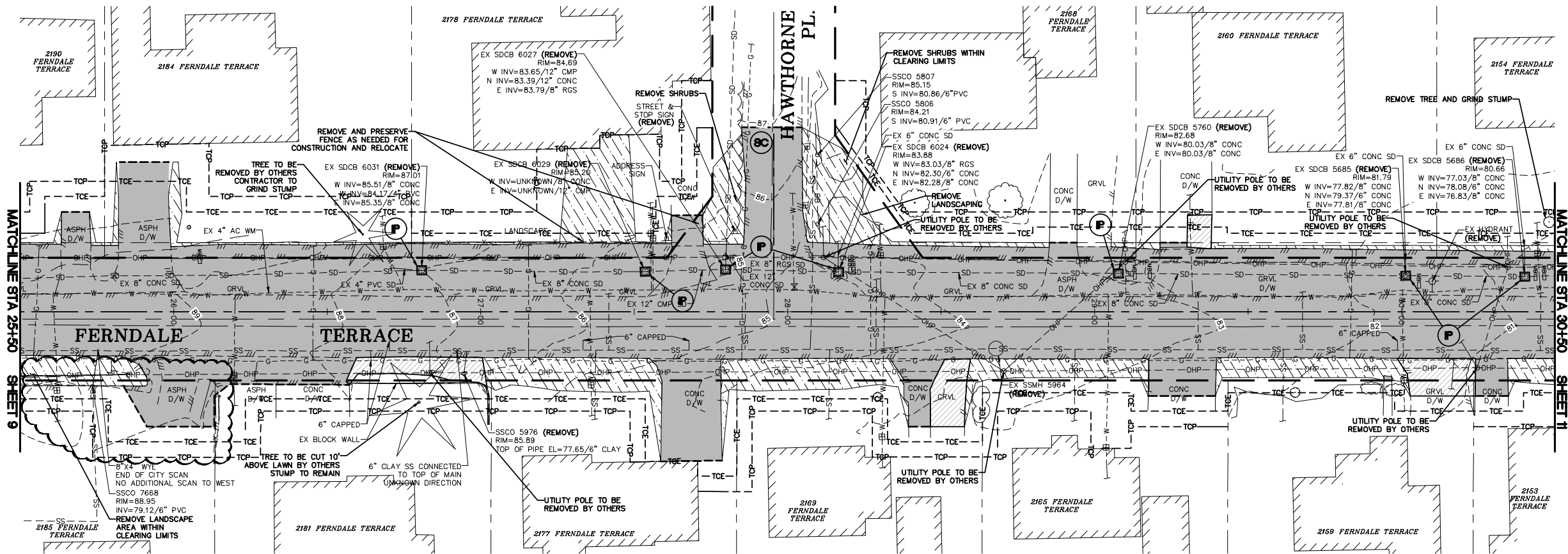
**(SC)** = BMP C105 AND C140: STREET CLEANING



( IN FEET )

1"=20' H, 1"=2' V (22x34)

1"=40' H, 1"=4' V (11x17)



# CONSTRUCTION SET

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|-------------|--------|
| DESIGNED BY | GS/LMH |
| DRAWN BY    | GS/LMH |
| CHECKED BY  | LP     |



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| 1   | 1/17/25 | ADDENDUM 1  | GS |
| NO. | DATE    | DESCRIPTION | BY |

CITY OF FERNDALE  
2095 MAIN ST  
FERNDALE, WA 98248

**FERNDALE TERRACE PROJECT**  
**VISTA DRIVE TO HENDRICKSON AVENUE**  
**EX COND, DEMO AND TESC - STA 25+50 TO 30+50**

DWG 18023 EX COND

JOB#

SCALE

$$H: 1'' = 20' \quad V: 1'' = 2'$$

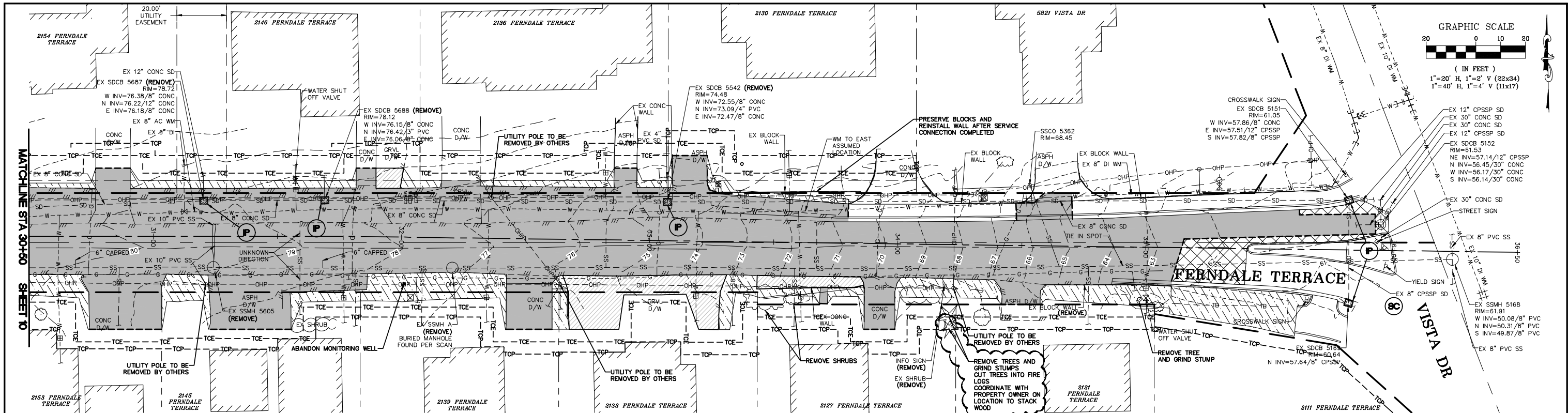
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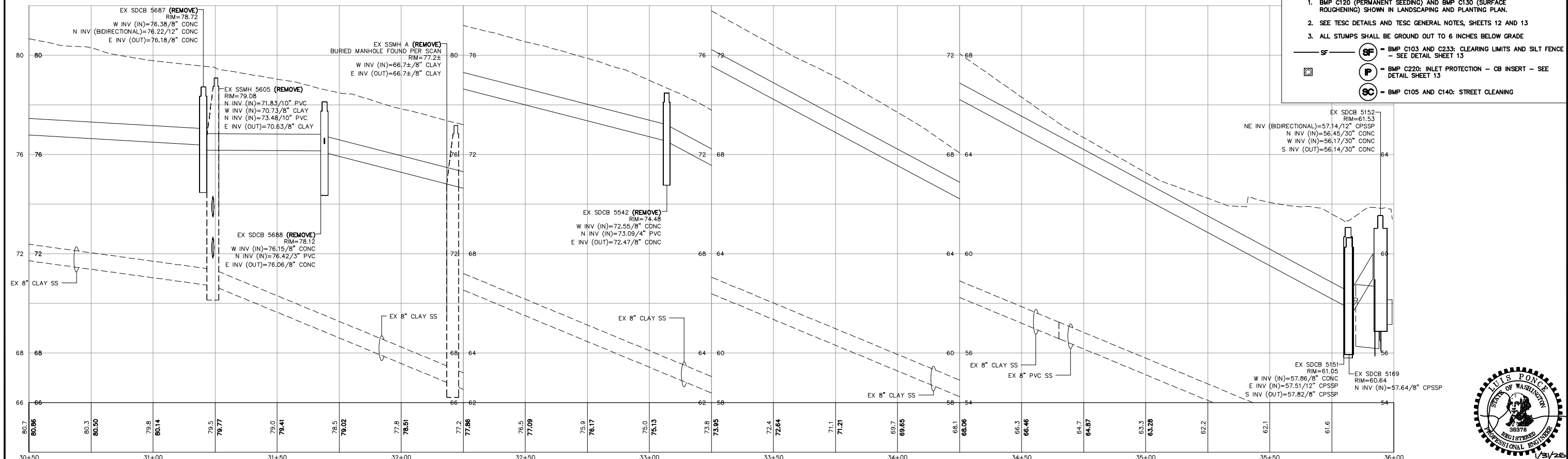
### EROSION CONTROL LEGEND

WASHINGTON STATE DEPT. OF ECOLOGY BEST MANAGEMENT PRACTICES (BMP)  
REF.: STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON, 2019

#### NOTES:

- BMP C120 (PERMANENT SEEDING) AND BMP C130 (SURFACE ROUGHENING) SHOWN IN LANDSCAPING AND PLANTING PLAN.
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- (P) — = BMP C220: INLET PROTECTION — CB INSERT — SEE DETAIL SHEET 13
- (SC) — = BMP C105 AND C140: STREET CLEANING



## CONSTRUCTION SET

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| NO. | DATE    | DESCRIPTION | BY |
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| 3   | 1/31/25 | ADDENDUM 3  | LP |
| 1   | 1/17/25 | ADDENDUM 1  | GS |
| NO. | DATE    | DESCRIPTION | BY |

CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

FERNDAL TERRACE PROJECT  
HENDRICKSON AVENUE TO VISTA DRIVE  
EX COND, DEMO AND TESC - STA 30+50 TO 36+50

DWG 18023 EX COND  
JOB# 18023  
SCALE H: 1" = 20' V: 1" = 2'



DATE 1/31/25  
SHEET 11 of 85

CONSTRUCTION SWPPP ELEMENTS

THIS PLAN PROVIDES THE MINIMUM REQUIREMENTS. THE CONTRACTOR SHALL ADAPT THE PLAN IN ORDER TO PREVENT SEDIMENT LADEN STORM WATER FROM LEAVING THE SITE. THE CONTRACTOR'S CERTIFIED EROSION AND SEDIMENT CONTROL LEAD (CESCL) SHALL UTILIZE THE WASHINGTON STATE DEPARTMENT OF ECOLOGY 2019 STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON (SWMMWW) FOR SELECTING, INSTALLING AND MAINTAINING THE CORRECT BMP'S BASED OF METHOD OF CONSTRUCTION UTILIZED BY THE CONTRACTOR. ALL ITEM'S SHALL BE OVERSEEN BY A CESCL AND BE SUBJECT TO INSPECTION BY THE ENGINEER AND/OR THE CITY OF FERNDALE PUBLIC WORKS DEPARTMENT.

ELEMENT 1: PRESERVE VEGETATION/MARK CLEARING LIMITS

- BEFORE BEGINNING LAND DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRADING, CLEARLY MARK ALL CLEARING LIMITS, SENSITIVE AREAS AND THEIR BUFFERS, AND TREES THAT ARE TO BE PRESERVED WITHIN THE CONSTRUCTION AREA.
- RETAIN THE DUFF LAYER, NATIVE TOP SOIL, AND NATURAL VEGETATION IN AN UNDISTURBED STATE TO THE MAXIMUM DEGREE PRACTICABLE.
- BMP C101: PRESERVING NATURAL VEGETATION
- BMP C102: BUFFER ZONES
- BMP C103/C233: HIGH VISIBILITY SILT FENCE

ELEMENT 2: ESTABLISH CONSTRUCTION ACCESS

- LIMIT CONSTRUCTION VEHICLE ACCESS AND EXIT TO ONE ROUTE, IF POSSIBLE.
- STABILIZE ACCESS POINTS WITH A PAD OF QUARRY SPALLS, CRUSHED ROCK, OR OTHER EQUIVALENT BMPS, TO MINIMIZE TRACKING OF SEDIMENT ONTO PUBLIC ROADS.
- LOCATE WHEEL WASH OR TIRE BATHS ON SITE, IF THE STABILIZED CONSTRUCTION ENTRANCE IS NOT EFFECTIVE IN PREVENTING TRACKING SEDIMENT ONTO ROADS.
- IF SEDIMENT IS TRACKED OFF SITE, CLEAN THE AFFECTED ROADWAY(S) THOROUGHLY AT THE END OF EACH DAY, OR MORE FREQUENTLY AS NECESSARY (FOR EXAMPLE, DURING WET WEATHER). REMOVE SEDIMENT FROM ROADS BY SHOVELING, SWEEPING, OR PICK UP AND TRANSPORTING THE SEDIMENT TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- CONDUCT STREET WASHING ONLY AFTER SEDIMENT HAS BEEN REMOVED FROM THE ABOVE BULLET.
- CONTROL STREET WASH WASTEWATER BY PUMPING BACK ON SITE, OR OTHERWISE PREVENT IT FROM DISCHARGING INTO SYSTEMS TRIBUTARY TO WATERS OF THE STATE.
- BMP C105: STABILIZED CONSTRUCTION ACCESS
- BMP C107: CONSTRUCTION ROAD/PARKING AREA STABILIZATION

ELEMENT 3: CONTROL FLOW RATES

- PROTECT PRIORITIES AND WATERWAYS DOWNSTREAM OF DEVELOPMENT SITES FROM EROSION AND THE ASSOCIATED DISCHARGE OF TURBID WATERS DUE TO INCREASES IN THE VELOCITY AND PEAK VOLUMETRIC FLOW RATE OF STORMWATER RUNOFF FROM THE PROJECT SITE.
- WHERE NECESSARY TO COMPLY WITH THE BULLET ABOVE, CONSTRUCT STORMWATER INFILTRATION OR DETENTION BMPS AS ONE OF THE FIRST STEPS IN GRADING, ASSURE THAT DETENTION BMPS FUNCTION PROPERLY BEFORE CONSTRUCTING SITE IMPROVEMENTS (E.G. IMPERVIOUS SURFACES).
- IF PERMANENT INFILTRATION BMPS ARE USED FOR TEMPORARY FLOW CONTROL DURING CONSTRUCTION, PROTECT THESE BMPS FROM SILTATION DURING THE CONSTRUCTION PHASE.
- BMP C208: TRIANGULAR SILT DIKE (GEOTEXTILE-ENCASED CHECK DAM)

ELEMENT 4: INSTALL SEDIMENT CONTROLS

- DESIGN, INSTALL, AND MAINTAIN EFFECTIVE EROSION CONTROLS AND SEDIMENT CONTROLS TO MINIMIZE THE DISCHARGE OF POLLUTANTS.
- CONSTRUCT SEDIMENT CONTROL BMPS (SEDIMENT PONDS, TRAPS, FILTERS, ETC.) AS ONE OF THE FIRST STEPS IN GRADING. THESE BMPS MUST BE FUNCTIONAL BEFORE OTHER LAND DISTURBING ACTIVITIES TAKE PLACE.
- MINIMIZE SEDIMENT DISCHARGES FROM THE SITE. THE DESIGN, INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROLS MUST ADDRESS FACTORS SUCH AS THE AMOUNT, FREQUENCY, INTENSITY AND DURATION OF PRECIPITATION, THE NATURE OF RESULTING STORMWATER RUNOFF, AND SOIL CHARACTERISTICS, INCLUDING THE RANGE OF SOIL PARTICLE SIZES EXPECTED TO BE PRESENT ON THE SITE.
- DIRECT STORMWATER RUNOFF FROM DISTURBED AREAS THROUGH BMP C241: SEDIMENT POND (TEMPORARY) OR OTHER APPROPRIATE SEDIMENT REMOVAL BMP BEFORE THE RUNOFF LEAVES A CONSTRUCTION SITE OR BEFORE DISCHARGE TO AN INFILTRATION FACILITY. RUNOFF FROM FULLY STABILIZED AREAS MAY BE DISCHARGED WITHOUT A SEDIMENT REMOVAL BMP, BUT MUST CONTROL FLOW RATES PER ELEMENT 3: CONTROL FLOW RATES.
- LOCATE BMPS INTENDED TO TRAP SEDIMENT ON SITE IN A MANNER TO AVOID INTERFERENCE WITH THE MOVEMENT OF JUVENILE SALMONIDS ATTEMPTING TO ENTER OFF-CHANNEL AREAS OR DRAINAGES.
- WHERE FEASIBLE, DESIGN OUTLET STRUCTURES THAT WITHDRAW IMPOUNDED STORMWATER FROM THE SURFACE TO AVOID DISCHARGING SEDIMENT THAT IS STILL SUSPENDED LOWER IN THE WATER COLUMN.
- BMP C208: TRIANGULAR SILT DIKE (GEOTEXTILE-ENCASED CHECK DAM)
- BMP C233: SILT FENCE

ELEMENT 5: STABILIZE SOILS

- STABILIZE EXPOSED AND UNWORKED SOILS BY APPLICATION OF EFFECTIVE BMPS THAT PREVENT EROSION. APPLICABLE BMPS INCLUDE, BUT ARE NOT LIMITED TO: TEMPORARY AND PERMANENT SEEDING, SODDING, MULCHING, PLASTIC COVERING, EROSION CONTROL FABRICS AND MATTING, SOIL APPLICATION OF POLYACRYLAMIDE (PAM), THE EARLY APPLICATION OF GRAVEL BASE ON AREAS TO BE PAVED, AND DUST CONTROL.
- CONTROL STORMWATER VOLUME AND VELOCITY WITHIN THE SITE TO MINIMIZE SOIL EROSION.
- CONTROL STORMWATER DISCHARGES, INCLUDING BOTH PEAK FLOW RATES AND TOTAL STORMWATER VOLUME, TO MINIMIZE EROSION AT OUTLETS AND TO MINIMIZE DOWNSTREAM CHANNEL AND STREAM BANK EROSION.
- SOILS MUST NOT REMAIN EXPOSED AND UNWORKED FOR MORE THAN THE TIME PERIODS SET FORTH BELOW TO PREVENT EROSION:
- DURING THE DRY SEASON (MAY 1 – SEPTEMBER 30): 7 DAYS
- DURING THE WET SEASON (OCTOBER 1 – APRIL 30): 2 DAYS
- STABILIZE SOILS AT THE END OF THE SHIFT BEFORE A HOLIDAY OR WEEKEND IF NEEDED BASED ON THE WEATHER FORECAST.
- STABILIZE SOIL STOCKPILES FROM EROSION, PROTECT WITH SEDIMENT TRAPPING MEASURES, AND WHERE POSSIBLE, LOCATE AWAY FROM STORM DRAIN INLETS, WATERWAYS AND DRAINAGE CHANNELS.
- MINIMIZE THE AMOUNT OF SOIL EXPOSED DURING CONSTRUCTION ACTIVITY.
- MINIMIZE THE DISTURBANCE OF STEEP SLOPES.
- MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
- BMP C120: TEMPORARY AND PERMANENT SEEDING
- BMP C123: PLASTIC COVERING (AS NEEDED)
- BMP C130: SURFACE ROUGHENING
- BMP C140: DUST CONTROL

ELEMENT 6: PROTECT SLOPES

- DESIGN AND CONSTRUCT CUT-AND-FILL SLOPES IN A MANNER TO MINIMIZE EROSION. APPLICABLE PRACTICES INCLUDE, BUT ARE NOT LIMITED TO, REDUCING CONTINUOUS LENGTH OF SLOPE WITH TERRACING AND DIVERSIONS, REDUCING SLOPE STEEPNESS, AND ROUGHENING SLOPE SURFACES (FOR EXAMPLE, TRACK WALKING).
- DIVERT OFF-SITE STORMWATER (RUN-ON) OR GROUND WATER AWAY FROM SLOPES AND DISTURBED AREAS WITH INTERCEPTOR DIKES, PIPES AND/OR SWALES. OFF-SITE STORMWATER SHOULD BE MANAGED SEPARATELY FROM STORMWATER GENERATED ON THE SITE.
- AT THE TOP OF SLOPES, COLLECT DRAINAGE IN PIPE SLOPE DRAINS OR PROTECTED CHANNELS TO PREVENT EROSION. TEMPORARY PIPE SLOPE DRAINS MUST BE SIZED TO CONVEY THE FLOW RATE CALCULATED BY ONE OF THE FOLLOWING METHODS:
- SINGLE EVENT HYDROGRAPH METHOD: THE PEAK VOLUMETRIC FLOW RATE CALCULATED USING A 10-MINUTE TIME STEP FROM A TYPE 1A, 10-YEAR, 24-HOUR FREQUENCY STORM.
- CONTINUOUS SIMULATION METHOD: THE 10-YEAR PEAK FLOW RATE, AS DETERMINED BY AN APPROVED CONTINUOUS RUNOFF MODEL WITH A 15-MINUTE TIME STEP.
- THE HYDROLOGIC ANALYSIS MUST USE THE EXISTING LAND COVER CONDITION FOR PREDICTING FLOW RATES FROM TRIBUTARY AREAS OUTSIDE THE PROJECT LIMITS. FOR TRYBUTARY AREAS ON THE PROJECT SITE, THE ANALYSIS MUST USE THE TEMPORARY OR PERMANENT PROJECT LAND COVER CONDITION, WHICHEVER WILL PRODUCE THE HIGHEST FLOW RATES. IF USING THE WESTERN WASHINGTON HYDROLOGY MODEL (WHWM) TO PREDICT FLOWS, BARE SOIL AREAS SHOULD BE MODELED AS "LANDSCAPED" AREA.
- PLACE EXCAVATED MATERIAL ON THE UPHILL SIDE OF TRENCHES, CONSISTENT WITH SAFETY AND SPACE CONSIDERATIONS.
- PLACE CHECK DAMS AT REGULAR INTERVALS WITHIN CONSTRUCTED CHANNELS THAT ARE CUT DOWN A SLOPE.
- BMP C120: TEMPORARY AND PERMANENT SEEDING
- BMP C130: SURFACE ROUGHENING

ELEMENT 7: PROTECT DRAIN INLETS

- PROTECT ALL STORM DRAIN INLETS MADE OPERABLE DURING CONSTRUCTION SO THAT STORMWATER RUNOFF DOES NOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR TREATED TO REMOVE SEDIMENT.
- CLEAN OR REMOVE AND REPLACE INLET PROTECTION DEVICES WHEN SEDIMENT HAS FILLED ONE-THIRD OF THE AVAILABLE STORAGE (UNLESS A DIFFERENT STANDARD IS SPECIFIED BY THE PRODUCT MANUFACTURER).
- BMP C220: INLET PROTECTION

ELEMENT 8: STABILIZE CHANNELS AND OUTLETS

- DESIGN, CONSTRUCT, AND STABILIZE ALL ON-SITE CONVEYANCE CHANNELS TO PREVENT EROSION FROM THE FLOW RATE CALCULATED BY ONE OF THE FOLLOWING METHODS:
- SINGLE EVENT HYDROGRAPH METHOD: THE PEAK VOLUMETRIC FLOW RATE CALCULATED USING A 10-MINUTE TIME STEP FROM A TYPE 1A, 10-YEAR, 24-HOUR FREQUENCY STORM.
- CONTINUOUS SIMULATION METHOD: THE 10-YEAR PEAK FLOW RATE, AS DETERMINED BY AN APPROVED CONTINUOUS RUNOFF MODEL WITH A 15-MINUTE TIME STEP.
- THE HYDROLOGIC ANALYSIS MUST USE THE EXISTING LAND COVER CONDITION FOR PREDICTING FLOW RATES FROM TRIBUTARY AREAS OUTSIDE THE PROJECT LIMITS. FOR TRIBUTARY AREAS ON THE PROJECT SITE, THE ANALYSIS MUST

- USE THE TEMPORARY OR PERMANENT PROJECT LAND COVER CONDITION, WHICHEVER WILL PRODUCE THE HIGHEST FLOW RATES. IF USING THE WESTERN WASHINGTON HYDROLOGY MODEL (WHWM) TO PREDICT FLOWS, BARE SOIL AREAS SHOULD BE MODELED AS "LANDSCAPED" AREA.
- PROVIDE STABILIZATION, INCLUDING ARMORING MATERIAL, ADEQUATE TO PREVENT EROSION OF OUTLETS, ADJACENT STREAM BANKS, SLOPES AND DOWNSTREAM REACHES AT THE OUTLETS OF ALL CONVEYANCE SYSTEMS.
- BMP C209: OUTLET PROTECTION

ELEMENT 9: CONTROL POLLUTANTS

- DESIGN, INSTALL, IMPLEMENT AND MAINTAIN EFFECTIVE POLLUTION PREVENTION MEASURES TO MINIMIZE THE DISCHARGE OF POLLUTANTS. THE PROJECT PROPONENT MUST:
- HANDLE AND DISPOSE OF ALL POLLUTANTS, INCLUDING WASTE MATERIALS AND DEMOLITION DEBRIS THAT OCCUR ON SITE IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORMWATER.
- PROVIDE COVER, CONTAINMENT, AND PROTECTION FROM VANDALISM FOR ALL CHEMICALS, LIQUID PRODUCTS, PETROLEUM PRODUCTS, AND OTHER MATERIALS THAT HAVE THE POTENTIAL TO POSE A THREAT TO HUMAN HEALTH OR THE ENVIRONMENT. ON-SITE FUELING TANKS MUST INCLUDE SECONDARY CONTAINMENT. SECONDARY CONTAINMENT MEANS PLACING TANKS OR CONTAINERS WITHIN AN IMPERVIOUS STRUCTURE CAPABLE OF CONTAINING 110% OF THE VOLUME CONTAINED IN THE LARGEST TANK WITHIN THE CONTAINMENT STRUCTURE. DOUBLE-WALLED TANKS DO NOT REQUIRE ADDITIONAL SECONDARY CONTAINMENT.
- CONDUCT MAINTENANCE, FUELING, AND REPAIR OF HEAVY EQUIPMENT AND VEHICLES USING SPILL PREVENTION AND CONTROL MEASURES. CLEAN CONTAMINATED SURFACES IMMEDIATELY FOLLOWING ANY SPILL INCIDENT.
- DISCHARGE ALL SEDIMENT AFTER CONSTRUCTION IN ACCORDANCE WITH THE DESIGN BULLET THAT PREVENTS DISCHARGE TO SURFACE WATER, OR TO THE SANITARY SEWER, WITH LOCAL SEWER DISTRICT APPROVAL.
- APPLY FERTILIZERS AND PESTICIDES IN A MANNER AND AT APPLICATION RATES THAT WILL NOT RESULT IN LOSS OF CHEMICAL TO STORMWATER RUNOFF. FOLLOW MANUFACTURERS' LABEL REQUIREMENTS FOR APPLICATION RATES AND PROCEDURES.
- USE BMPS TO PREVENT CONTAMINATION OF STORMWATER RUNOFF BY PH MODIFYING SOURCES. THE SOURCES FOR THIS CONTAMINATION INCLUDE, BUT ARE NOT LIMITED TO: RECYCLED CONCRETE STOCKPILES, BULK CEMENT, CEMENT KILN DUST, FLY ASH, NEW CONCRETE WASHING AND CURING WATERS, WASTE STREAMS GENERATED FROM CONCRETE GRINDING AND SAWING, EXPOSED AGGREGATE PROCESSES, DEWATERING CONCRETE VAULTS, CONCRETE PUMPING AND MIXER WASHOUT WATERS.
- ADJUST THE PH OF STORMWATER IF NECESSARY TO PREVENT VIOLATIONS OF WATER QUALITY STANDARDS.
- ASSURE THAT WASHOUT OF CONCRETE TRUCKS IS PERFORMED OFF SITE OR IN DESIGNATED CONCRETE WASHOUT AREAS ONLY. DO NOT WASH OUT CONCRETE TRUCK DRUMS OR CONCRETE HANDLING EQUIPMENT ONTO THE GROUND, OR INTO STORM DRAINS, OPEN DITCHES, STREETS, OR STREAMS. WASHOUT OF SMALL CONCRETE HANDLING EQUIPMENT MAY BE DISPOSED OF IN A FORMED AREA AWAITING CONCRETE WHERE IT WILL NOT CONTAMINATE SURFACE OR GROUND WATER. DO NOT DUMP EXCESS CONCRETE ON SITE, EXCEPT IN DESIGNATED CONCRETE WASHOUT AREAS. CONCRETE SPILLAGE OR CONCRETE DISCHARGE TO SURFACE WATERS OF THE STATE IS PROHIBITED.
- OBTAIN WRITTEN APPROVAL FROM ECOLOGY BEFORE USING CHEMICAL TREATMENT OTHER THAN CO2 OR DRY ICE, OR FOOD GRADE VINEGAR TO ADJUST PH.
- BMP C151: CONCRETE HANDLING
- BMP C154: CONCRETE WASHOUT AREA

ELEMENT 10: CONTROL DE-WATERING

- DISCHARGE FOUNDATION, VAULT, AND TRENCH DE-WATERING WATER, WHICH HAVE SIMILAR CHARACTERISTICS TO STORMWATER RUNOFF, INTO A CONTROLLED CONVEYANCE SYSTEM BEFORE DISCHARGE TO BMP C240: SEDIMENT TRAP OR BMP C241: SEDIMENT POND (TEMPORARY).
- DISCHARGE CLEAN, NON-TURBID DE-WATERING WATER, SUCH AS WELL-POINT GROUND WATER, TO SYSTEMS TRIBUTARY TO, OR DIRECTLY INTO SURFACE WATERS OF THE STATE, AS SPECIFIED IN ELEMENT 8: STABILIZE CHANNELS AND OUTLETS. DEWATERING WATER DOES NOT CAUSE EROSION OR FLOODING OF RECEIVING WATERS. DO NOT ROUTE CLEAN DEWATERING WATER THROUGH STORMWATER SEDIMENT BMPS. NOTE THAT SURFACE WATERS OF THE STATE MAY EXIST ON A CONSTRUCTION SITE AS WELL AS OFF SITE; FOR EXAMPLE, A CREEK RUNNING THROUGH A SITE.
- HANDLE HIGHLY TURBID OR OTHERWISE CONTAMINATED DEWATERING WATER SEPARATELY FROM STORMWATER.
- OTHER DEWATERING TREATMENT OR DISPOSAL OPTIONS MAY INCLUDE:
- 1. INFILTRATION.
- 2. TRANSPORT OFF SITE IN A VEHICLE, SUCH AS A VACUUM FLUSH TRUCK, FOR LEGAL DISPOSAL IN A MANNER THAT DOES NOT POLLUTE STATE WATERS.
- 3. ECOLOGY-APPROVED ON-SITE CHEMICAL TREATMENT OR OTHER SUITABLE TREATMENT TECHNOLOGIES.
- 4. SANITARY OR COMBINED SEWER DISCHARGE WITH LOCAL SEWER DISTRICT APPROVAL, IF THERE IS NO OTHER OPTION.
- 5. USE OF A SEDIMENTATION BAG THAT DISCHARGES TO A DITCH OR SWALE FOR SMALL VOLUMES OF LOCALIZED DEWATERING.
- CONTRACTOR TO UTILIZE APPROPRIATE BMPS FROM THE 2019 SWMMWW IF DE-WATERING IS NEEDED

ELEMENT 11: MAINTAIN BMPS

- MAINTAIN AND REPAIR ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL BMPS AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION IN ACCORDANCE WITH BMP SPECIFICATIONS.
- REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL BMPS WITHIN 30 DAYS AFTER ACHIEVING FINAL SITE STABILIZATION OR AFTER THE TEMPORARY BMPS ARE NO LONGER NEEDED.
- BMP C160: CERTIFIED EROSION AND SEDIMENT CONTROL LEAD

ELEMENT 12: MANAGE THE PROJECT

- PHASE DEVELOPMENT PROJECTS TO THE MAXIMUM DEGREE PRACTICABLE AND TAKE INTO ACCOUNT SEASONAL WORK LIMITATIONS.
- INSPECT, MAINTAIN AND REPAIR ALL BMPS AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. PROJECTS REGULATED UNDER THE CONSTRUCTION STORMWATER GENERAL PERMIT (CSWGP) MUST CONDUCT SITE INSPECTIONS AND MONITORING IN ACCORDANCE WITH SPECIAL CONDITION 54 OF THE CSWGP.
- MAINTAIN, UPDATE, AND IMPLEMENT THE CONSTRUCTION SWPPP.
- PROJECTS THAT DISTURB ONE OR MORE ACRES MUST HAVE SITE INSPECTIONS CONDUCTED BY A CERTIFIED EROSION AND SEDIMENT CONTROL (CESCL), PROJECT SITE DISTURBING LESS THAN ONE ACRE MAY HAVE A CESCL OR A PERSON WITHOUT CESCL CERTIFICATION CONDUCT INSPECTIONS. BY THE INITIATION OF CONSTRUCTION, THE CONSTRUCTION SWPPP MUST IDENTIFY THE CESCL OR INSPECTOR, WHO MUST BE PRESENT ON SITE OR ON-CALL AT ALL TIMES.
- ADDITIONAL GUIDANCE FOR ELEMENT 12
- THE PROJECT MANAGER MUST ENSURE THAT THE PROJECT IS BUILT IN SUCH A WAY TO COMPLY WITH ALL CONSTRUCTION SWPPP ELEMENTS, AS DETAILED IN THIS SECTION. CONSIDERATIONS FOR THE PROJECT MANAGER INCLUDE, BUT ARE NOT LIMITED TO:
- CONSTRUCTION PHASING
- SEASONAL WORK LIMITATIONS
- COORDINATION WITH UTILITIES AND OTHER CONTRACTORS
- INSPECTION
- MONITORING
- MAINTAINING AN UPDATED CONSTRUCTION SWPPP
- PHASING OF CONSTRUCTION
- PHASE DEVELOPMENT PROJECTS WHERE FEASIBLE IN ORDER TO PREVENT SOIL EROSION AND TRANSPORTING OF SEDIMENT FROM THE SITE DURING CONSTRUCTION. REVEGETATE EXPOSED AREAS AND MAINTAIN THAT VEGETATION AS AN INTEGRAL PART OF THE CLEARING ACTIVITIES FOR ANY PHASE.
- CLEARING AND GRADING ACTIVITIES FOR DEVELOPMENTS SHALL BE PERMITTED ONLY IF CONDUCTED USING AN APPROVED SITE DEVELOPMENT PLAN (E.G., SUBDIVISION APPROVAL) THAT ESTABLISHES PERMITTED AREAS OF CLEARING, GRADING, CUTTING, AND FILLING. MINIMIZE REMOVING TREES AND DISTURBING OR COMPACTING NATIVE SOILS WHEN ESTABLISHING PERMITTED CLEARING AND GRADING AREAS. SHOW ON THE SITE PLANS AND THE DEVELOPMENT SITE PERMITTED CLEARING AND GRADING AREAS AND ANY OTHER AREAS REQUIRED TO PRESERVE CRITICAL OR SENSITIVE AREAS, BUFFERS, NATIVE GROWTH PROTECTION EASEMENTS, OR TREE RETENTION AREAS AS MAY BE REQUIRED BY LOCAL JURISDICTIONS.
- INSPECTION
- ALL BMPS MUST BE INSPECTED, MAINTAINED, AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. SITE INSPECTIONS MUST BE CONDUCTED BY A PERSON KNOWLEDGEABLE IN THE PRINCIPLES AND PRACTICES OF EROSION AND SEDIMENT CONTROL. THE PERSON MUST HAVE THE SKILLS TO 1) ASSESS THE SITE CONDITIONS AND CONSTRUCTION ACTIVITIES THAT COULD IMPACT THE QUALITY OF STORMWATER, AND 2) ASSESS THE EFFECTIVENESS OF EROSION AND SEDIMENT CONTROL MEASURES USED TO CONTROL THE QUALITY OF STORMWATER DISCHARGES.
- FOR CONSTRUCTION SITES ONE ACRE OR LARGER THAT DISCHARGE STORMWATER TO SURFACE WATERS OF THE STATE, A CESCL MUST BE IDENTIFIED IN THE CONSTRUCTION SWPPP; THIS PERSON MUST BE ON-SITE OR ON-CALL AT ALL TIMES. CERTIFICATION MUST BE OBTAINED THROUGH AN APPROVED TRAINING PROGRAM THAT MEETS THE EROSION AND SEDIMENT CONTROL TRAINING STANDARDS ESTABLISHED BY ECOLOGY. SEE BMP C160: CERTIFIED EROSION AND SEDIMENT CONTROL LEAD.
- APPROPRIATE BMPS OR DESIGN CHANGES SHALL BE IMPLEMENTED AS SOON AS POSSIBLE WHENEVER INSPECTION AND/OR MONITORING REVEALS THAT THE BMPS IDENTIFIED IN THE CONSTRUCTION SWPPP ARE INADEQUATE, DUE TO THE ACTUAL DISCHARGE OF/OR POTENTIAL TO DISCHARGE A SIGNIFICANT AMOUNT OF ANY POLLUTANT.
- THE CESCL OR INSPECTOR MUST EXAMINE STORMWATER VISUALLY FOR THE PRESENCE OF SUSPENDED SEDIMENT, TURBIDITY, DISCOLORATION, AND OIL SHEEN. THEY MUST EVALUATE THE EFFECTIVENESS OF BMPS AND DETERMINE IF IT IS NECESSARY TO INSTALL, MAINTAIN, OR REPAIR BMPS TO IMPROVE THE QUALITY OF STORMWATER DISCHARGES.
- BASED ON THE RESULTS OF THE INSPECTION, CONSTRUCTION SITE OPERATORS MUST CORRECT THE PROBLEMS

- IDENTIFIED BY:
- REVIEWING THE CONSTRUCTION SWPPP FOR COMPLIANCE WITH THE 13 ELEMENTS AND MAKING APPROPRIATE REVISIONS WITHIN 7 DAYS OF THE INSPECTION.
- IMMEDIATELY BEGINNING THE PROCESS OF FULLY IMPLEMENTING AND MAINTAINING APPROPRIATE SOURCE CONTROL AND/OR TREATMENT BMPS AS SOON AS POSSIBLE, ADDRESSING THE PROBLEMS NO LATER THAN WITHIN 10 DAYS OF THE INSPECTION. IF INSTALLATION OF NECESSARY TREATMENT BMPS IS NOT FEASIBLE WITHIN 10 DAYS, THE CONSTRUCTION SITE OPERATOR MAY REQUEST AN EXTENSION WITHIN THE INITIAL 10-DAY RESPONSE PERIOD.
- DOCUMENTING BMP IMPLEMENTATION AND MAINTENANCE IN THE SITE LOG BOOK (APPLIES ONLY TO SITES THAT HAVE COVERAGE UNDER THE CONSTRUCTION STORMWATER GENERAL PERMIT).
- THE CESCL OR INSPECTOR MUST INSPECT ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES, ALL BMPS, AND ALL STORMWATER DISCHARGE POINTS AT LEAST ONCE EVERY CALENDAR WEEK AND WITHIN 24 HOURS OF ANY DISCHARGE FROM THE SITE. (FOR PURPOSES OF THIS CONDITION, INDIVIDUAL DISCHARGE EVENTS THAT LAST MORE THAN ONE DAY DO NOT REQUIRE DAILY INSPECTIONS. FOR EXAMPLE, IF A STORMWATER POND DISCHARGES CONTINUOUSLY OVER THE COURSE OF A WEEK, ONLY ONE INSPECTION IS REQUIRED THAT WEEK.) THE CESCL OR INSPECTOR MAY REDUCE THE INSPECTION FREQUENCY FOR TEMPORARY STABILIZED, INACTIVE SITES TO ONCE EVERY CALENDAR MONTH
- MAINTAINING AN UPDATED CONSTRUCTION SWPPP
- RETAIN THE CONSTRUCTION SWPPP ON-SITE OR WITHIN REASONABLE ACCESS TO THE SITE.
- MODIFY THE CONSTRUCTION SWPPP WHENEVER THERE IS A CHANGE IN THE DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE AT THE CONSTRUCTION SITE THAT HAS, OR COULD HAVE, A SIGNIFICANT EFFECT ON THE DISCHARGE OF POLLUTANTS TO WATERS OF THE STATE.
- THE CONSTRUCTION SWPPP MUST BE MODIFIED IF, DURING INSPECTIONS OR INVESTIGATIONS CONDUCTED BY THE OWNER/OPERATOR, OR THE APPLICABLE LOCAL OR STATE REGULATORY AUTHORITY, IT IS DETERMINED THAT THE CONSTRUCTION SWPPP IS INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANTS IN STORMWATER DISCHARGES FROM THE SITE. MODIFY THE CONSTRUCTION SWPPP AS NECESSARY TO INCLUDE ADDITIONAL OR MODIFIED BMPS DESIGNED TO CORRECT PROBLEMS IDENTIFIED. COMPLETE REVISIONS TO THE CONSTRUCTION SWPPP WITHIN SEVEN (7) DAYS FOLLOWING THE INSPECTION.
- BMP C160: CERTIFIED EROSION AND SEDIMENT CONTROL LEAD

ELEMENT 13: PROTECT LOW IMPACT DEVELOPMENT BMPS

- THE PRIMARY PURPOSE OF ON-SITE STORMWATER MANAGEMENT IS TO REDUCE THE DISRUPTION OF THE NATURAL SITE HYDROLOGY THROUGH INFILTRATION. BMPS USED TO MEET 1-3.4.5 MR5: ON-SITE STORMWATER MANAGEMENT (OFTEN CALLED LID BMPS) ARE PERMANENT FACILITIES.
- PROTECT ALL LID BMPS (INCLUDING, BUT NOT LIMITED TO BMP T7.30: BIORETENTION, BMP T5.14: RAIN GARDENS, AND BMP T5.15: PERMEABLE PAVEMENTS) FROM SEDIMENTATION THROUGH INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL BMPS ON PORTIONS OF THE SITE THAT DRAIN INTO THE LID BMPS. RESTORE THE BMPS TO THEIR FULLY FUNCTIONING CONDITION IF THEY ACCUMULATE SEDIMENT DURING CONSTRUCTION. RESTORING THE BMP MUST INCLUDE REMOVAL OF SEDIMENT AND ANY SEDIMENT-LADEN BIORETENTION/RAIN GARDEN SOILS, AND REPLACING THE REMOVED SOILS WITH SOILS MEETING THE DESIGN SPECIFICATION.
- MAINTAIN THE INFILTRATION CAPABILITIES OF LID BMPS BY PROTECTING AGAINST COMPACTION BY CONSTRUCTION EQUIPMENT AND FOOT TRAFFIC. PROTECT COMPLETED LAWN AND LANDSCAPED AREAS FROM COMPACTION DUE TO CONSTRUCTION EQUIPMENT.
- CONTROL EROSION AND AVOID INTRODUCING SEDIMENT FROM SURROUNDING LAND USES ONTO BMP T5.15: PERMEABLE PAVEMENTS. DO NOT ALLOW MUDDY CONSTRUCTION EQUIPMENT ON THE BASE MATERIAL OR PAVEMENT. DO NOT ALLOW SEDIMENT-LADEN RUNOFF ONTO PERMEABLE PAVEMENTS OR BASE MATERIALS.
- PERMEABLE PAVEMENT FOULED WITH SEDIMENTS OR NO LONGER PASSING AN INITIAL INFILTRATION TEST MUST BE CLEANED USING PROCEDURES IN ACCORDANCE WITH THIS MANUAL OR THE MANUFACTURER'S PROCEDURES.
- KEEP ALL HEAVY EQUIPMENT OFF EXISTING SOILS UNDER LID BMPS THAT HAVE BEEN EXCAVATED TO FINAL GRADE TO RETAIN THE INFILTRATION RATE OF THE SOILS.
- ADDITIONAL GUIDANCE FOR ELEMENT 13
- SEE CHAPTER 5: PRECISION SITE PREPARATION, CONSTRUCTION & INSPECTION OF LID FACILITIES IN THE LID TECHNICAL GUIDANCE MANUAL FOR PUGET SOUND (HINMAN AND WULKAN, 2012) FOR MORE DETAIL ON PROTECTING LID INTEGRATED MANAGEMENT PRACTICES.
- NOTE THAT THE LID TECHNICAL GUIDANCE MANUAL FOR PUGET SOUND (HINMAN AND WULKAN, 2012) IS FOR ADDITIONAL INFORMATIONAL PURPOSES ONLY. YOU MUST FOLLOW THE GUIDANCE WITHIN THIS MANUAL IF THERE ARE ANY DISCREPANCIES BETWEEN THIS MANUAL AND THE LID TECHNICAL GUIDANCE MANUAL FOR PUGET SOUND (HINMAN AND WULKAN, 2012).
- BMP C102: BUFFER ZONES
- BMP C103: HIGH-VISIBILITY FENCE
- BMP C200: INTERCEPTOR DIKE AND SWALE
- BMP C201: GRASS-LINED CHANNELS
- BMP C207: CHECK DAMS
- BMP C208: TRIANGULAR SILT DIKE (TSD)
- BMP C231: BRUSH BARRIER
- BMP C233: SILT FENCE
- BMP C234: VEGETATED STRIP

CONSTRUCTION SET

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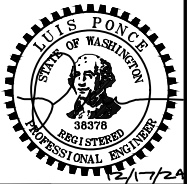
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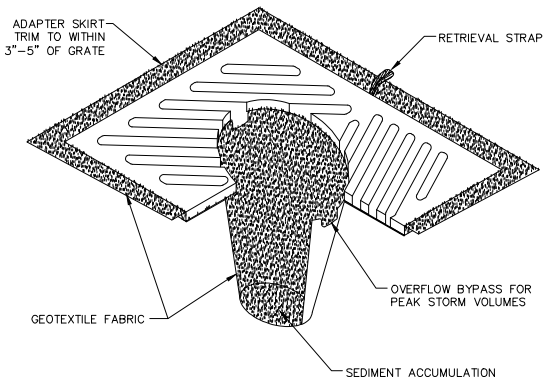
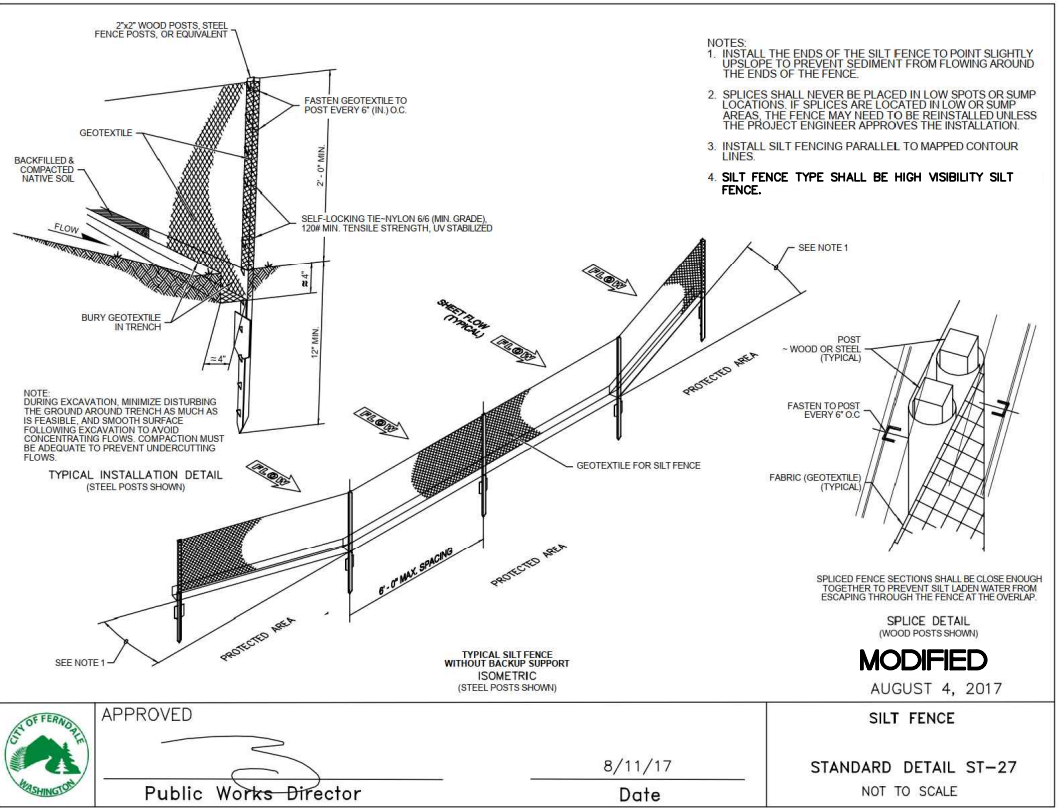
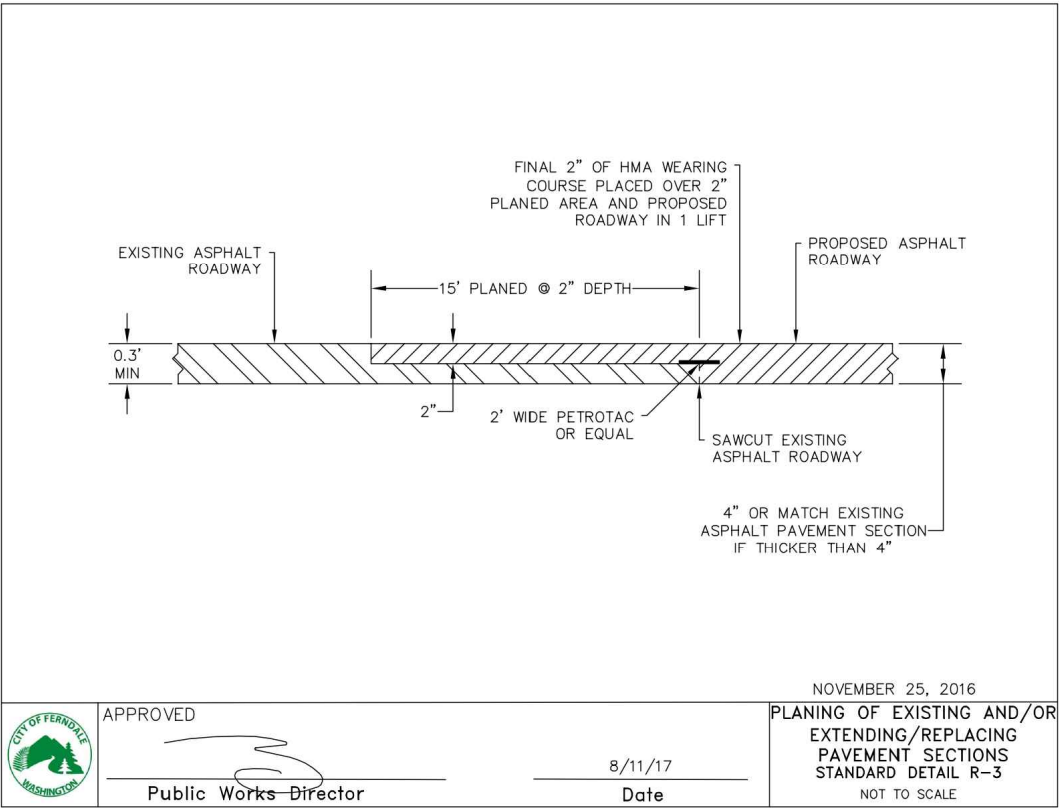
CITY OF FERNDALE  
2095 MAIN ST  
FERNDALE, WA 98248

FERNDALE TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
TESC AND DEMO DETAILS

|      |               |       |               |
|------|---------------|-------|---------------|
| DWG  | 18023 DETAILS | DATE  | 12/17/24      |
| JOB# | 18023         | SCALE | H: N/A V: N/A |
|      |               | SHEET | 12 of 85      |



2/1-7/24



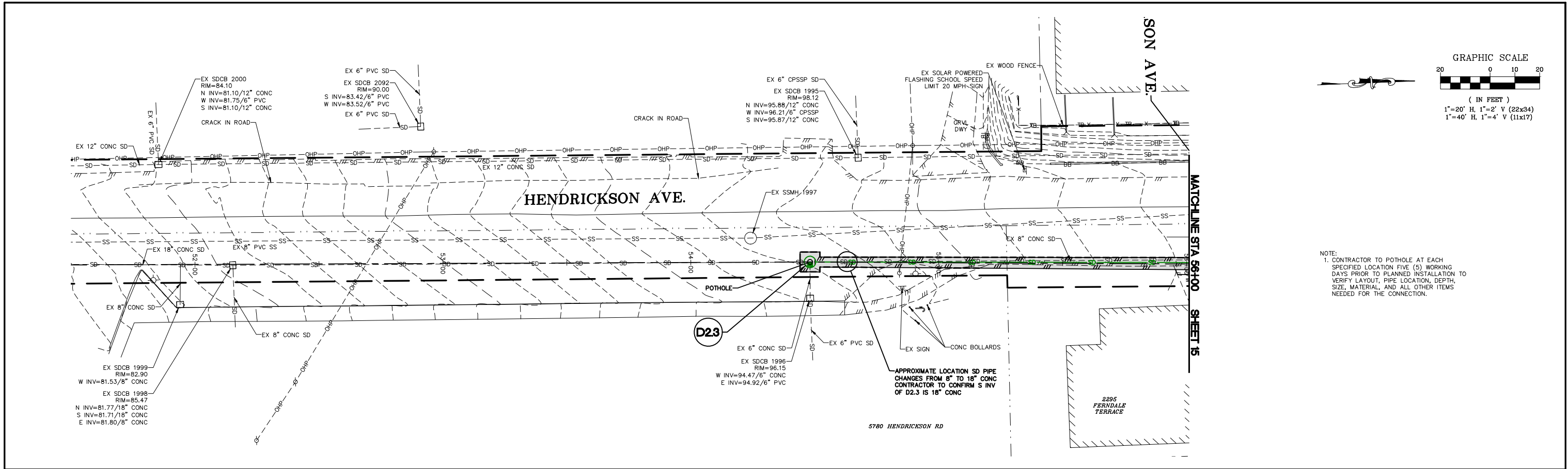
- NOTES:
1. INSERT SHALL BE INSTALLED PRIOR TO CLEARING & GRADING ACTIVITY, OR UPON PLACEMENT OF A NEW CATCH BASIN.
  2. SEDIMENT SHALL BE REMOVED FROM THE UNIT WHEN IT BECOMES HALF FULL.
  3. SEDIMENT REMOVAL SHALL BE ACCOMPLISHED BY REMOVING THE INSERT, EMPTYING, & RE-INSERTING IT INTO THE CATCH BASIN.

### INLET PROTECTION - CB INSERT

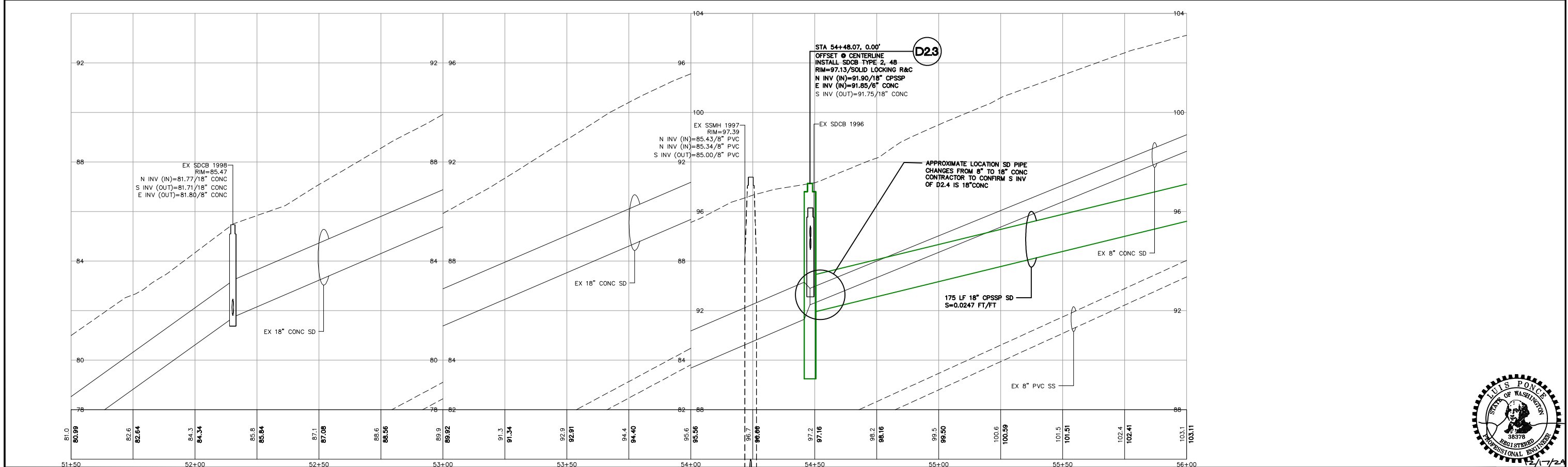
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| CONSTRUCTION SET | DESIGNED BY<br>GS/LMH | <b>R&amp;E</b> Reichhardt & Ebe<br>ENGINEERING INC<br>P.O. Box 978   423 Front Street<br>Lynden, WA 98264 (360) 354-3687 | NO. | DATE | DESCRIPTION | BY | CITY OF FERNDAL<br>2095 MAIN ST<br>FERNDAL, WA 98248 | FERNDAL TERRACE PROJECT<br>VISTA DRIVE TO HENDRICKSON AVENUE<br>TESC AND DEMO DETAILS | DWG 18023 DETAILS |                        | DATE<br>12/17/24  |
|                  | DRAWN BY<br>GS/LMH    |                                                                                                                          |     |      |             |    |                                                      |                                                                                       | JOB#<br>18023     | SCALE<br>H: N/A V: N/A | SHEET<br>13 of 85 |



NOTE:  
1. CONTRACTOR TO POTHOLE AT EACH  
SPECIFIED LOCATION FIVE (5) WORKING  
DAYS PRIOR TO PLANNED INSTALLATION  
TO VERIFY LAYOUT, PIPE LOCATION, DEPTH,  
SIZE, MATERIAL, AND ALL OTHER ITEMS  
NEEDED FOR THE CONNECTION.



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CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

FERNDAL TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
STORM PLAN - HENDRICKSON

DWG 18023 PLANS

JOB# 18023

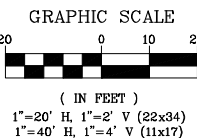
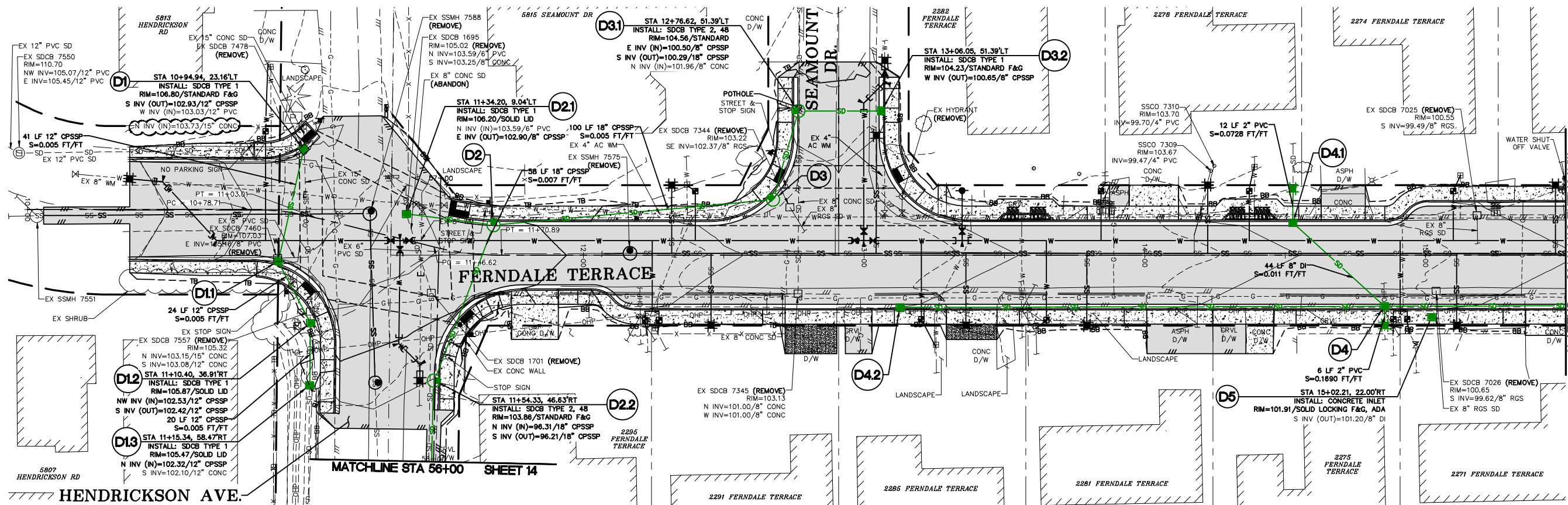
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12/17/24

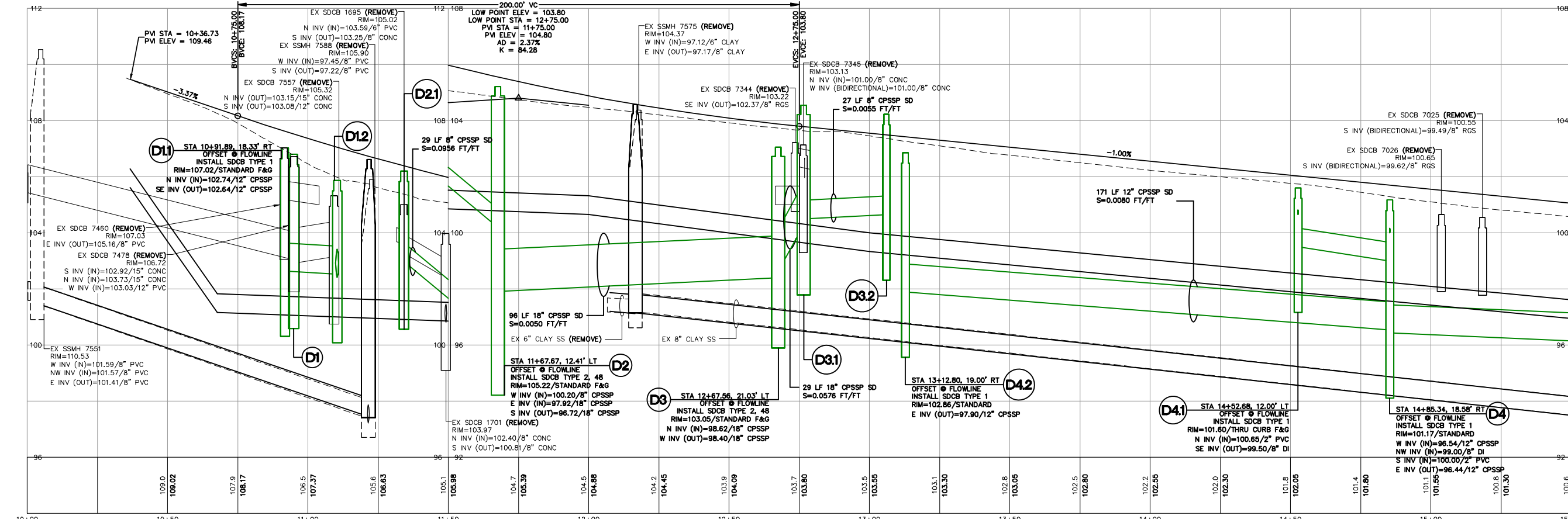
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NOTE:  
1. CONTRACTOR TO POTHOLE AT EACH SPECIFIED LOCATION FIVE (5) WORKING DAYS PRIOR TO PLANNED INSTALLATION TO VERIFY LAYOUT, PIPE LOCATION, DEPTH, SIZE, MATERIAL, AND ALL OTHER ITEMS NEEDED FOR THE CONNECTION.



# CONSTRUCTION SET

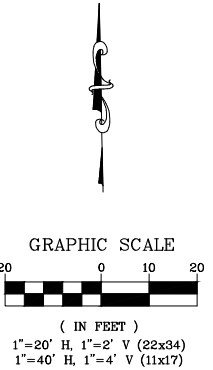
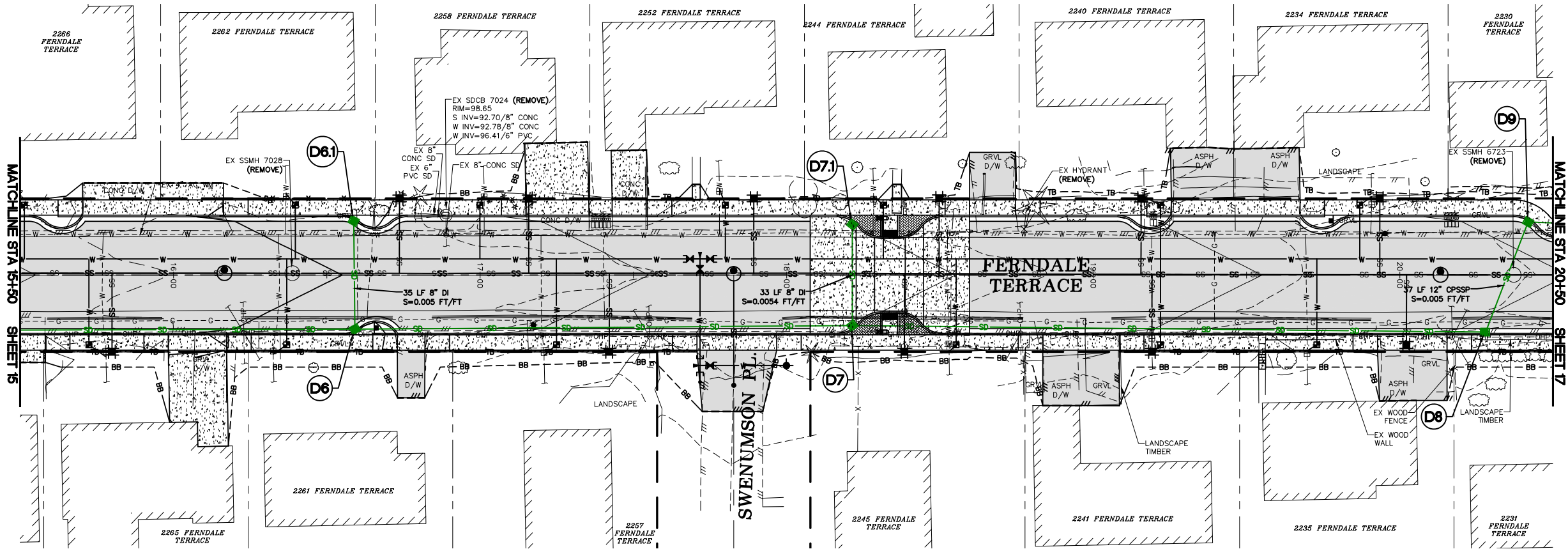
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| 1   | 1/17/25 | ADDENDUM 1  | GS |

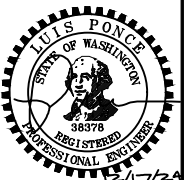
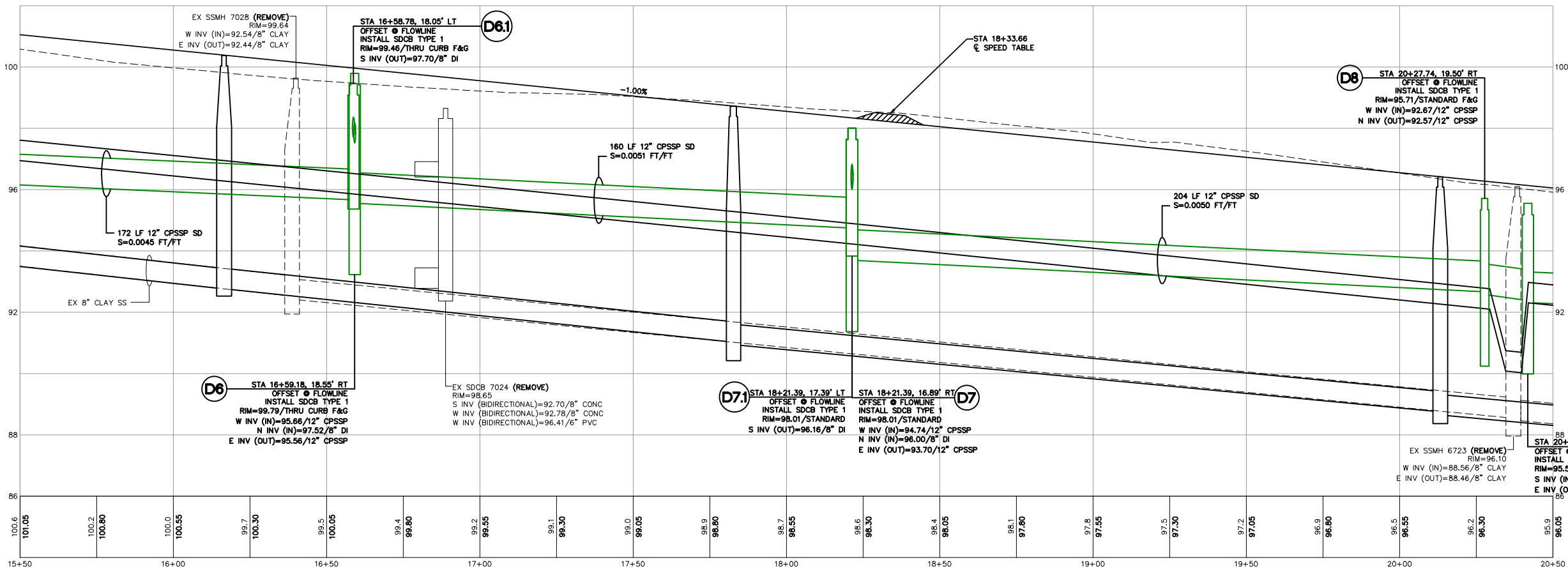
CITY OF FERDALE  
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FERDALE, WA 98248

FERDALE TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
STORM PLAN - STA 10+00 TO 15+50

|                              |                |
|------------------------------|----------------|
| DWG 18023 PLANS              | DATE 1/17/25   |
| JOB# 18023                   | SHEET 15 of 85 |
| SCALE H: 1" = 20' V: 1" = 2' |                |



NOTE:  
1. CONTRACTOR TO POTHOLE AT EACH SPECIFIED LOCATION FIVE (5) WORKING DAYS PRIOR TO PLANNED INSTALLATION TO VERIFY LAYOUT, PIPE LOCATION, DEPTH, SIZE, MATERIAL, AND ALL OTHER ITEMS NEEDED FOR THE CONNECTION.



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CITY OF FERDALE  
2095 MAIN ST  
FERDALE, WA 98248

FERDALE TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
STORM PLAN - STA 15+50 TO 20+50

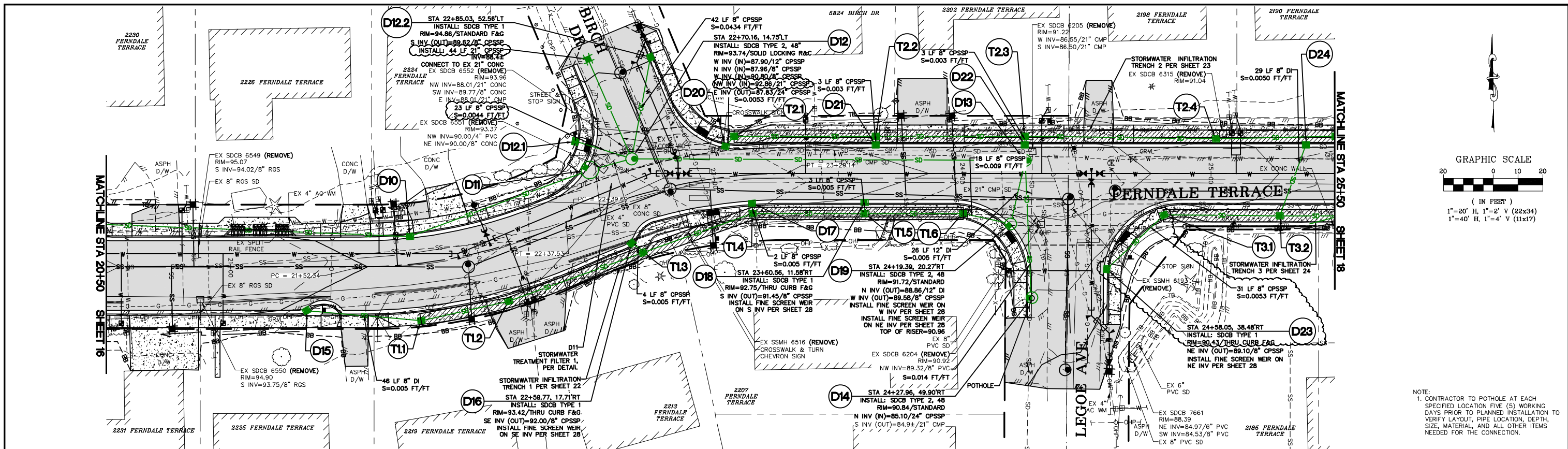
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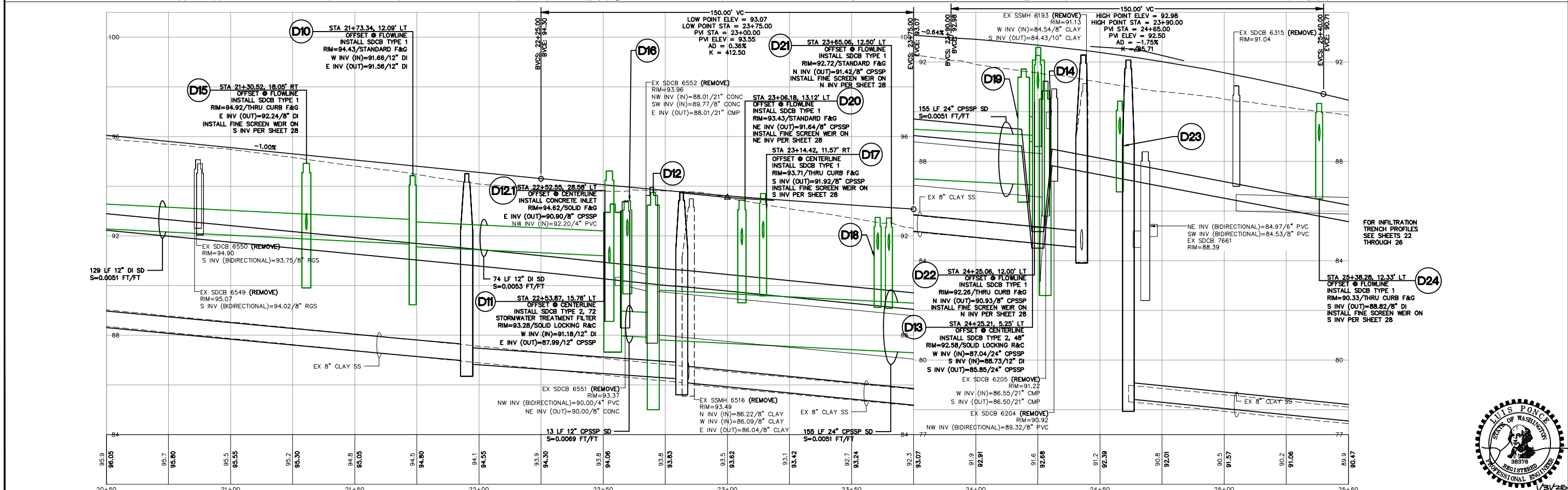
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16  
of 85

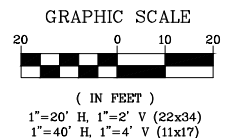
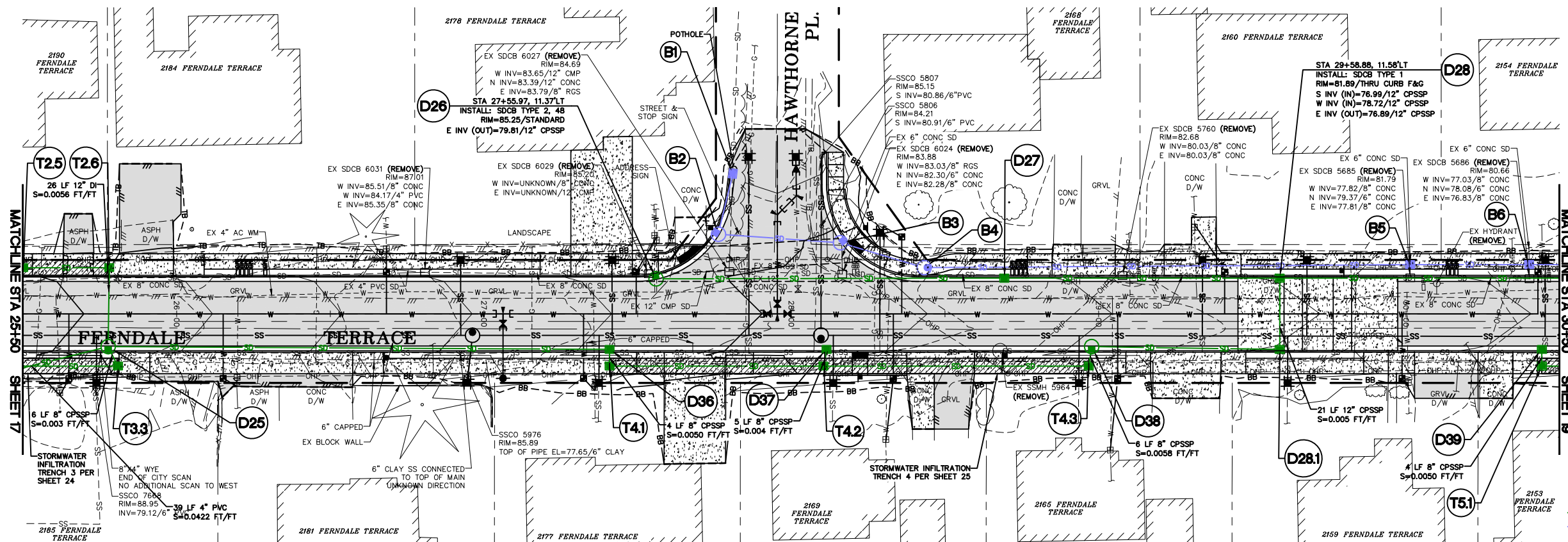




NOTE:  
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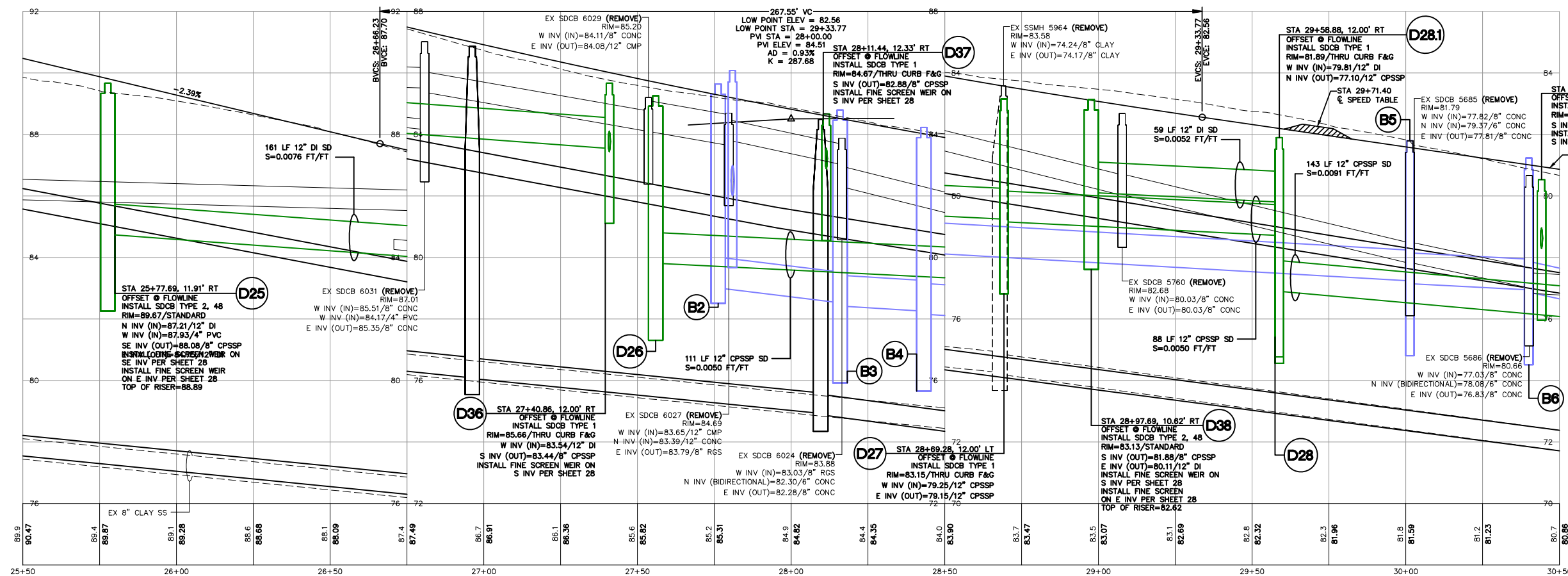
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|-------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------|-----|---------|-------------|----|------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------|---------------------------------|-------------------|
| <b>CONSTRUCTION SET</b> | DESIGNED BY<br>GS/LMH | <b>R&amp;E Reichhardt &amp; Ebe ENGINEERING INC</b><br>P.O. Box 978   423 Front Street<br>Lynden, WA 98264 (360) 354-3687 | 3   | 1/31/25 | ADDENDUM 3  | LP | CITY OF FERDALE<br>2095 MAIN ST<br>FERDALE, WA 98248 | FERDALE TERRACE PROJECT<br>HENDRICKSON AVENUE TO VISTA DRIVE<br>STORM PLAN - STA 20+50 TO 25+50 | DWG 18023 PLANS |                                 | DATE<br>1/31/25   |
|                         | DRAWN BY<br>GS/LMH    |                                                                                                                           | 1   | 1/17/25 | ADDENDUM 1  | GS |                                                      |                                                                                                 | JOB#<br>18023   | SCALE<br>H: 1" = 20' V: 1" = 2' | SHEET<br>17 of 85 |
|                         | CHECKED BY<br>LP      |                                                                                                                           | NO. | DATE    | DESCRIPTION | BY |                                                      |                                                                                                 |                 |                                 |                   |
|                         |                       |                                                                                                                           |     |         |             |    |                                                      |                                                                                                 |                 |                                 |                   |



NOTE:  
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LEGEND

- SD = STORM DRAIN MAIN LINE
- SD = STORM DRAIN BYPASS LINE



FOR INFILTRATION TRENCH PROFILES SEE SHEETS 22 THROUGH 26



CONSTRUCTION SET

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DRAWN BY GS/LMH  
CHECKED BY LP  
**R&E** Reichhardt & Ebe  
ENGINEERING INC  
P.O. Box 978 | 423 Front Street  
Lynden, WA 98264 (360) 354-3687

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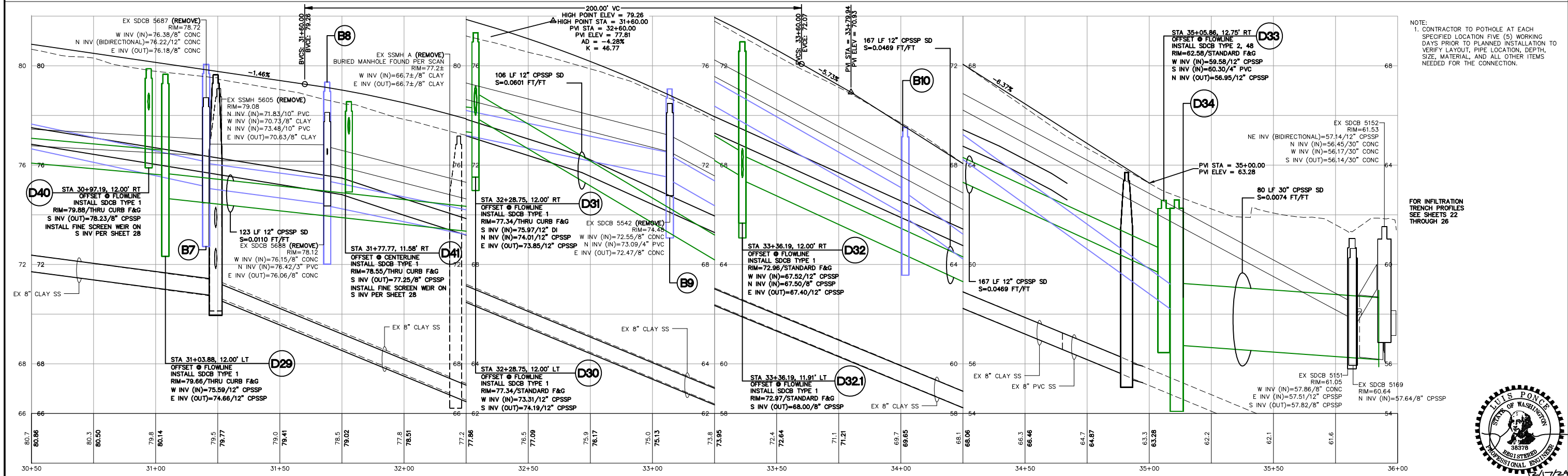
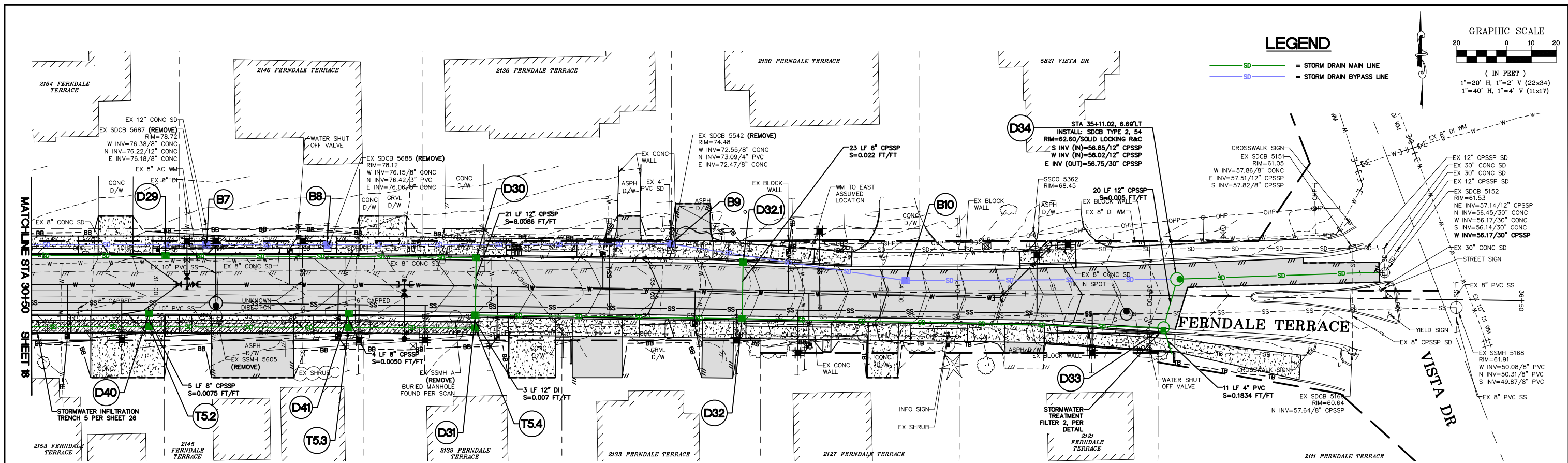
CITY OF FERDALE  
2095 MAIN ST  
FERDALE, WA 98248

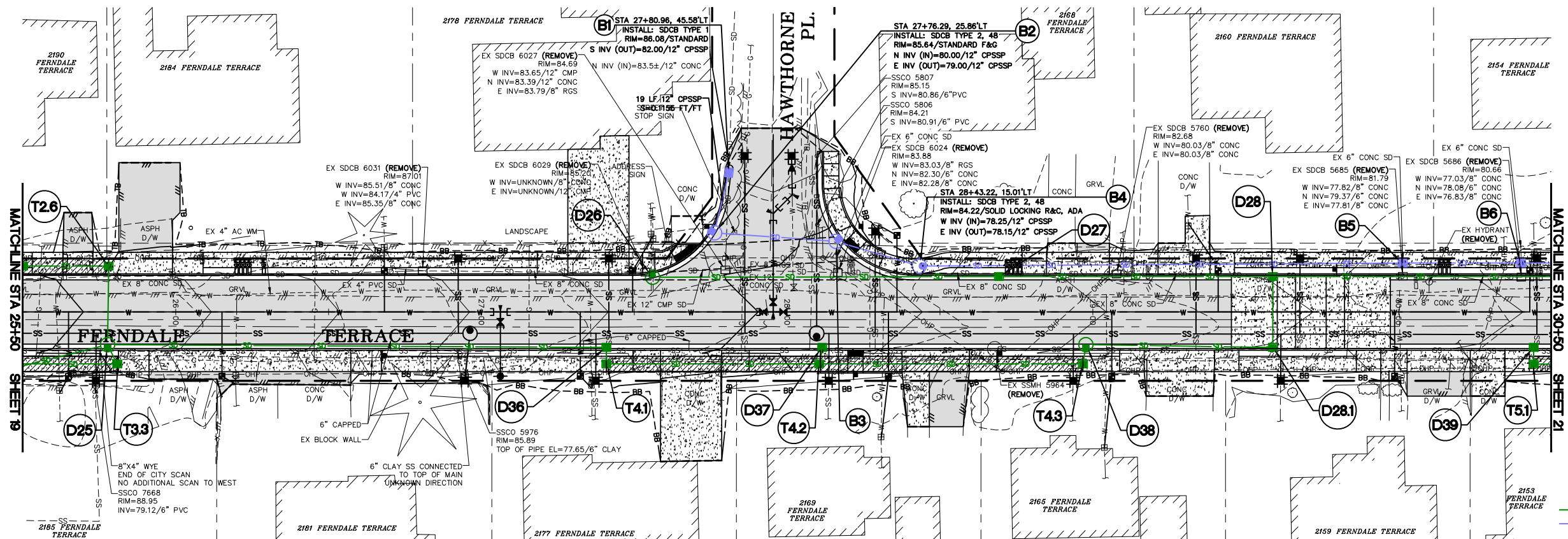
FERDALE TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
STORM PLAN - STA 25+50 TO 30+50

DWG 18023 PLANS  
JOB# 18023  
SCALE H: 1" = 20' V: 1" = 2'

DATE 12/17/24  
SHEET 18 of 85



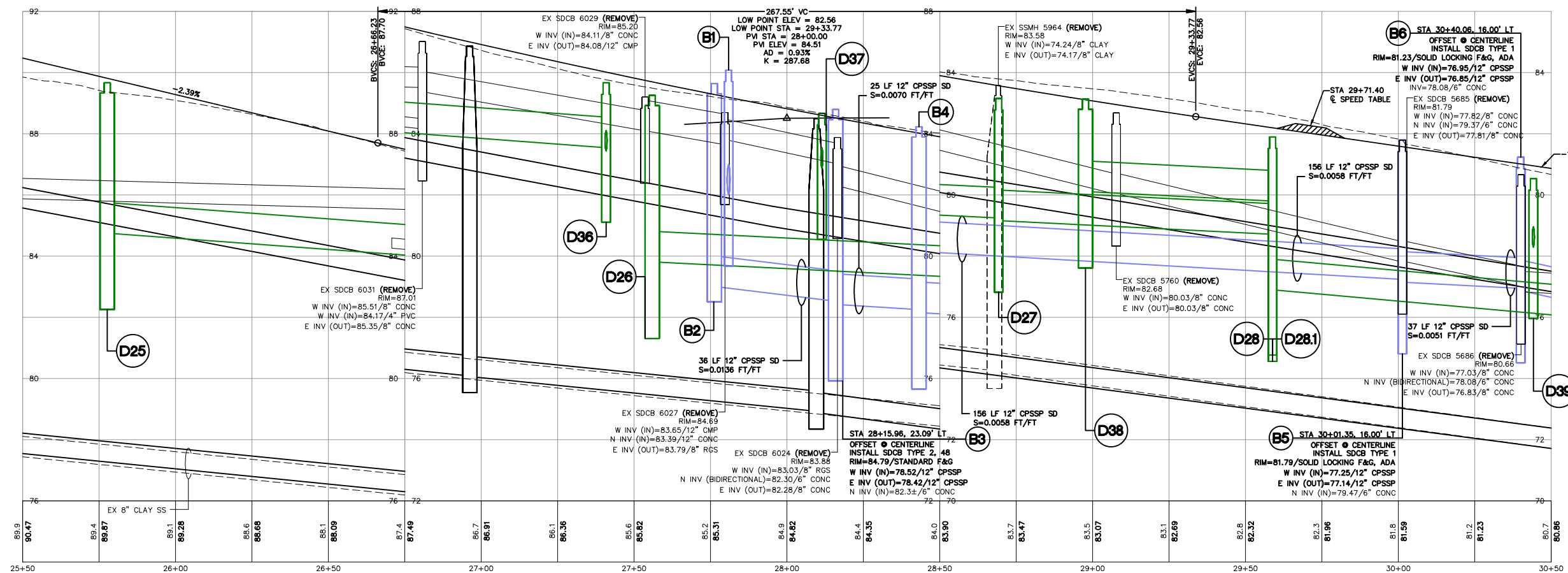




NOTE:  
1. CONTRACTOR TO POTHOLE AT EACH SPECIFIED LOCATION FIVE (5) WORKING DAYS PRIOR TO PLANNED INSTALLATION TO VERIFY LAYOUT, PIPE LOCATION, DEPTH, SIZE, MATERIAL, AND ALL OTHER ITEMS NEEDED FOR THE CONNECTION.

### LEGEND

- SD = STORM DRAIN MAIN LINE
- SD = STORM DRAIN BYPASS LINE



## CONSTRUCTION SET

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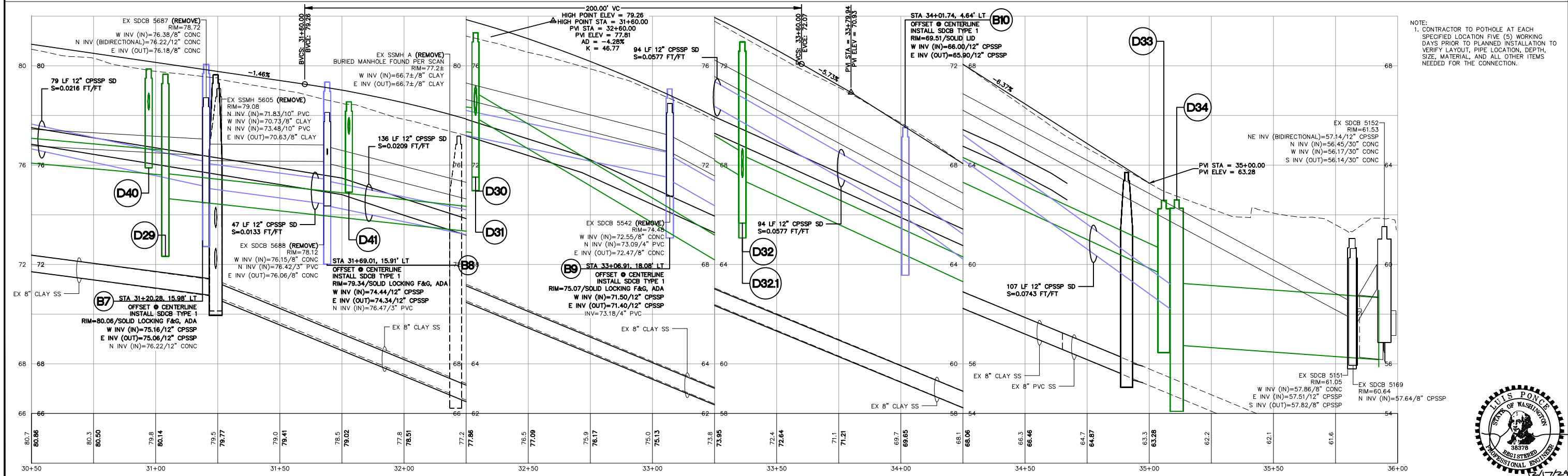
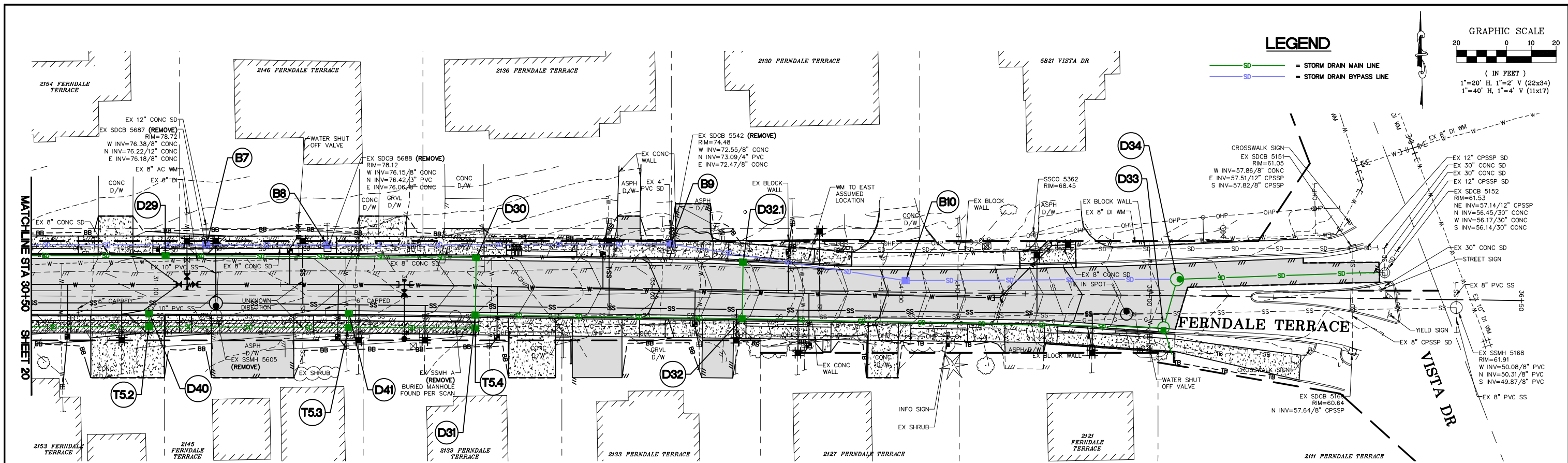
CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

FERNDAL TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
STORM BYPASS - STA 25+50 TO 30+50

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| DWG 18023 PLANS | DATE 12/17/24                |
| JOB# 18023      | SCALE H: 1" = 20' V: 1" = 2' |
| SHEET 20 of 85  |                              |







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Reichhardt & Ebe

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CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

FERNDAL TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
STORM BYPASS - STA 30+50 TO 36+50

DWG 18023 PLANS

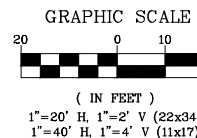
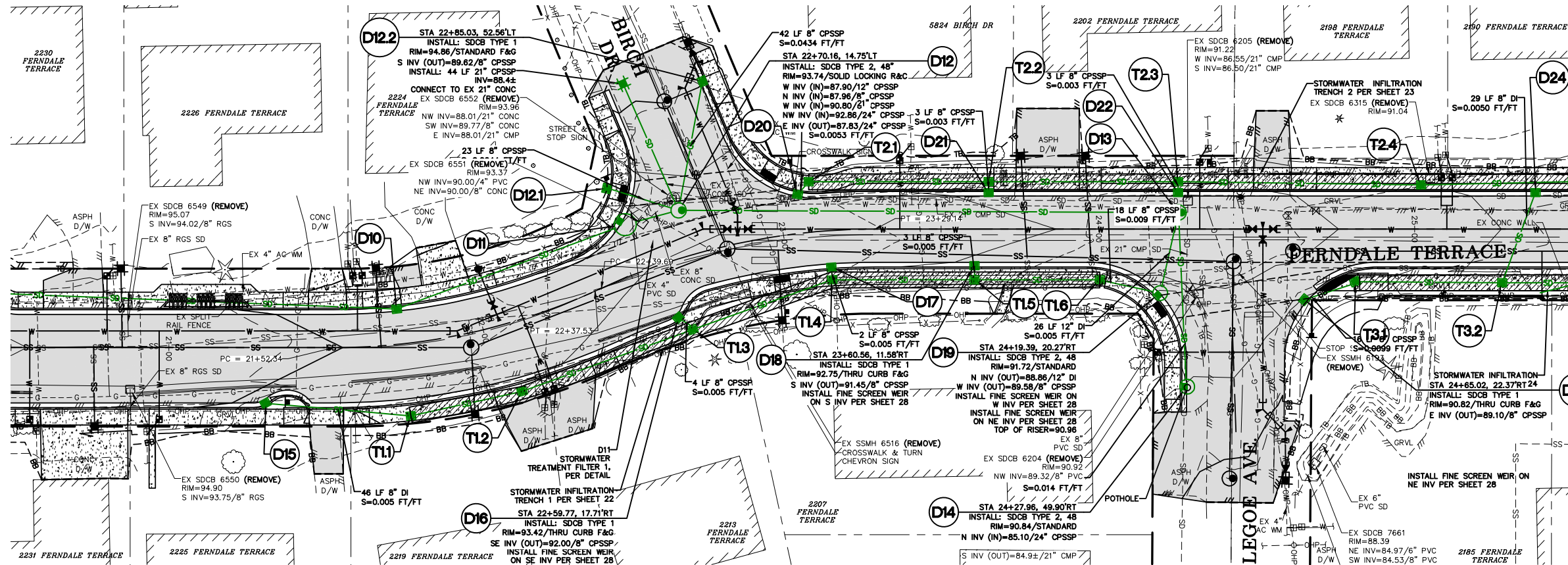
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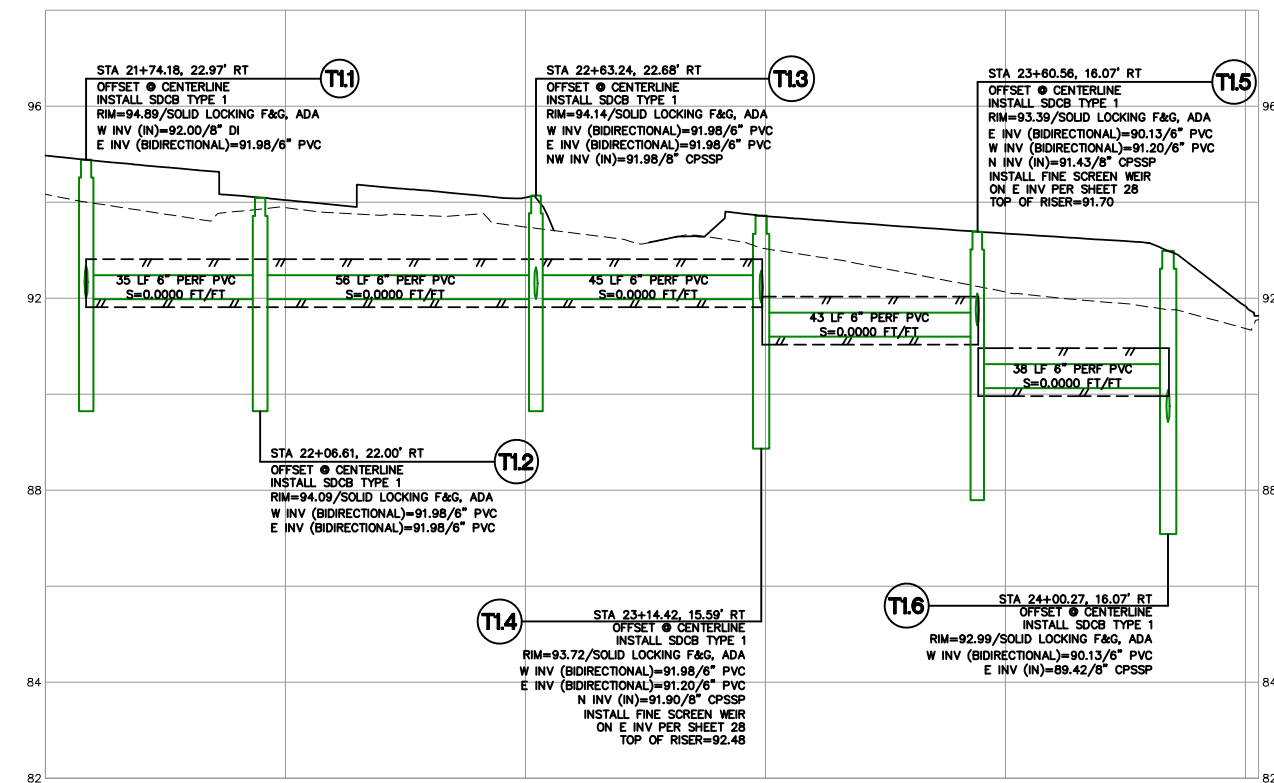
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21  
of 85

P:\Projects\18023\18023.dwg, 21 STORM BYPASS - STA 30+50 TO 36+50, 12/17/2024 08:36:05, AutoCAD PDF (General Documentation).pc3



NOTE:  
1. CONTRACTOR TO POTHOLE AT EACH SPECIFIED LOCATION FIVE (5) WORKING DAYS PRIOR TO PLANNED INSTALLATION TO VERIFY LAYOUT, PIPE LOCATION, DEPTH, SIZE, MATERIAL, AND ALL OTHER ITEMS NEEDED FOR THE CONNECTION.



FOR INFILTRATION TRENCH DETAILS SEE SHEET 28



# CONSTRUCTION SET

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CITY OF FERDALE  
2095 MAIN ST  
FERDALE, WA 98248

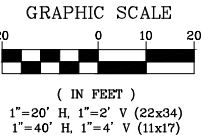
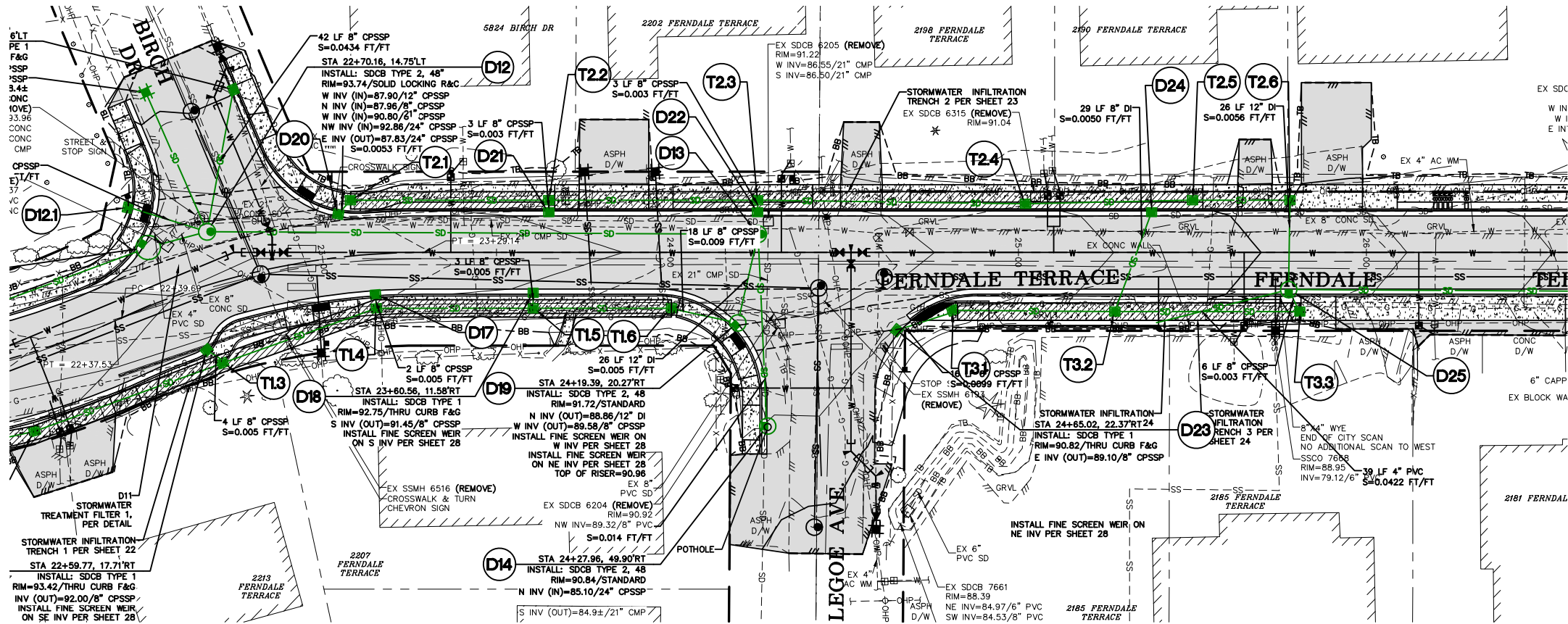
FERDALE TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
TRENCH 1 PROFILE

DWG 18023 PLANS  
JOB# 18023

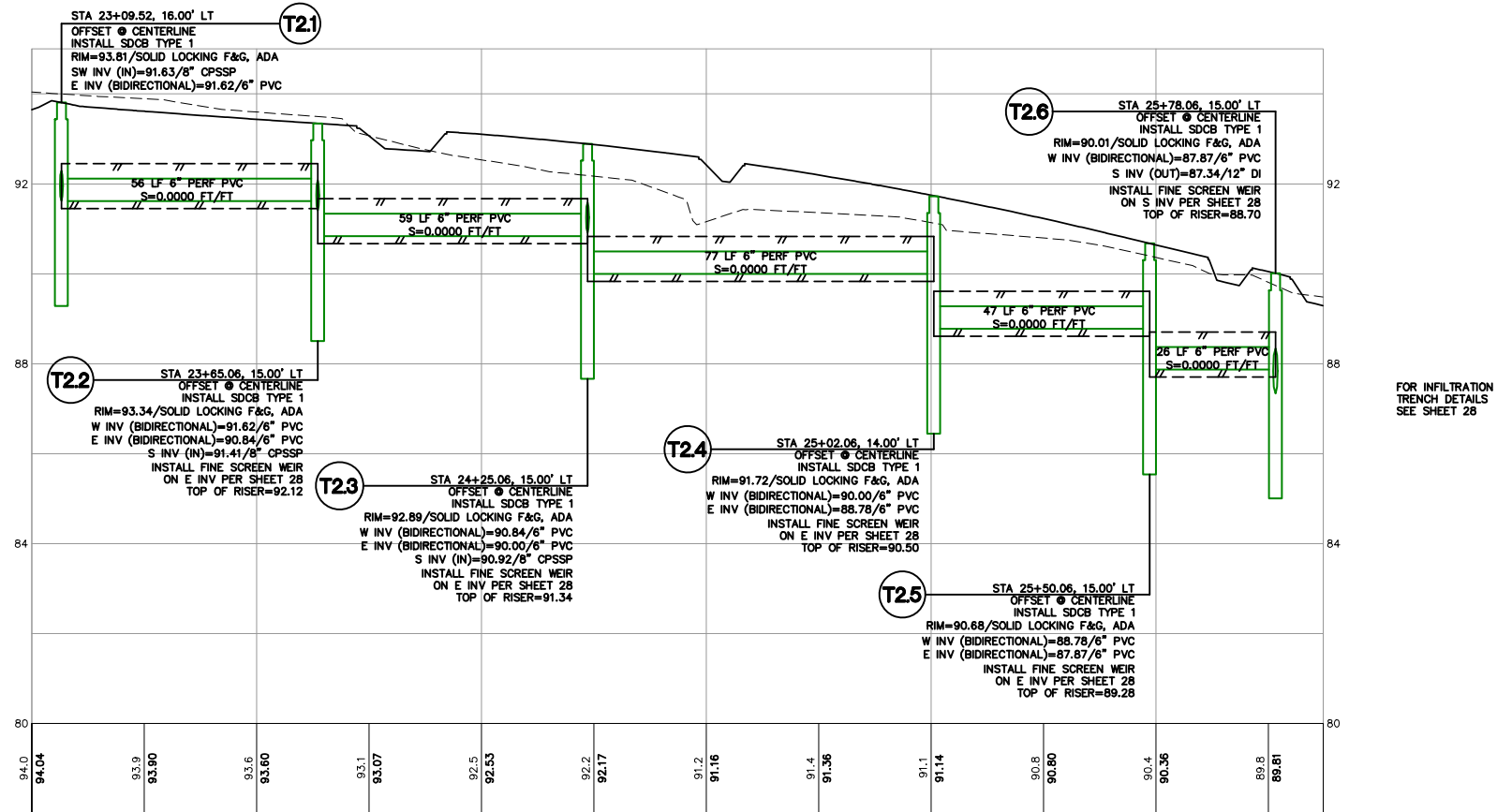
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SHEET  
22 of 85

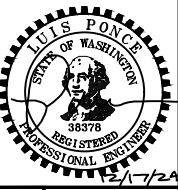




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FOR INFILTRATION TRENCH DETAILS SEE SHEET 28



# CONSTRUCTION SET

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CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

FERNDAL TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
TRENCH 2 PROFILE

DWG 18023 PLANS

JOB# 18023

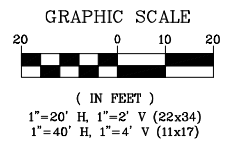
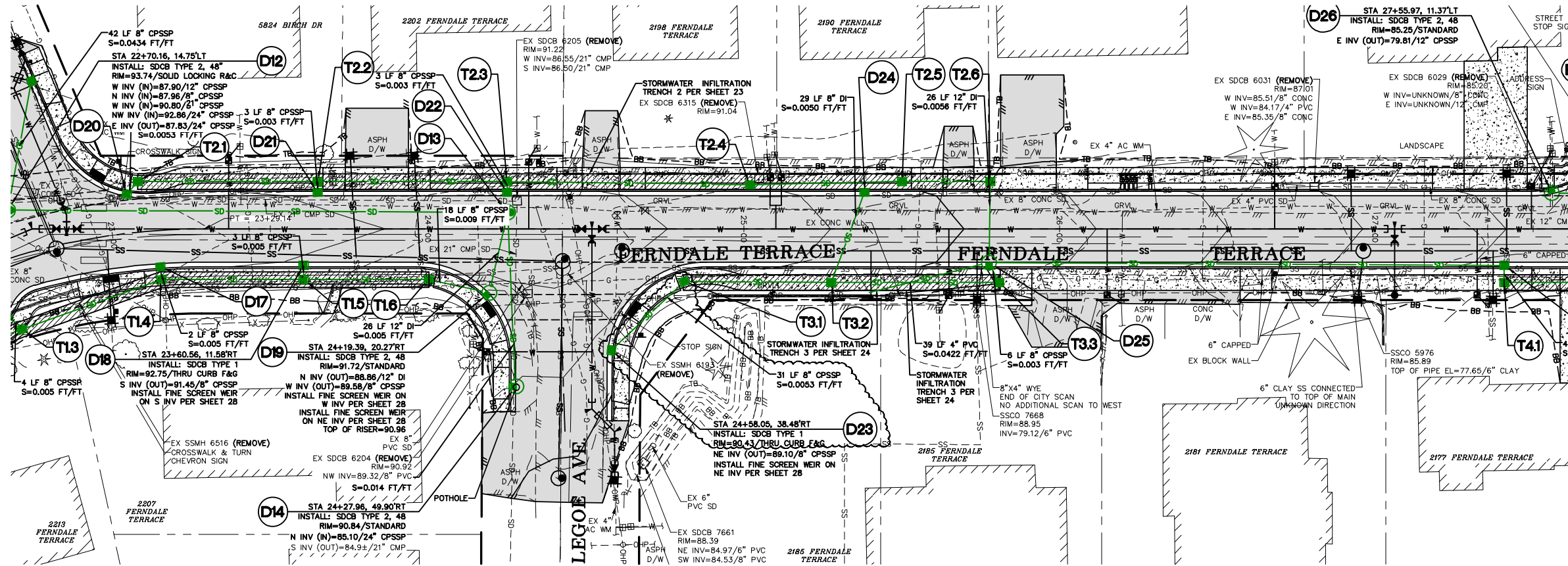
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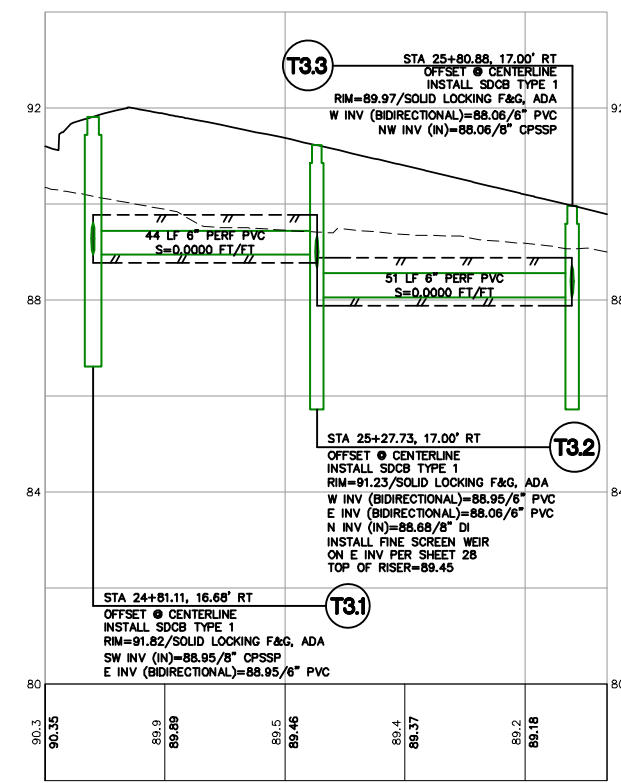
12/17/24

SHEET 23 of 85





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FOR INFILTRATION TRENCH DETAILS SEE SHEET 28

# CONSTRUCTION SET

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CHECKED BY LP

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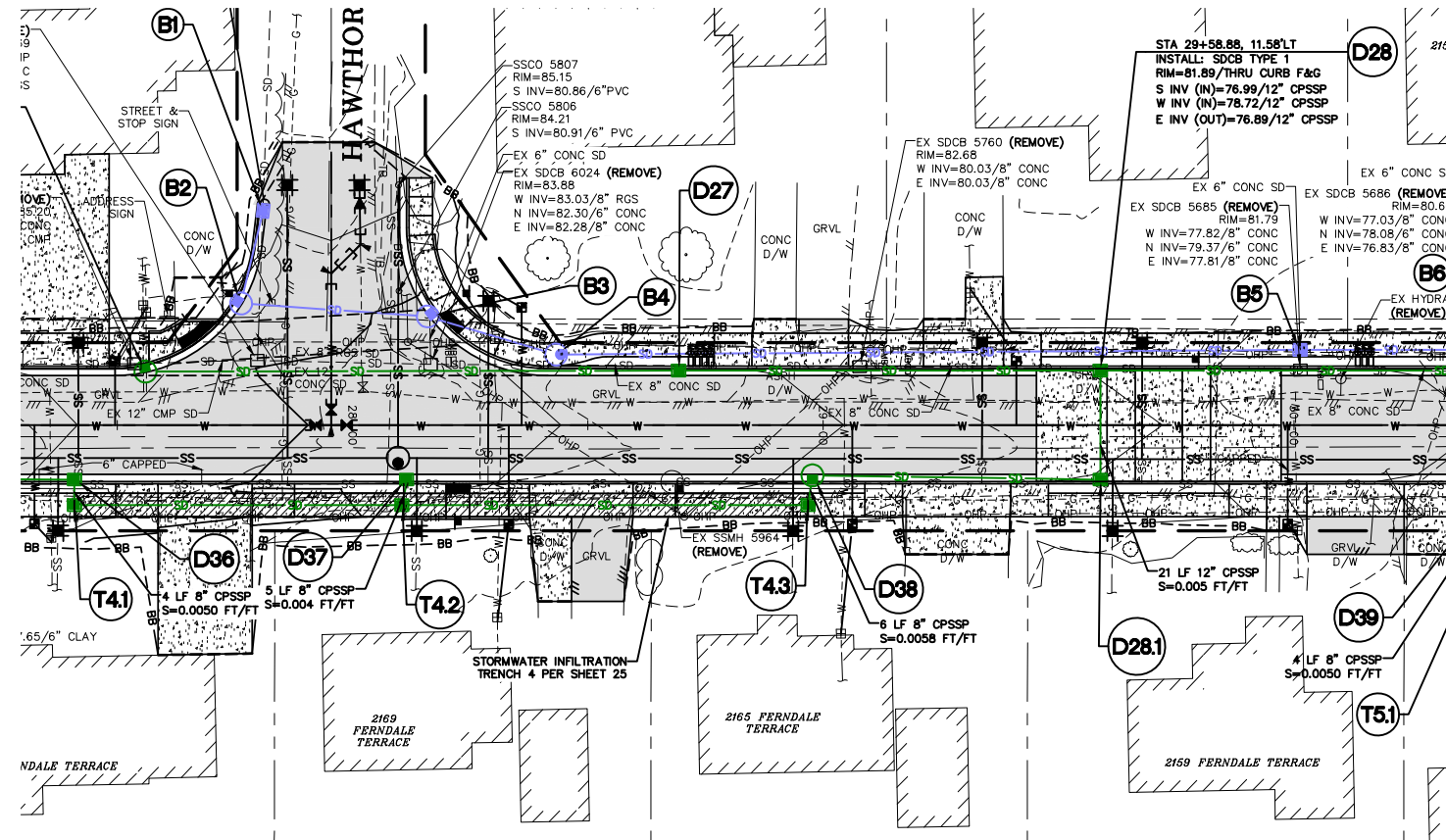
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CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

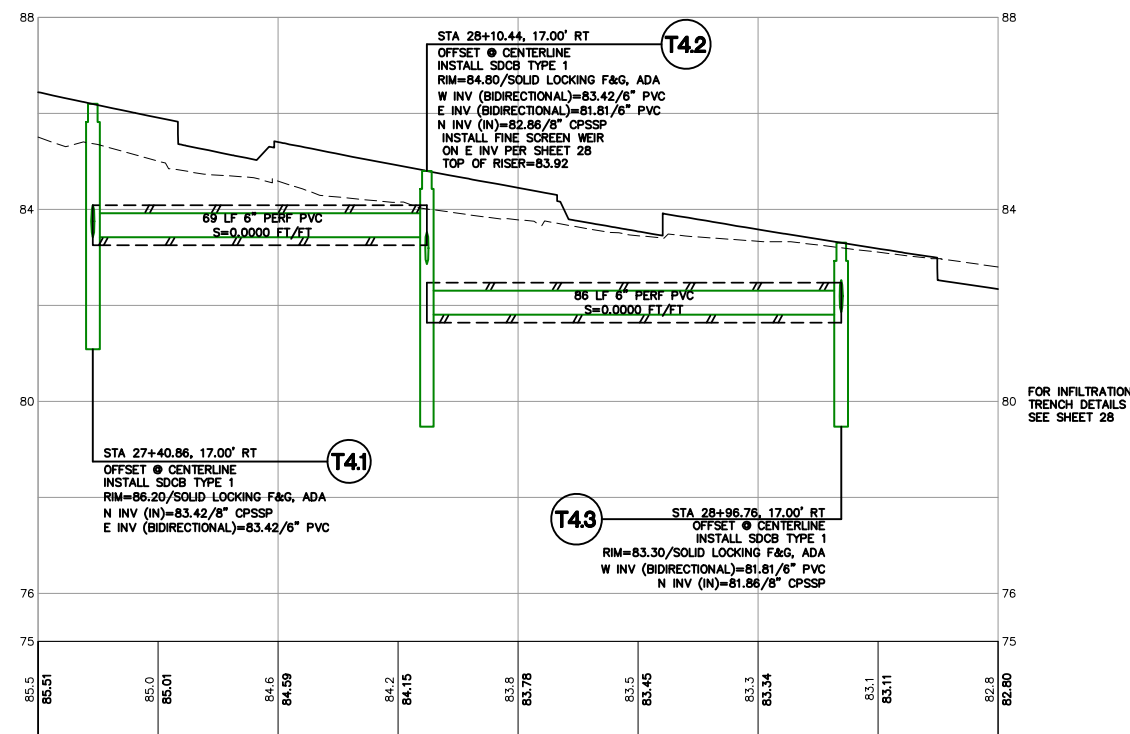
FERNDAL TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
TRENCH 3 PROFILE

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| DWG 18023 PLANS | DATE 1/17/25                 |
| JOB# 18023      | SCALE H: 1" = 20' V: 1" = 2' |
| SHEET 24 of 85  |                              |





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LP

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ENGINEERING INC  
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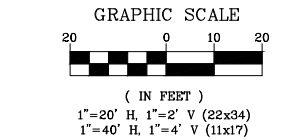
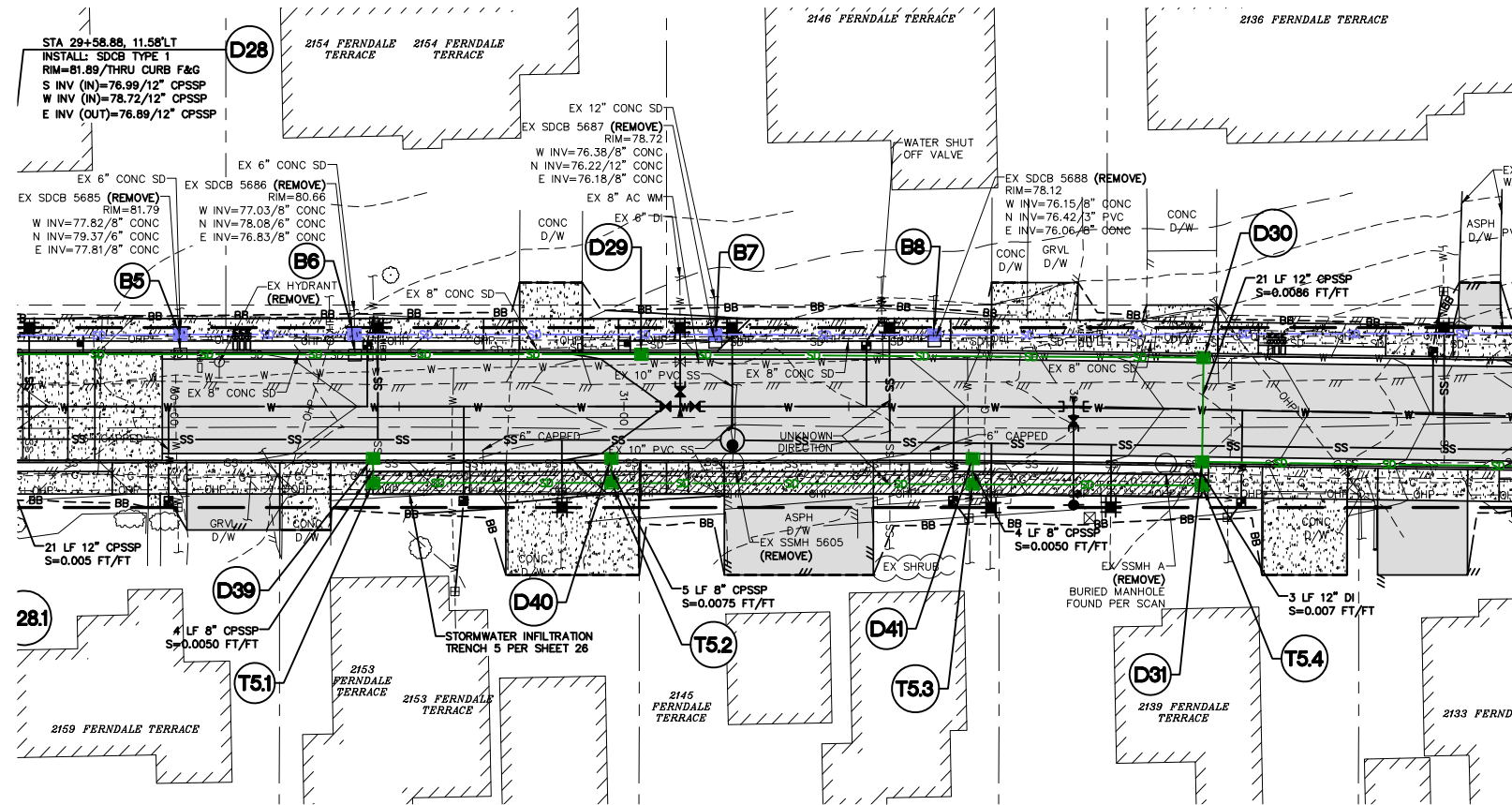
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CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

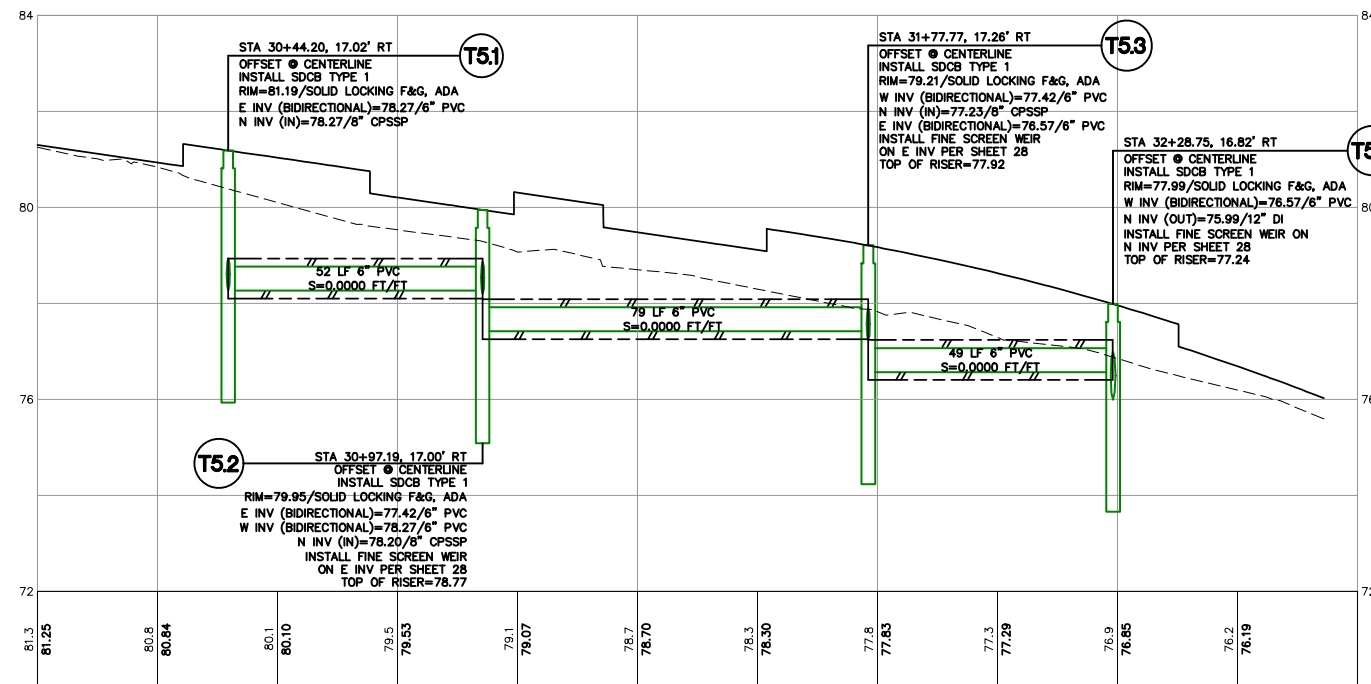
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VISTA DRIVE TO HENDRICKSON AVENUE  
TRENCH 4 PROFILE

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| DWG 18023 PLANS | DATE 12/17/24                |
| JOB# 18023      | SCALE H: 1" = 20' V: 1" = 2' |
| SHEET 25 of 85  |                              |

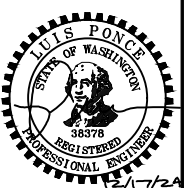




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FOR INFILTRATION TRENCH DETAILS SEE SHEET 28



# CONSTRUCTION SET

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LP

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| NO. | DATE | DESCRIPTION | BY |
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CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

FERNDAL TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
TRENCH 5 PROFILE

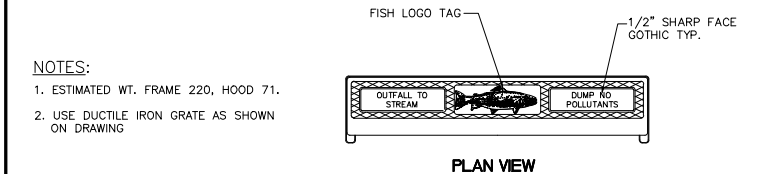
DWG 18023 PLANS

JOB#  
18023

SCALE  
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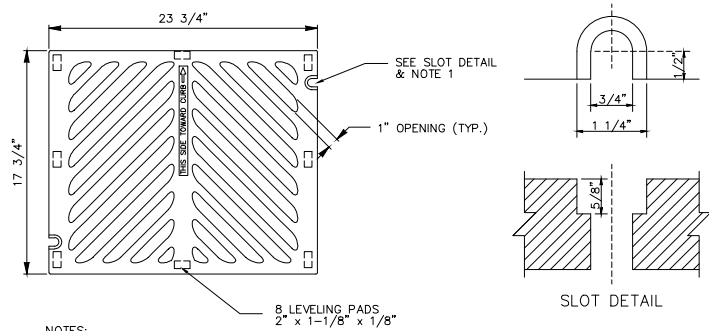
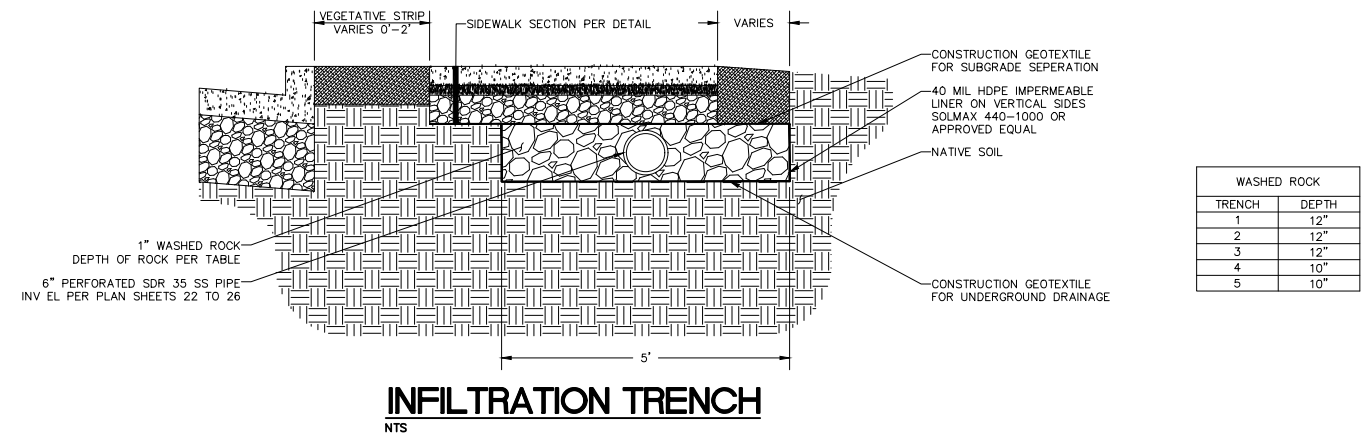


## NTS



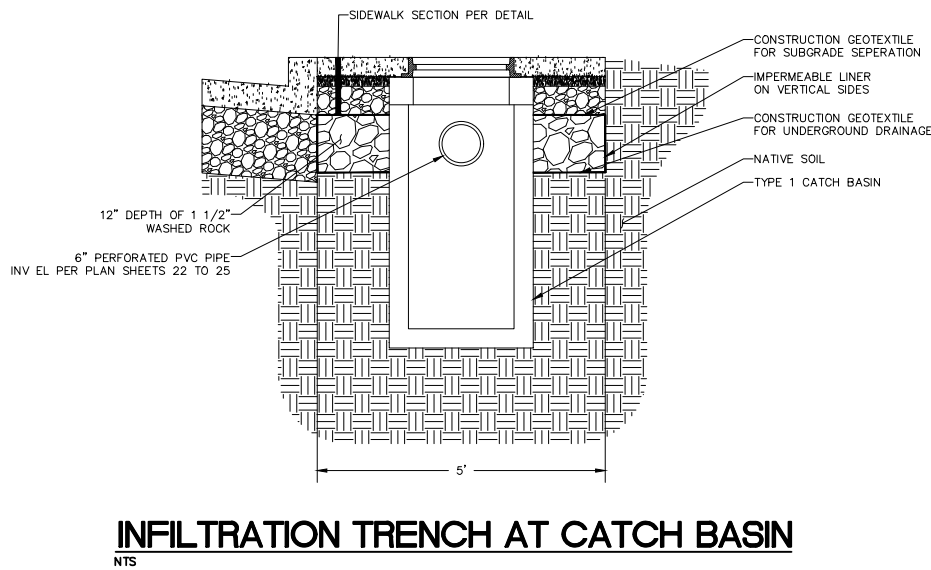
- ① CORRUGATED POLYETHYLENE STORM SEWER PIPE (STD. SPEC. 9-05.20)  
② (STD. SPEC. 9-05.12(1))  
③ (STD. SPEC. 9-05.12(2))



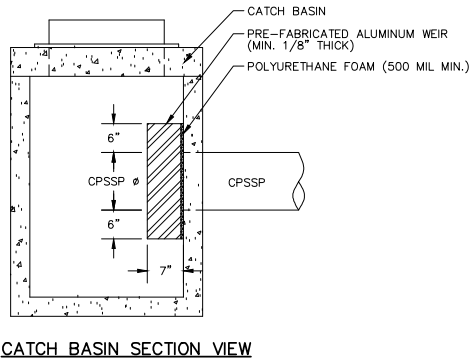
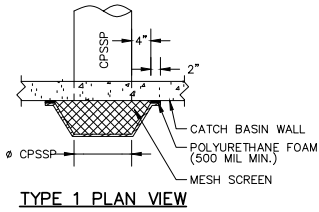
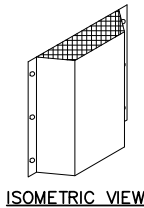
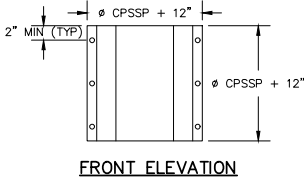
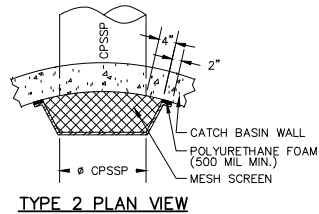


- NOTES:
1. ALL GRATES SHALL BE BOLT DOWN. PROVIDE TWO SLOTS IN THE GRATE THAT ARE VERTICALLY ALIGNED WITH THE HOLES IN THE FRAME. LOCATION OF BOLT DOWN SLOTS VARIES AMONG DIFFERENT MANUFACTURERS.
  2. THE THICKNESS OF THE GRATE SHALL NOT EXCEED 1-5/8".

**HERRINGBONE GRATE**  
NTS



| BOTTOM OF WEIR<br>CONDITION |             |
|-----------------------------|-------------|
| WIRE MESH                   | SOLID PLATE |
| D15                         | T1.4        |
| D16                         | T1.5        |
| D17                         | T2.2        |
| D18                         | T2.3        |
| D19 W INV                   | T2.4        |
| D20                         | T2.5        |
| D21                         | T2.6        |
| D22                         | T3.2        |
| D23                         | T4.2        |
| D24                         | T5.2        |
| D25 SE INV                  | T5.3        |
| D36                         | T5.4        |
| D37                         | D19 NE INV  |
| D38 S INV                   | D25 E INV   |
| D39                         | D38 E INV   |
| D40                         |             |
| D41                         |             |



- NOTES:
1. MESH SCREEN SHALL BE STAINLESS STEEL 18 GAUGE WIRE W/ 1/2" OPENINGS, SPOT WELDED TO THE TOP OF WEIR.
  - 1.1. BOTTOM OF WEIR SHALL BE EITHER MESH SCREEN AS DESCRIBED ABOVE OR SOLID STAINLESS STEEL 18 GAUGE PLATE WELDED TO THE BOTTOM OF WEIR. SEE TABLE FOR WHERE MESH SCREEN OR SOLID PLATE SHOULD BE APPLIED.
  2. MOUNT WEIR TO CATCH BASIN USING STAINLESS STEEL LAG BOLTS.

**FINE SCREEN WEIR**  
NTS

**CONSTRUCTION  
SET**

DESIGNED BY  
GS/LMH  
DRAWN BY  
GS/LMH  
CHECKED BY  
LP

**R&E** Reichhardt & Ebe  
ENGINEERING INC  
P.O. Box 978 | 423 Front Street  
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| NO. | DATE | DESCRIPTION | BY |
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CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

FERNDAL TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
STORM DETAILS (2)

DWG 18023 DETAILS

JOB#

18023

SCALE

H: N/A

V: N/A

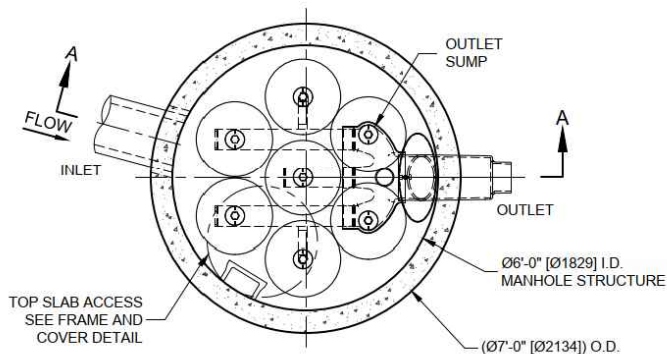
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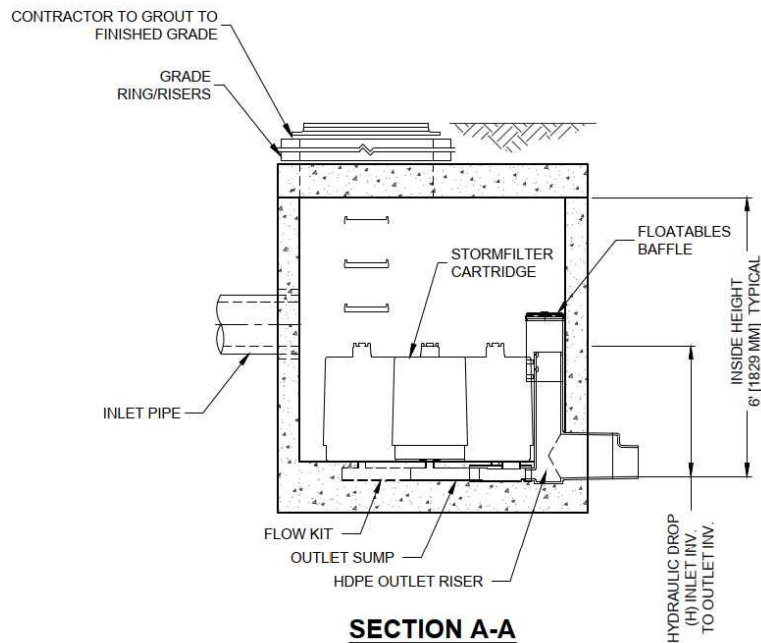
SHEET

28  
of 85





PLAN VIEW  
STANDARD OUTLET RISER  
FLOWKIT: 42A



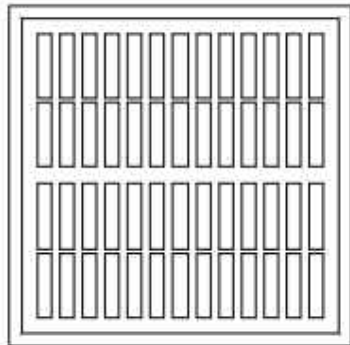
SECTION A-A

The Stormwater Management  
**StormFilter®**

THIS PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING  
U.S. PATENTS: 6,322,829; 5,524,576; 5,707,527; 5,685,187; 6,027,639; 6,849,048;  
RELATED FOREIGN PATENTS, OR OTHER PATENTS PENDING.

| STORMFILTER DESIGN NOTES                                                                                                                                                                                                                                                                                                                                                                                                        |                |              |               |           |               |            |           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------|---------------|-----------|---------------|------------|-----------|
| STORMFILTER TREATMENT CAPACITY IS A FUNCTION OF THE CARTRIDGE SELECTION AND THE NUMBER OF CARTRIDGES. THE STANDARD MANHOLE STYLE IS SHOWN WITH THE MAXIMUM NUMBER OF CARTRIDGES (7). VOLUME SYSTEM IS ALSO AVAILABLE WITH MAXIMUM 7 CARTRIDGES. Ø6'-0" [1829 mm] MANHOLE STORMFILTER PEAK HYDRAULIC CAPACITY IS 1.5 CFS [42.5 L/s] . IF THE SITE CONDITIONS EXCEED 1.5 CFS [42.5 L/s] AN UPSTREAM BYPASS STRUCTURE IS REQUIRED. |                |              |               |           |               |            |           |
| CARTRIDGE SELECTION                                                                                                                                                                                                                                                                                                                                                                                                             |                |              |               |           |               |            |           |
| CARTRIDGE HEIGHT                                                                                                                                                                                                                                                                                                                                                                                                                | 27" [686 mm]   |              | 18" [458 mm]  |           | LOW DROP      |            |           |
| RECOMMENDED HYDRAULIC DROP (H)                                                                                                                                                                                                                                                                                                                                                                                                  | 3.05' [930 mm] |              | 2.3' [700 mm] |           | 1.8' [550 mm] |            |           |
| SPECIFIC FLOW RATE (gpm/sf) [L/s/m²]                                                                                                                                                                                                                                                                                                                                                                                            | 2 [1.30]       | 1.67* [1.08] | 1 [0.65]      | 2 [1.30]  | 1.67* [1.08]  | 1 [0.65]   | 2 [1.30]  |
| CARTRIDGE FLOW RATE (gpm) [L/s]                                                                                                                                                                                                                                                                                                                                                                                                 | 22.5 [1.42]    | 18.79 [1.19] | 11.25 [0.71]  | 15 [0.95] | 12.53 [0.79]  | 7.5 [0.44] | 10 [0.63] |

\* 1.67 gpm/sf [1.08 L/s/m²] SPECIFIC FLOW RATE IS APPROVED WITH PHOSPHOSORB® (PSORB) MEDIA ONLY



30" [762] SQ. FRAME AND GRATE  
(ALSO AVAILABLE IN ROUND)  
N.T.S.

| SITE SPECIFIC DATA REQUIREMENTS         |          |          |
|-----------------------------------------|----------|----------|
| STRUCTURE ID                            | D11      |          |
| WATER QUALITY FLOW RATE (cfs)           | 0.1156   |          |
| PEAK FLOW RATE (cfs)                    | 1.263372 |          |
| RETURN PERIOD OF PEAK FLOW (yrs)        | 100      |          |
| # OF CARTRIDGES REQUIRED                | 5        |          |
| CARTRIDGE FLOW RATE                     | 11.25    |          |
| MEDIA TYPE (CSF, PERLITE, ZPG, GAC PHS) | ZPG      |          |
| PIPE DATA:                              | I.E.     | DIAMETER |
| INLET #1                                | 91.04    | 12"      |
| INLET #2                                |          |          |
| OUTLET PIPE                             | 87.99    | 12"      |
| RIM ELEVATION                           | 93.73    |          |
| ANTI-FLOTATION BALLAST                  | WIDTH    | HEIGHT   |
| NOTES/SPECIAL REQUIREMENTS:             |          |          |
| PER ENGINEER OF RECORD                  |          |          |

- GENERAL NOTES
- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
  - DIMENSIONS MARKED WITH ( ) ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
  - FOR SITE SPECIFIC DRAWINGS WITH DETAILED VAULT DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. [www.ContechES.com](http://www.ContechES.com)
  - STORMFILTER WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
  - STRUCTURE SHALL MEET AASHTO HS-20 LOAD RATING, ASSUMING EARTH COVER OF 0' - 5' [1524 mm] AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH THE CONTECH LOGO.
  - FILTER CARTRIDGES SHALL BE MEDIA-FILLED, PASSIVE, SIPHON ACTUATED, RADIAL FLOW, AND SELF CLEANING. RADIAL MEDIA DEPTH SHALL BE 7-INCHES [178 mm]. FILTER MEDIA CONTACT TIME SHALL BE AT LEAST 38 SECONDS.
  - SPECIFIC FLOW RATE IS EQUAL TO THE FILTER TREATMENT CAPACITY (gpm) [L/s] DIVIDED BY THE FILTER CONTACT SURFACE AREA (sq ft)[m²].
  - STORMFILTER STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C-478 AND AASHTO LOAD FACTOR DESIGN METHOD.

- INSTALLATION NOTES
- A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
- B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE STORMFILTER STRUCTURE.
- C. CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE.
- D. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT INLET PIPE(S).
- E. CONTRACTOR TO PROVIDE AND INSTALL CONNECTOR TO THE OUTLET RISER STUB. STORMFILTER EQUIPPED WITH A DUAL DIAMETER HDPE OUTLET STUB AND SAND COLLAR. IF OUTLET PIPE IS LARGER THAN 8 INCHES [200 mm], CONTRACTOR TO REMOVE THE 8 INCH [200 mm] OUTLET STUB AT MOLDED-IN CUT LINE. COUPLING BY FERRO OR EQUAL AND PROVIDED BY CONTRACTOR.
- F. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION-RELATED EROSION RUNOFF.

**CONTECH**  
ENGINEERED SOLUTIONS LLC

[www.contechES.com](http://www.contechES.com)  
9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069  
800-338-1122 513-645-7000 513-645-7993 FAX

SFMH72  
STORMFILTER  
STANDARD DETAIL

STRUCTURE D11  
STORMWATER TREATMENT FILTER 1



CONSTRUCTION  
SET

DESIGNED BY  
GS/LMH  
DRAWN BY  
GS/LMH  
CHECKED BY  
LP

**R&E** Reichhardt & Ebe  
ENGINEERING INC  
P.O. Box 978 | 423 Front Street  
Lynden, WA 98264 (360) 354-3687

| NO. | DATE | DESCRIPTION | BY |
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CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

FERNDAL TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
STORM DETAILS (3)

DWG 18023 DETAILS

JOB#

18023

SCALE

H: N/A

V: N/A

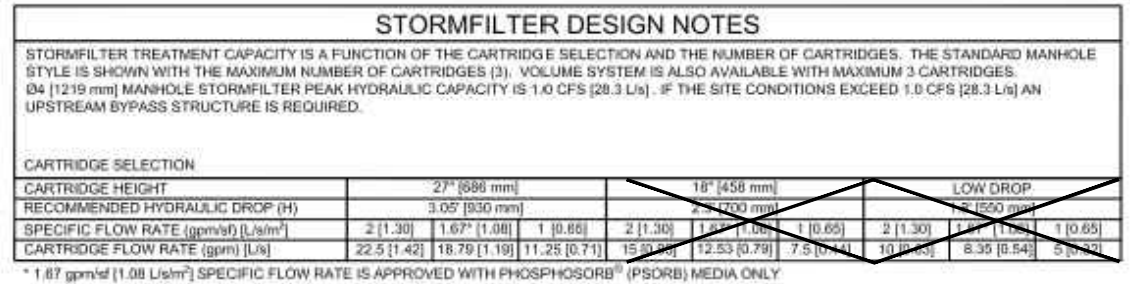
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12/17/24

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29  
of 85



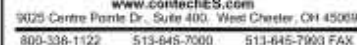


| SITE SPECIFIC DATA REQUIREMENTS    |       |              |
|------------------------------------|-------|--------------|
| STRUCTURE ID                       |       | D33          |
| WATER QUALITY FLOW RATE (cfs)      |       | 0.0657       |
| PEAK FLOW RATE (cfs)               |       | 0.78786      |
| RETURN PERIOD OF PEAK FLOW (yrs)   |       | 100          |
| CARTRIDGE HEIGHT (SEE TABLE ABOVE) |       |              |
| # OF CARTRIDGES REQUIRED           |       | 3            |
| CARTRIDGE FLOW RATE                |       | 11.25        |
| MEDIA TYPE (PERLITE, ZPG, PSORB)   |       | ZPG          |
| PIPE DATA:                         |       |              |
|                                    | I.E.  | DIAMETER     |
| INLET #1                           | 59.58 | 12"          |
| INLET #2                           | 60.30 | 4"           |
| OUTLET PIPE                        | 56.95 | 12"          |
| RIM ELEVATION                      |       | 62.58        |
| ANTI-FLOTATION BALLAST             |       |              |
|                                    |       | WIDTH HEIGHT |
| NOTES/SPECIAL REQUIREMENTS:        |       |              |
| *PER ENGINEER OF RECORD            |       |              |

- GENERAL NOTES**
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
  2. DIMENSIONS MARKED WITH ( ) ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
  3. FOR SITE SPECIFIC DRAWINGS WITH DETAILED VAULT DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. [www.ContechES.com](http://www.ContechES.com)
  4. STORMFILTER WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
  5. STRUCTURE SHALL MEET AASHTO HS-20 LOAD RATING, ASSUMING EARTH COVER OF 0' - 5' (1524 mm) AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH THE CONTECH LOGO.
  6. FILTER CARTRIDGES SHALL BE MEDIA-FILLED, PASSIVE, SIPHON ACTUATED, RADIAL FLOW, AND SELF CLEANING. RADIAL MEDIA DEPTH SHALL BE 7-INCHES (178 mm). FILTER MEDIA CONTACT TIME SHALL BE AT LEAST 38 SECONDS.
  7. SPECIFIC FLOW RATE IS EQUAL TO THE FILTER TREATMENT CAPACITY (gpm) DIVIDED BY THE FILTER CONTACT SURFACE AREA (sq ft)[m<sup>2</sup>].
  8. STORMFILTER STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C-478 AND AASHTO LOAD FACTOR DESIGN METHOD.

## INSTALLATION NOTES

- A. ANY SUB-BASE, BACKFILL DEPTH AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
- B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE STORMFILTER STRUCTURE.
- C. CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE.
- D. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT INLET PIPE(S).
- E. CONTRACTOR TO PROVIDE AND INSTALL CONNECTOR TO THE OUTLET RISER STUB. STORMFILTER EQUIPPED WITH A DUAL DIAMETER HDPE OUTLET STUB AND SAND COLLAR. IF OUTLET PIPE IS LARGER THAN 8 INCHES [200 mm], CONTRACTOR TO REMOVE THE 8 INCH [200 mm] OUTLET STUB AT MOLDED-IN CUT LINE, COUPLING BY FERNCO OR EQUAL AND PROVIDED BY CONTRACTOR.
- F. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION-RELATED EROSION RUNOFF.



SFMH48  
STORMFILTER  
STANDARD DETAIL

**STRUCTURE D33**  
**STORMWATER TREATMENT FILTER 2**



## CONSTRUCTION SET

|             |        |
|-------------|--------|
| DESIGNED BY | GS/LMH |
| DRAWN BY    | GS/LMH |
| CHECKED BY  | LP     |



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| NO. | DATE | DESCRIPTION | BY |

CITY OF FERNDALE  
2095 MAIN ST  
FERNDALE, WA 98248

FERNDALE TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
STORM DETAILS (4)

DWG 18023 DETAILS

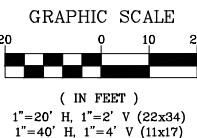
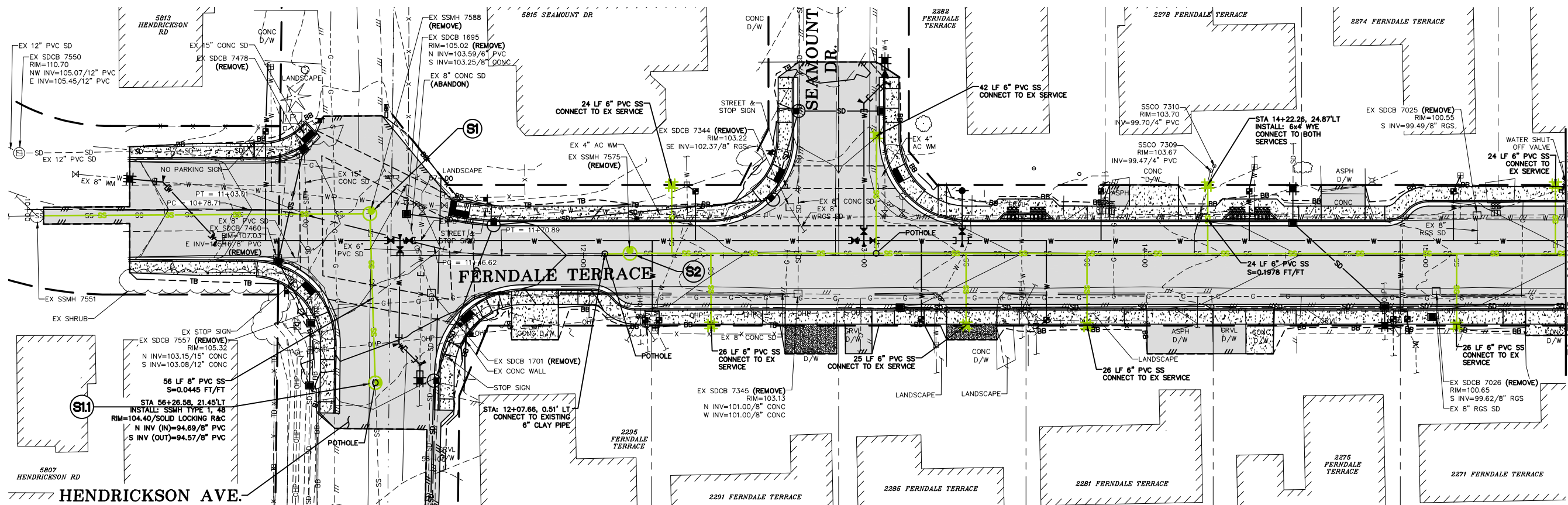
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SCALE  
H: **N/A**

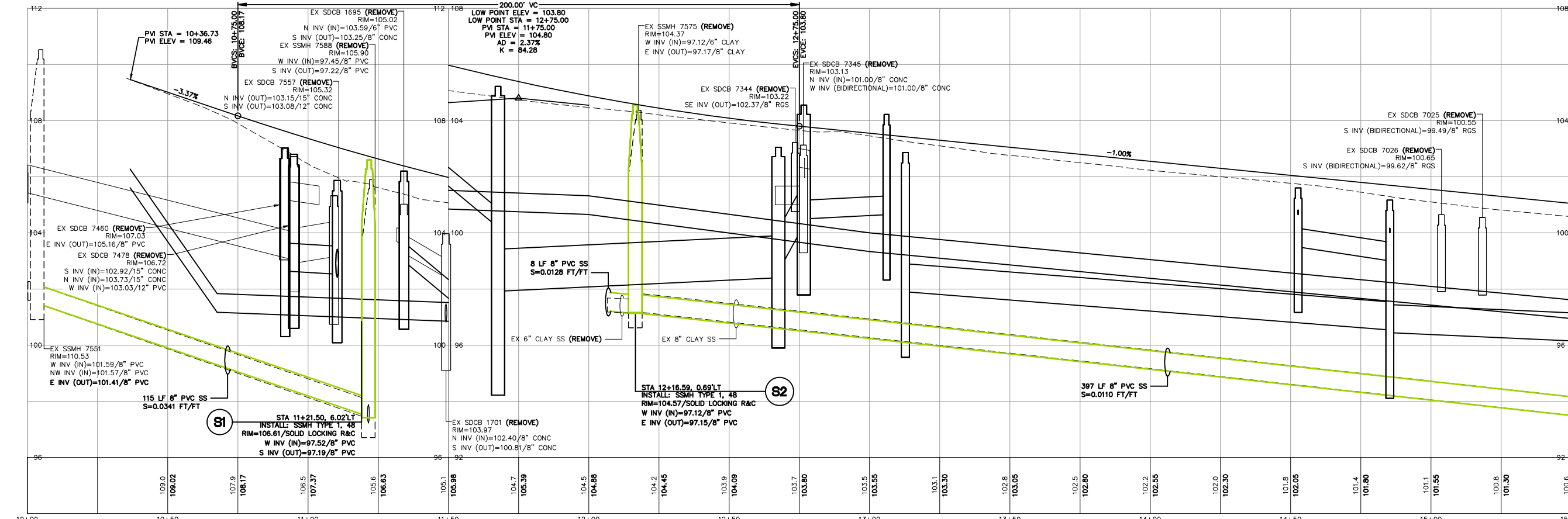
**v: N/A**

DATE 12/1/75

SHEET **30**  
of 85



- NOTE:
1. CONTRACTOR TO POTHOLE AT EACH SPECIFIED LOCATION FIVE (5) WORKING DAYS PRIOR TO PLANNED INSTALLATION TO VERIFY LAYOUT, PIPE LOCATION, DEPTH, SIZE, MATERIAL, AND ALL OTHER ITEMS NEEDED FOR THE CONNECTION.
  2. CONTRACTOR TO LOCATE AND CONNECT ALL SANITARY SERVICES TO PROPERTIES WITHIN THE PROJECT LIMITS.



# CONSTRUCTION SET

DESIGNED BY  
GS/LMH  
DRAWN BY  
GS/LMH  
CHECKED BY  
LP

**R&E** Reichhardt & Ebe  
ENGINEERING INC  
P.O. Box 978 | 423 Front Street  
Lynden, WA 98264 (360) 354-3687

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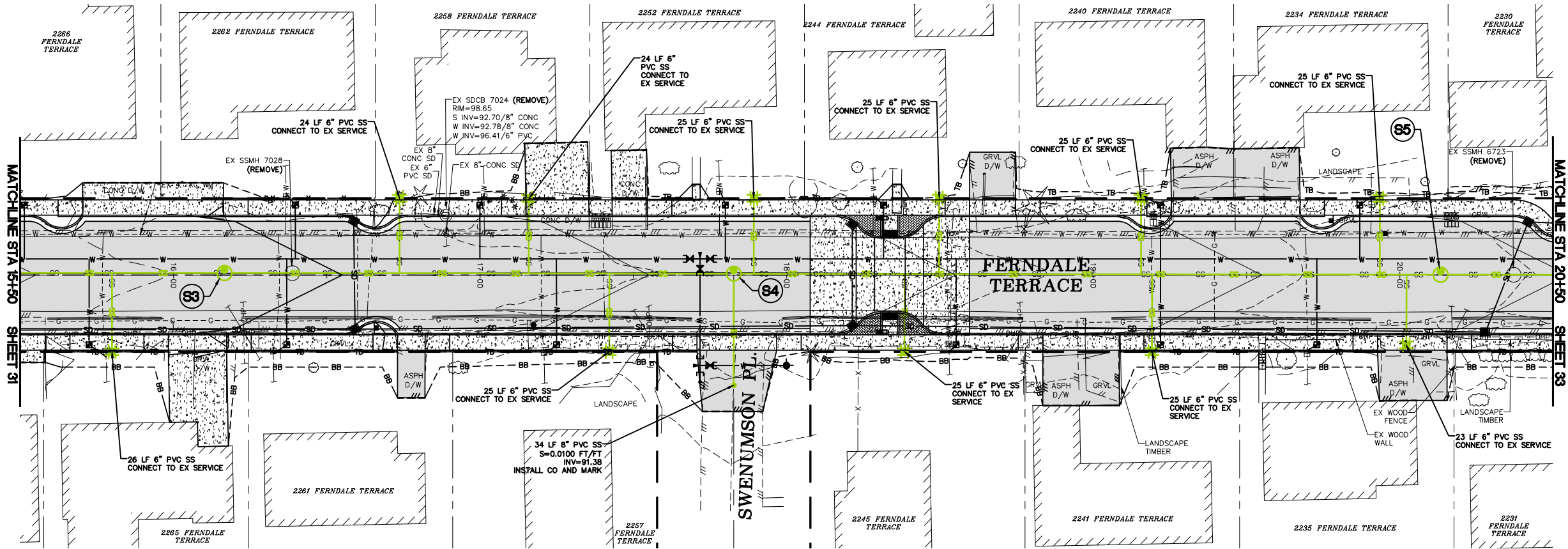
CITY OF FERDALE  
2095 MAIN ST  
FERDALE, WA 98248

FERDALE TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
SANITARY SEWER PLAN - STA 10+00 TO 15+50

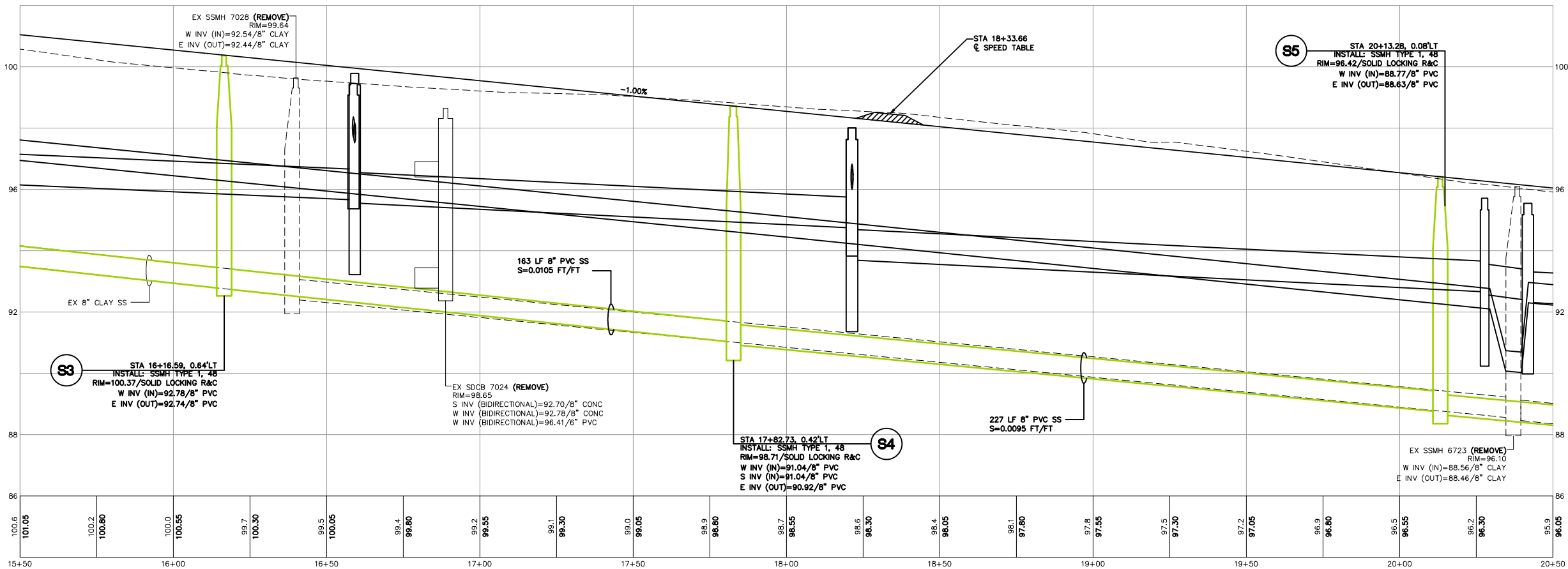
DWG 18023 SEWER  
JOB# 18023

SCALE  
H: 1" = 20' V: 1" = 2'

DATE 12/17/24  
SHEET 31 of 85



- NOTE:
1. CONTRACTOR TO POTHOLE AT EACH SPECIFIED LOCATION FIVE (5) WORKING DAYS PRIOR TO PLANNED INSTALLATION TO VERIFY LAYOUT, PIPE LOCATION, DEPTH, SIZE, MATERIAL, AND ALL OTHER ITEMS NEEDED FOR THE CONNECTION.
  2. CONTRACTOR TO LOCATE AND CONNECT ALL SANITARY SERVICES TO PROPERTIES WITHIN THE PROJECT LIMITS.



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DESIGNED BY  
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| NO. | DATE | DESCRIPTION | BY |
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CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

FERNDAL TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
SANITARY SEWER PLAN - STA 15+50 TO 20+50

DWG 18023 SEWER

JOB#

18023

SCALE  
H: 1" = 20' V: 1" = 2'

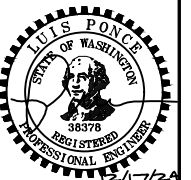
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12/17/24

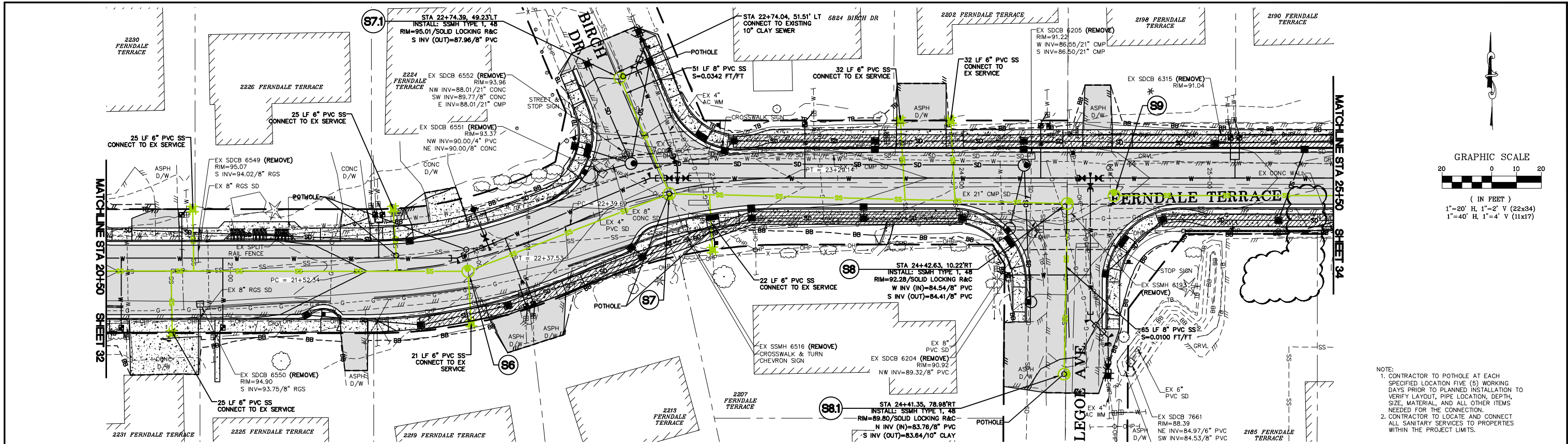
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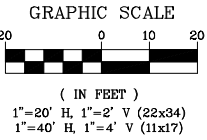
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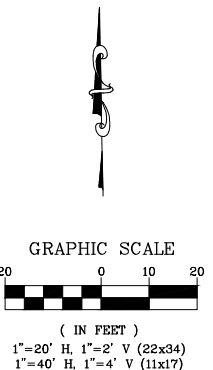
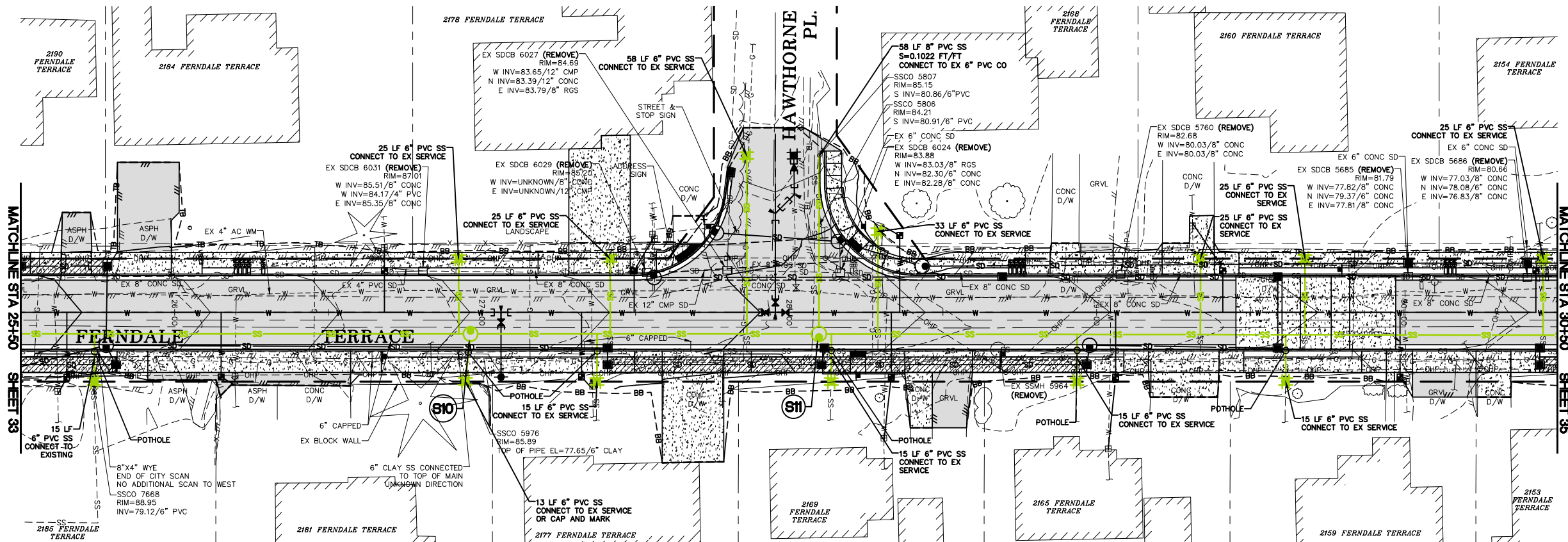




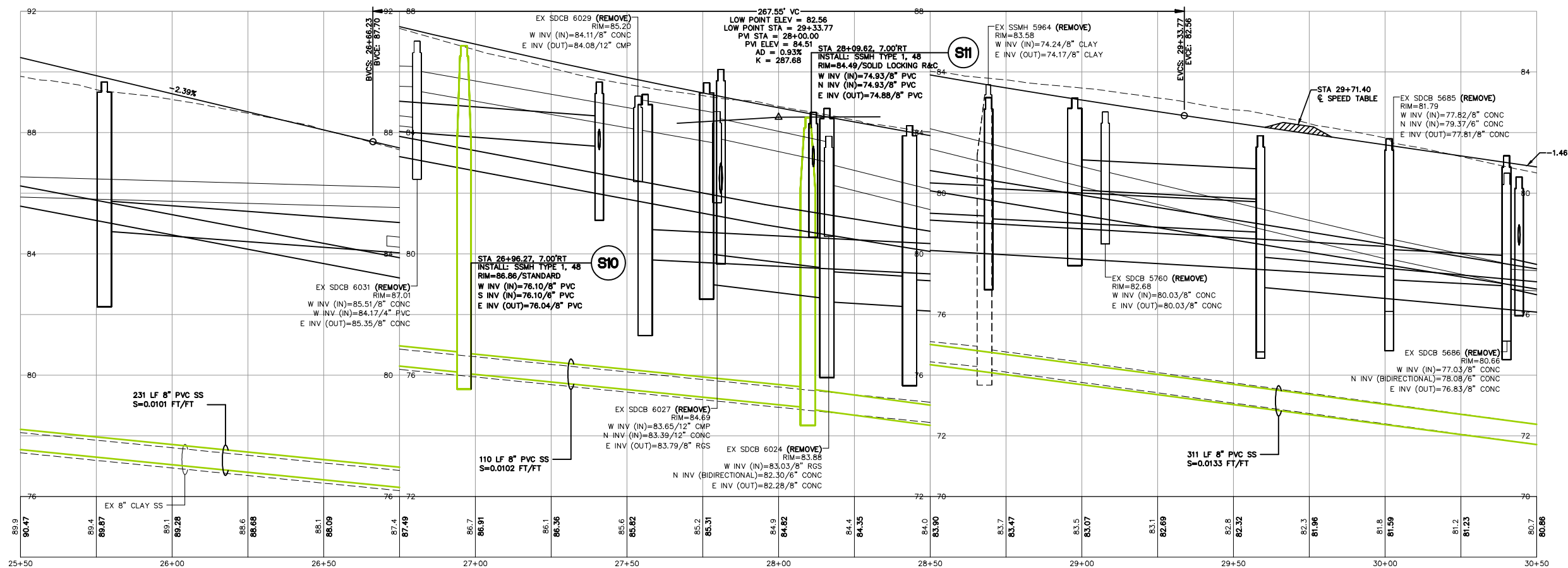


NOTE:  
1. CONTRACTOR TO POTHOLE AT EACH SPECIFIED LOCATION FIVE (5) WORKING DAYS PRIOR TO PLANNED INSTALLATION TO VERIFY LAYOUT, PIPE LOCATION, DEPTH, SIZE, MATERIAL, AND ALL OTHER ITEMS NEEDED FOR THE CONNECTION.  
2. CONTRACTOR TO LOCATE AND CONNECT ALL SANITARY SERVICES TO PROPERTIES WITHIN THE PROJECT LIMITS.





NOTE:  
1. CONTRACTOR TO POTHOLE AT EACH SPECIFIED LOCATION FIVE (5) WORKING DAYS PRIOR TO PLANNED INSTALLATION TO VERIFY LAYOUT, PIPE LOCATION, DEPTH, SIZE, MATERIAL, AND ALL OTHER ITEMS NEEDED FOR THE CONNECTION.  
2. CONTRACTOR TO LOCATE AND CONNECT ALL SANITARY SERVICES TO PROPERTIES WITHIN THE PROJECT LIMITS.



# CONSTRUCTION SET

DESIGNED BY GS/LMH  
DRAWN BY GS/LMH  
CHECKED BY LP

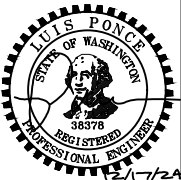
**R&E** Reichhardt & Ebe  
ENGINEERING INC  
P.O. Box 978 | 423 Front Street  
Lynden, WA 98264 (360) 354-3687

| NO. | DATE | DESCRIPTION | BY |
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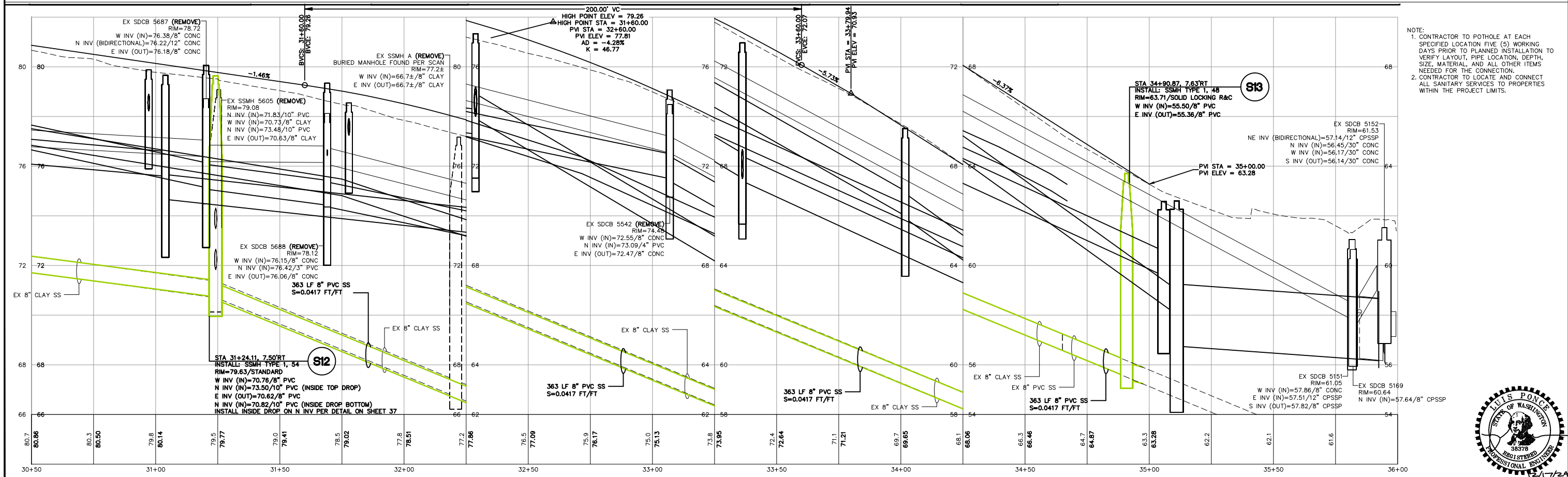
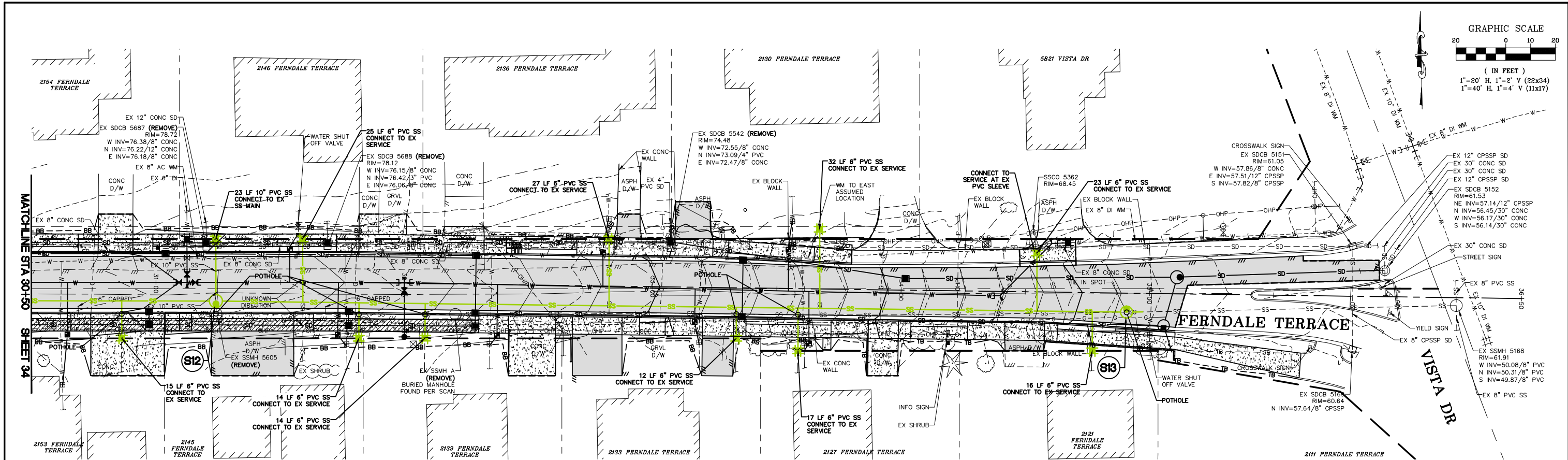
CITY OF FERDALE  
2095 MAIN ST  
FERDALE, WA 98248

FERDALE TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
SANITARY SEWER PLAN - STA 25+50 TO 30+50

|                 |                              |
|-----------------|------------------------------|
| DWG 18023 SEWER | DATE 12/17/24                |
| JOB# 18023      | SCALE H: 1" = 20' V: 1" = 2' |
| SHEET 34 of 85  |                              |





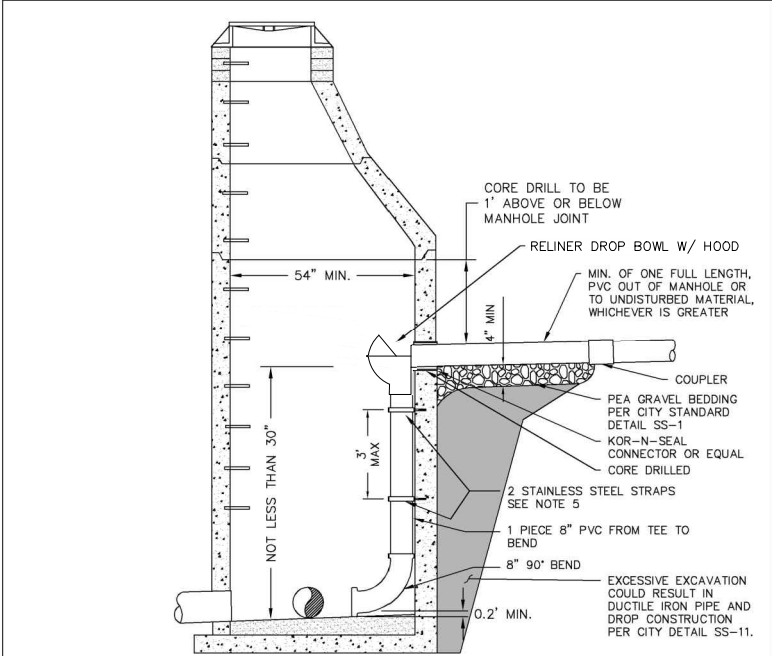


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|-------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------|-----|------|-------------|----|------------------------------------------------------|----------------------------------------------------------------------------------------------------------|------------------|---------------|---------------------------------|
| <b>CONSTRUCTION SET</b> | DESIGNED BY<br>GS/LMH | <b>R&amp;E</b> Reichhardt & Ebe<br>ENGINEERING INC<br>P.O. Box 978   423 Front Street<br>Lynden, WA 98264 (360) 354-3687 | NO. | DATE | DESCRIPTION | BY | CITY OF FERNDAL<br>2095 MAIN ST<br>FERNDAL, WA 98248 | FERNDAL TERRACE PROJECT<br>VISTA DRIVE TO HENDRICKSON AVENUE<br>SANITARY SEWER PLAN - STA 30+50 TO 36+50 | DWG 18023 SEWER  |               | DATE<br>12/17/24                |
|                         | DRAWN BY<br>GS/LMH    |                                                                                                                          |     |      |             |    |                                                      |                                                                                                          | CHECKED BY<br>LP | JOB#<br>18023 | SCALE<br>H: 1" = 20' V: 1" = 2' |





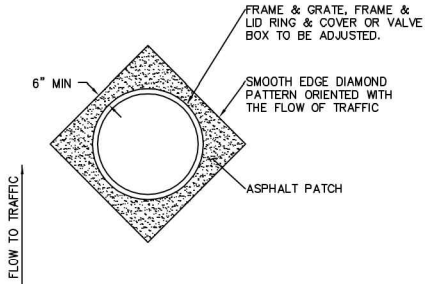




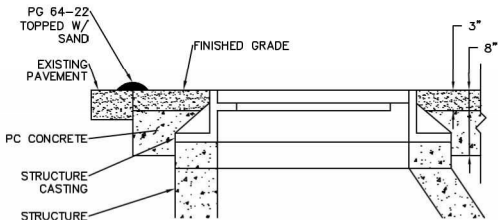
- NOTES:
- DROP TEE TO BE INSTALLED MINIMUM OF 3' BELOW CONE SECTION.
  - INSIDE DROP MANHOLE SHALL BE INSTALLED ONLY WHERE APPROVED BY THE PUBLIC WORKS DIRECTOR.
  - SIZE OF MANHOLE WILL INCREASE WITH LARGER DIAMETER PIPE AND SHALL BE APPROVED BY THE PUBLIC WORKS DIRECTOR.
  - CHANNEL TO OUTLET.
  - STAINLESS ADJUSTABLE PIPE BRACKETS AS MANUFACTURED BY RELINER-DURAN INC. OR APPROVED EQUAL. ATTACH TO WALL WITH  $\frac{3}{8}$ " SS ANCHOR BOLTS.
  - INSIDE DROP SEWER MANHOLE CONNECTION FOR EXISTING SANITARY MANHOLE STRUCTURES.

MODIFIED APRIL 25, 2018

|  |                       |         |                                      |
|--|-----------------------|---------|--------------------------------------|
|  | APPROVED              |         | INSIDE DROP SEWER MANHOLE CONNECTION |
|  |                       | 8/20/18 | STANDARD DETAIL SS-13                |
|  | Public Works Director | Date    | NOT TO SCALE                         |

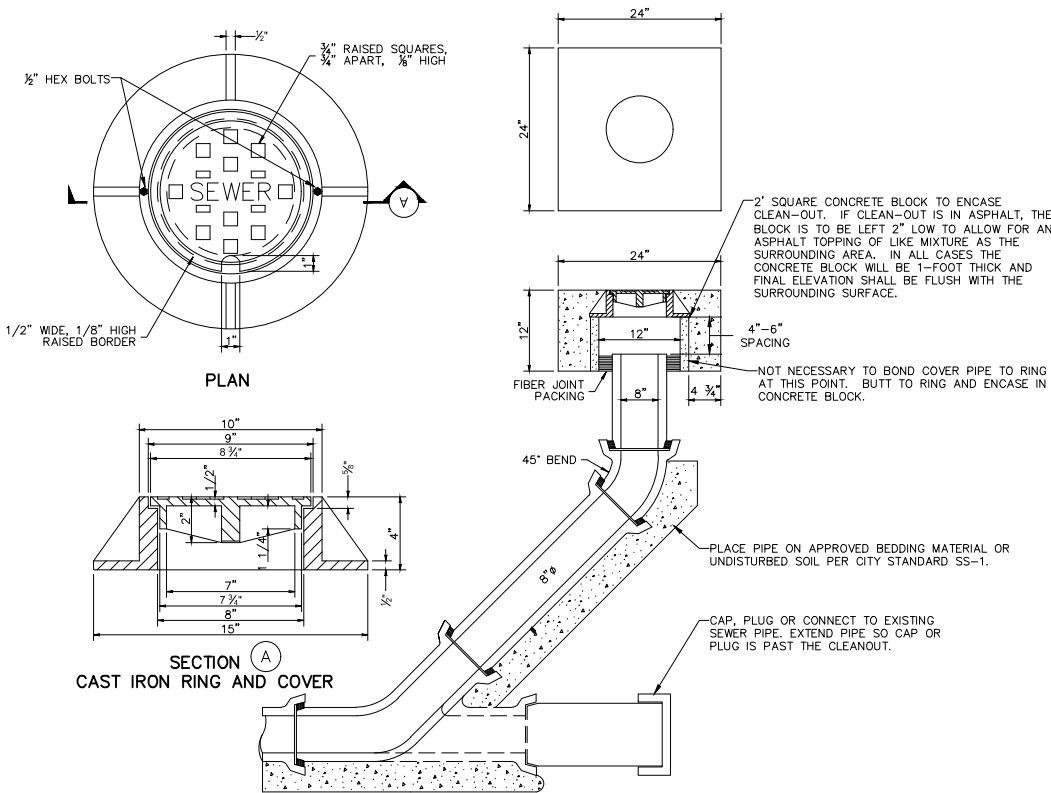


- NOTES:
- ALL FRAMES, COVERS & VALVE BOXES SHALL BE ADJUSTED TO FINISHED GRADE AFTER THE FINAL LIFT OF PAVING HAS BEEN COMPLETED. THE FOLLOWING PROCEDURE SHALL BE USED:
- CUT THE ASPHALT IN A DIAMOND AROUND THE STRUCTURE CASTING TO BE ADJUSTED.
  - REMOVE THE FILL MATERIAL WITHIN THE CUT PAVEMENT AREA TO 8 INCHES MIN. BELOW FINISH GRADE.
  - PLACE THE CASTING AT FINISH GRADE.
  - PLACE PORTLAND CEMENT CONCRETE TO WITHIN THE TOP 3 INCHES OF FINISH GRADE.
  - APPLY TACK TO THE STRUCTURE CASTING, CUT PAVEMENT, & PC CONCRETE.
  - PLACE & COMPACT 3 INCHES OF HMA TO FINISH GRADE.
  - SEAL PAVEMENT JOINTS W/ HOT PG 64-22 & TOP W/ SAND.



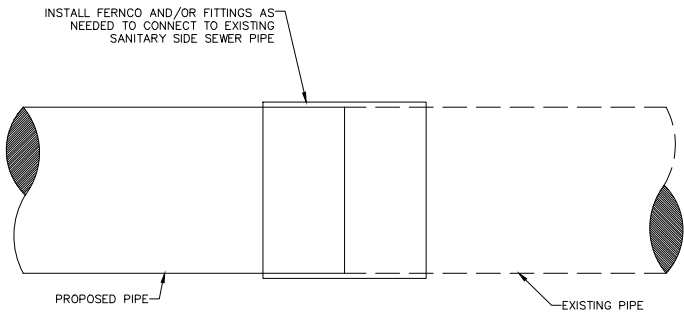
AUGUST 1, 2017

|  |                       |         |                                     |
|--|-----------------------|---------|-------------------------------------|
|  | APPROVED              |         | ADJUSTING CASINGS TO FINISHED GRADE |
|  |                       | 8/11/17 | STANDARD DETAIL SS-19               |
|  | Public Works Director | Date    | NOT TO SCALE                        |



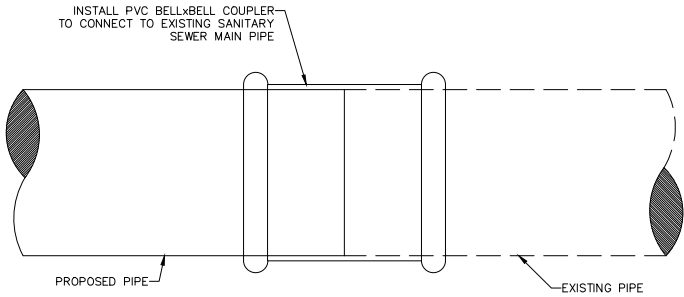
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NTS



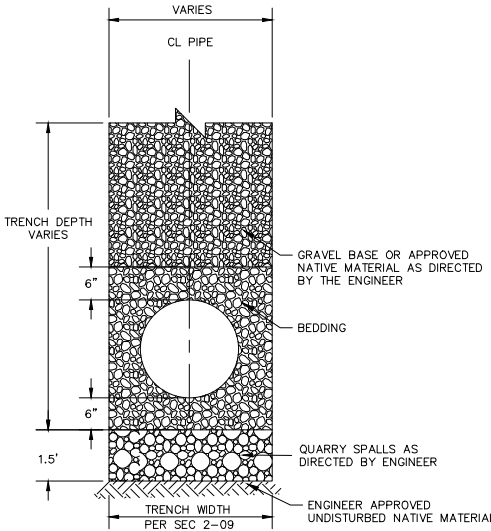
### CONNECT TO EXISTING SIDE SEWER PIPE DETAIL

NTS



### CONNECT TO EXISTING SEWER MAIN PIPE DETAIL

NTS



### UNSUITABLE SOILS TRENCH DETAIL

NTS



## CONSTRUCTION SET

DESIGNED BY  
GS/LMH  
DRAWN BY  
GS/LMH  
CHECKED BY  
LP

**R&E** Reichhardt & Ebe  
ENGINEERING INC  
P.O. Box 978 | 423 Front Street  
Lynden, WA 98264 (360) 354-3687

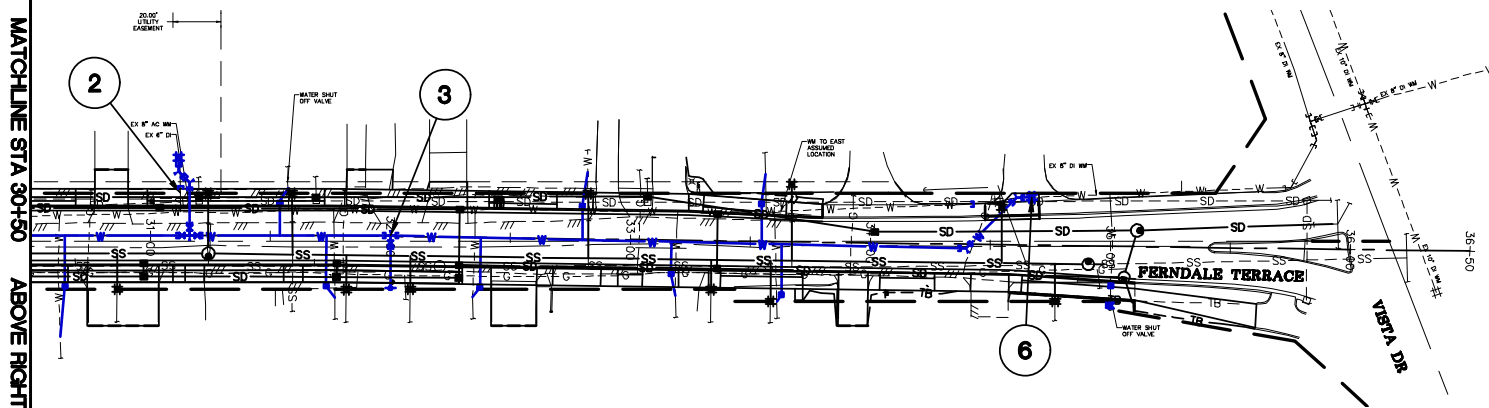
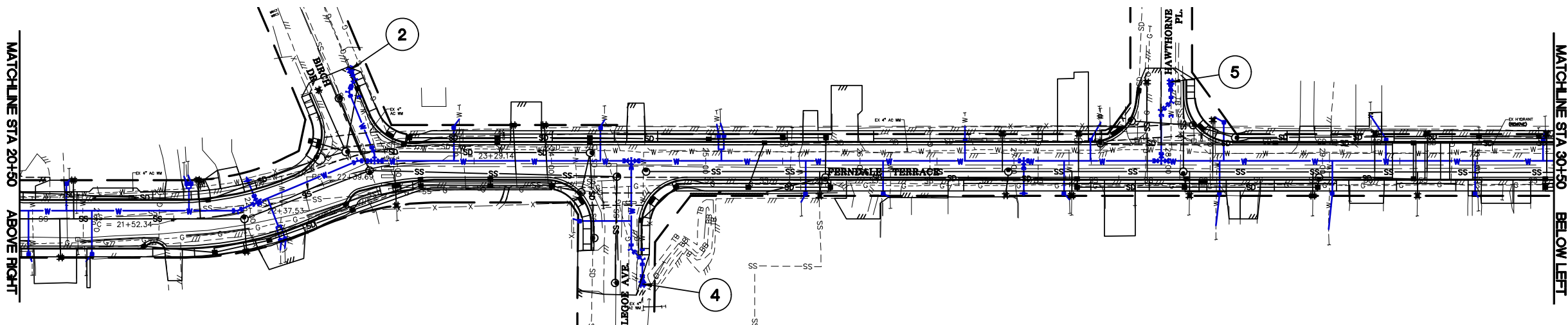
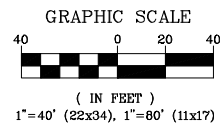
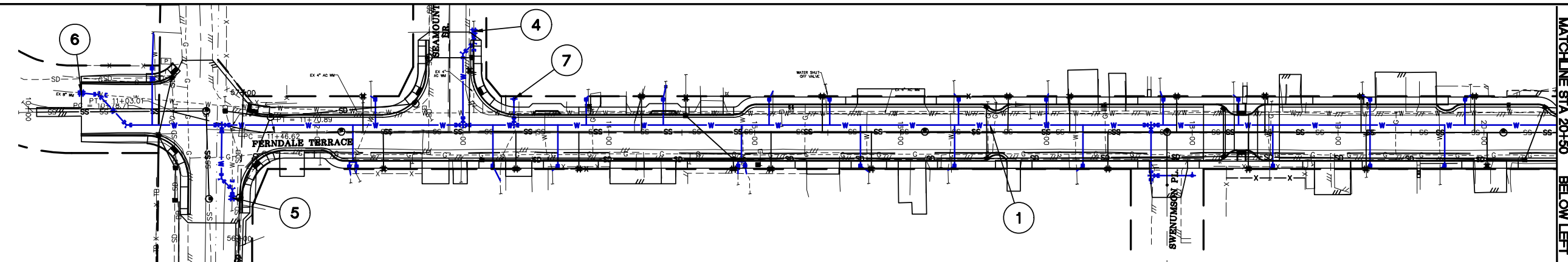
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CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

FERNDAL TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
SEWER DETAILS (2)

|                   |                     |
|-------------------|---------------------|
| DWG 18023 DETAILS | DATE 12/17/24       |
| JOB# 18023        | SCALE H: N/A V: N/A |
| SHEET 37 of 85    |                     |





# ORDER OF WORK:

## NOTES:

1. CONTRACTOR SHALL COMPLETE ALL WATER CONNECTIONS WITHIN TEN (10) CONSECUTIVE WORKING DAYS. ORDER OF WORK ②, ③, ④, ⑤, ⑥, AND ⑦ SHALL EACH BE COMPLETED AS NOTED BELOW.

- ① INSTALL AND TEST THE NEW 8" WATER MAIN AND HYDRANTS FROM APPROXIMATELY STA 10+50 TO STA 34+60.
- ② CAP EXISTING AC AND DI WATER MAIN. CONNECT NEW 8" WATER MAIN TO EXISTING 4" WATER MAIN AT APPROXIMATELY STA 22+84.50, 59.12'LT AND 6" WATER MAIN AT APPROXIMATELY STA 31+12, 32'LT. DURING ORDER OF WORK 2, THE NEW 8" WATER MAIN AND THE EXISTING WATER MAIN WILL BE OPERATIONAL. THIS WORK SHALL BE COMPLETED WITHIN 1 – 12 HOUR WORKDAY.
- ③ TRANSFER ALL SERVICES TO NEW 8" WATER MAIN. THIS WORK SHALL BE COMPLETED WITHIN FIVE (5) WORKING DAYS AND THE WORKING DAY SHOULD NOT EXCEED 12 CONSECUTIVE HOURS.
- ④ CAP EXISTING AC WATER MAIN. AND CONNECT NEW 8" WATER MAIN TO EXISTING 4" WATER MAIN AT APPROXIMATELY STA 13+07.39, 58.89'LT AND AT APPROXIMATELY STA 24+59.09, 79.62'RT. THIS WORK SHALL BE COMPLETED WITHIN ONE (1) WORKING DAY. THE WORKING DAY SHALL NOT EXCEED 12 CONSECUTIVE HOURS.
- ⑤ CAP EXISTING AC WATER MAIN. AND CONNECT NEW 8" WATER MAIN TO EXISTING 4" WATER MAIN AT APPROXIMATELY STA 11+50.81, 46.39'RT AND AT APPROXIMATELY STA 28+01.64, 38.35'LT. THIS WORK SHALL BE COMPLETED WITHIN ONE (1) WORKING DAY. THE WORKING DAY SHALL NOT EXCEED 12 CONSECUTIVE HOURS.
- ⑥ CAP EXISTING AC WATER MAIN. AND CONNECT THE NEW 8" WATER MAIN TO EXISTING WATER MAIN AT APPROXIMATELY STA 10+36.62, 10.83'LT AND AT APPROXIMATELY STA 34+66.94, 19.89'LT. THIS WORK SHALL BE COMPLETED WITHIN ONE (1) WORKING DAY. THE WORKING DAY SHALL NOT EXCEED 12 CONSECUTIVE HOURS.
- ⑦ INSTALL HYDRANT AT STA 13+34.40, LT. THIS WORK SHALL BE COMPLETED WITHIN ONE (1) WORKING DAY. THE WORKING DAY SHALL NOT EXCEED 12 CONSECUTIVE HOURS.

## CONSTRUCTION SET

DESIGNED BY  
GS/LMH  
DRAWN BY  
GS/LMH  
CHECKED BY  
LP

**R&E** Reichhardt & Ebe  
ENGINEERING INC  
P.O. Box 978 | 423 Front Street  
Lynden, WA 98264 (360) 354-3687

|     |         |             |    |
|-----|---------|-------------|----|
| 3   | 1/31/25 | ADDENDUM 3  | LP |
| 1   | 1/17/25 | ADDENDUM 1  | GS |
| NO. | DATE    | DESCRIPTION | BY |

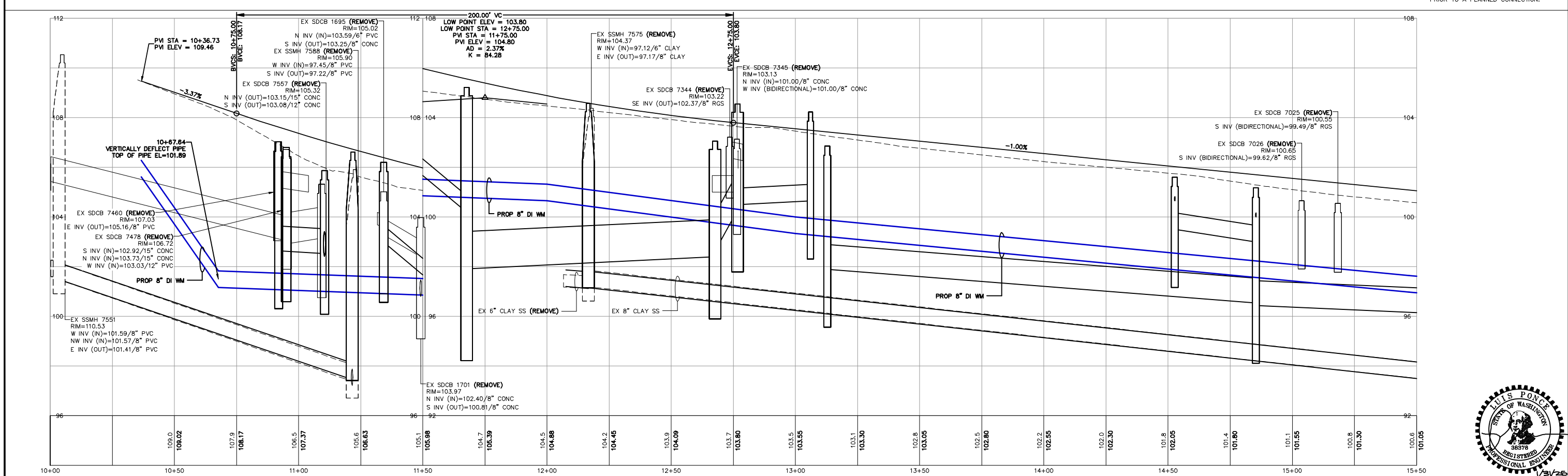
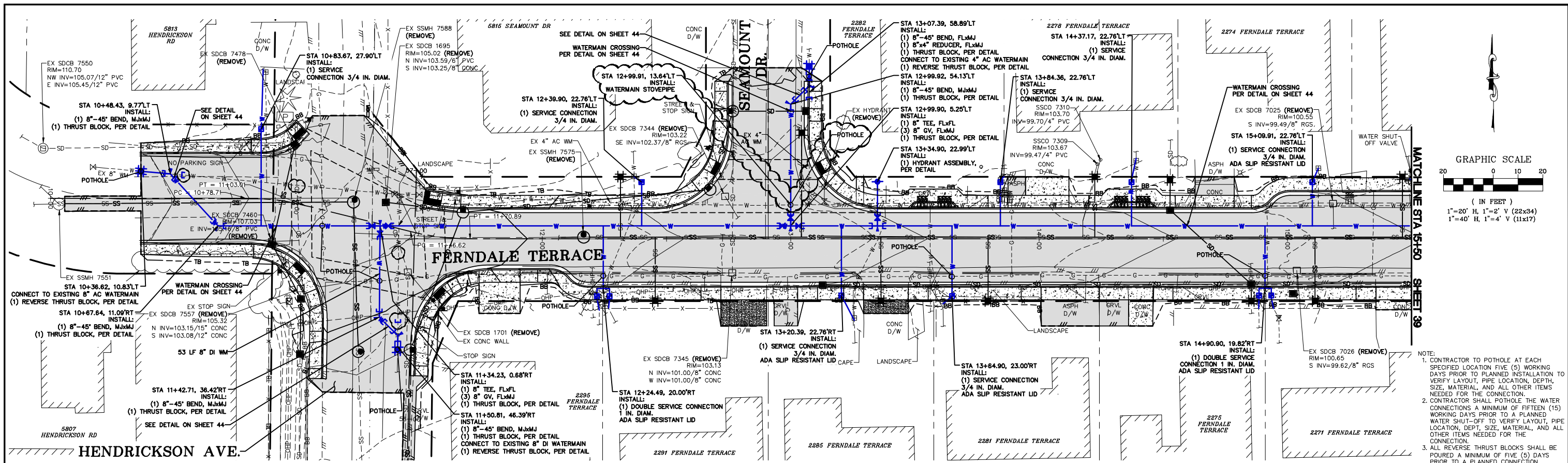
CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

FERNDAL TERRACE PROJECT  
HENDRICKSON AVENUE TO VISTA DRIVE  
WATER PLAN - STA 10+00 TO 36+50

|                          |                 |
|--------------------------|-----------------|
| DWG 18023 WATER          | DATE 1/31/25    |
| JOB# 18023               | SHEET 37A of 85 |
| SCALE H: 1" = 40' V: N/A |                 |





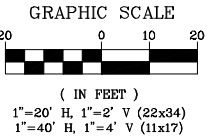
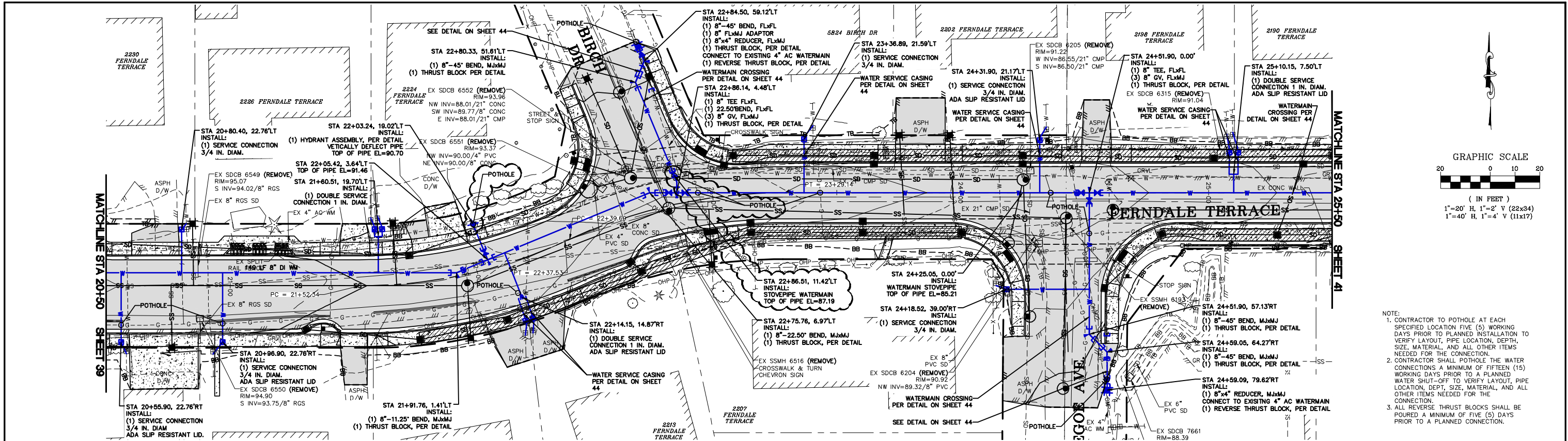


|                         |                                                                 |                                                                                                                          |     |         |             |    |                                                      |                                                                                                 |                                                               |                      |
|-------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-----|---------|-------------|----|------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------------|
| <b>CONSTRUCTION SET</b> | DESIGNED BY<br>GS/LMH<br>DRAWN BY<br>GS/LMH<br>CHECKED BY<br>LP | <b>R&amp;E</b> Reichhardt & Ebe<br>ENGINEERING INC<br>P.O. Box 978   423 Front Street<br>Lynden, WA 98264 (360) 354-3687 | 3   | 1/31/25 | ADDENDUM 3  | LP | CITY OF FERDALE<br>2095 MAIN ST<br>FERDALE, WA 98248 | FERDALE TERRACE PROJECT<br>HENDRICKSON AVENUE TO VISTA DRIVE<br>WATER PLAN - STA 10+00 TO 15+50 | DWG 18023 WATER<br>JOB# 18023<br>SCALE H: 1" = 20' V: 1" = 2' | DATE<br>1/31/25      |
|                         |                                                                 |                                                                                                                          | 1   | 1/17/25 | ADDENDUM 1  | GS |                                                      |                                                                                                 |                                                               | SHEET<br>38<br>of 85 |
|                         |                                                                 |                                                                                                                          | NO. | DATE    | DESCRIPTION | BY |                                                      |                                                                                                 |                                                               |                      |

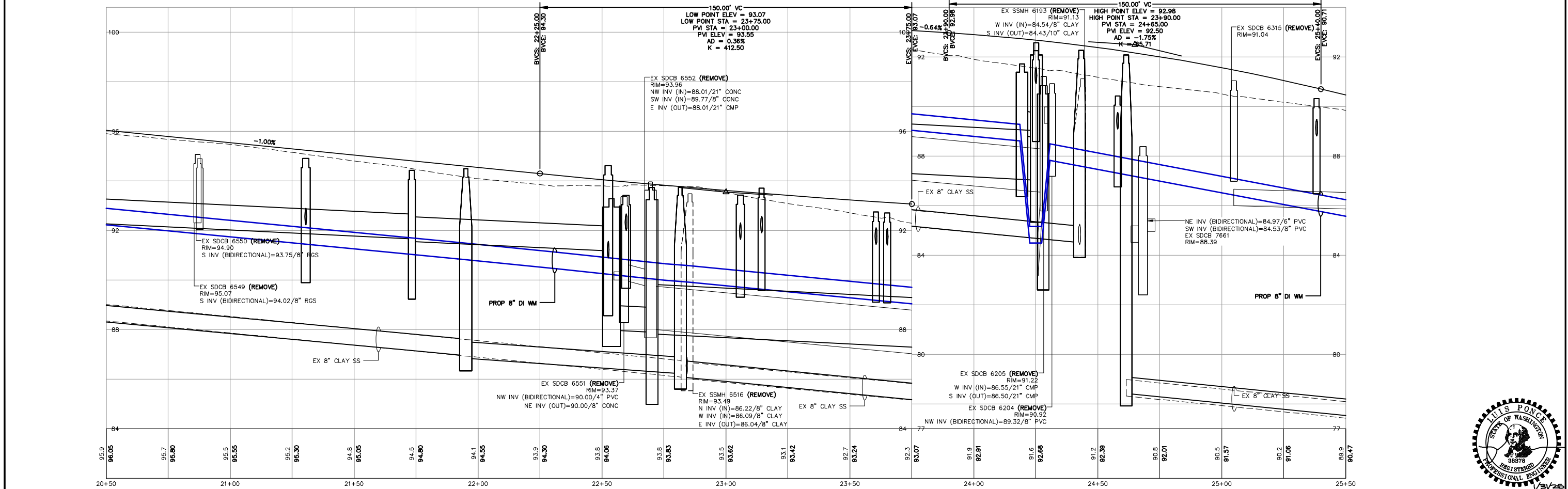








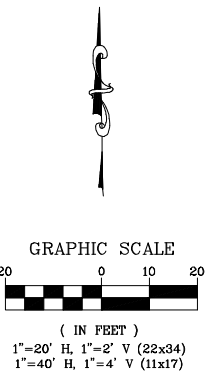
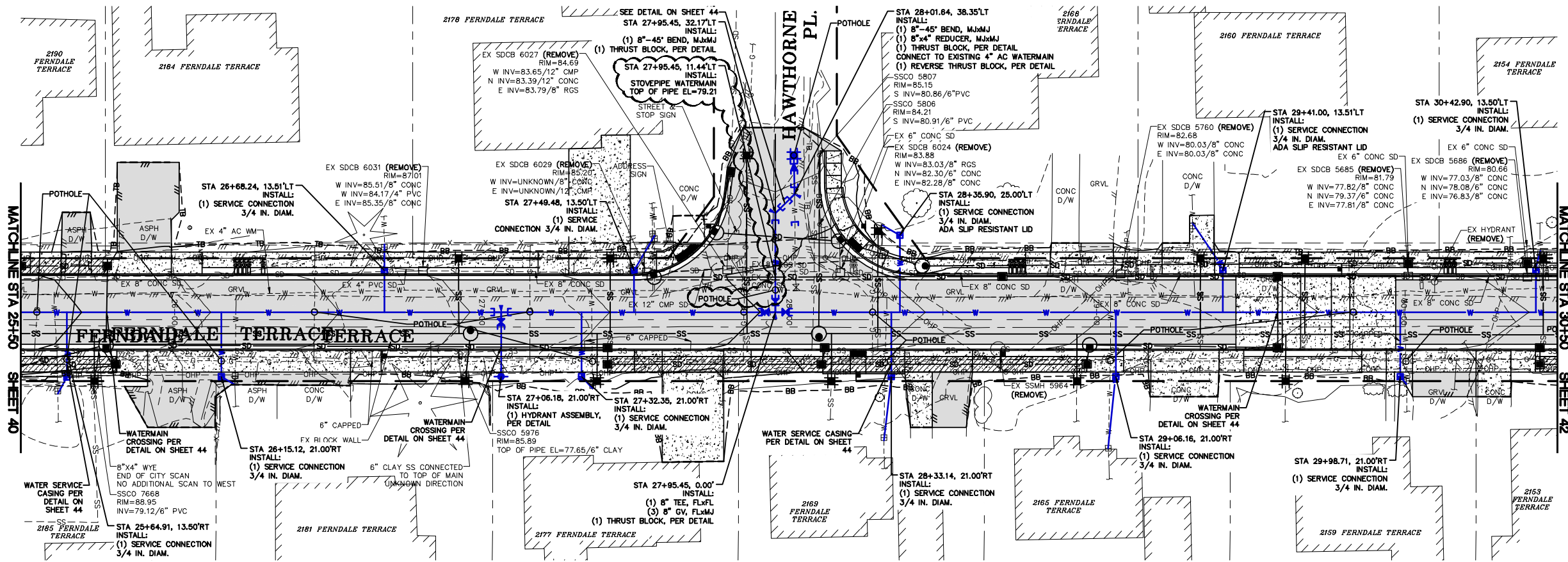
- NOTE:
1. CONTRACTOR TO POTHOLE AT EACH SPECIFIED LOCATION FIVE (5) WORKING DAYS PRIOR TO PLANNED INSTALLATION TO VERIFY LOCATION, PIPE LOCATION, DEPTH, SIZE, MATERIAL, AND ALL OTHER ITEMS NEEDED FOR THE CONNECTION.
  2. CONTRACTOR SHALL POTHOLE THE WATER CONNECTIONS A MINIMUM OF FIFTEEN (15) WORKING DAYS PRIOR TO A PLANNED WATER SHUT-OFF TO VERIFY LAYOUT, PIPE LOCATION, DEPT, SIZE, MATERIAL, AND ALL OTHER ITEMS NEEDED FOR THE CONNECTION.
  3. ALL REVERSE THRUST BLOCKS SHALL BE POURED A MINIMUM OF FIVE (5) DAYS PRIOR TO A PLANNED CONNECTION.



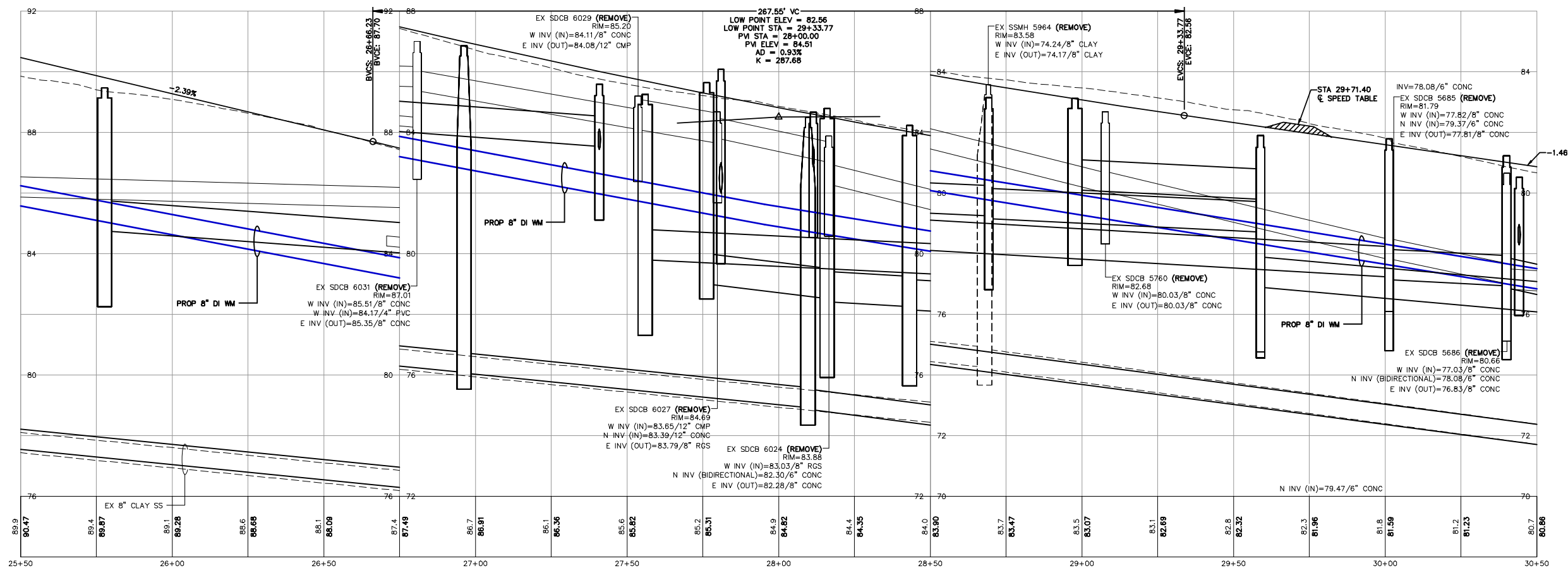
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| <b>CONSTRUCTION SET</b> | DESIGNED BY<br>GS/LMH | <b>R&amp;E Reichhardt &amp; Ebe ENGINEERING INC</b><br>P.O. Box 978   423 Front Street<br>Lynden, WA 98264 (360) 354-3687 | 3   | 1/31/25 | ADDENDUM 3  | LP | CITY OF FERDALE<br>2095 MAIN ST<br>FERDALE, WA 98248 | FERDALE TERRACE PROJECT<br>HENDRICKSON AVENUE TO VISTA DRIVE<br>WATER PLAN - STA 20+50 TO 25+50 | DWG 18023 WATER                 | DATE 1/31/25 |
|                         | DRAWN BY<br>GS/LMH    |                                                                                                                           | 1   | 1/17/25 | ADDENDUM 1  | GS |                                                      |                                                                                                 | JOB# 18023                      | SHEET 40     |
|                         | CHECKED BY<br>LP      |                                                                                                                           | NO. | DATE    | DESCRIPTION | BY |                                                      |                                                                                                 | SCALE<br>H: 1" = 20' V: 1" = 2' | of 85        |
|                         |                       |                                                                                                                           |     |         |             |    |                                                      |                                                                                                 |                                 |              |







- NOTE:
1. CONTRACTOR TO POTHOLE AT EACH SPECIFIED LOCATION FIVE (5) WORKING DAYS PRIOR TO PLANNED INSTALLATION TO VERIFY LAYOUT, PIPE LOCATION, DEPTH, SIZE, MATERIAL, AND ALL OTHER ITEMS NEEDED FOR THE CONNECTION.
  2. CONTRACTOR SHALL POTHOLE THE WATER CONNECTIONS A MINIMUM OF FIFTEEN (15) WORKING DAYS PRIOR TO A PLANNED WATER SHUT-OFF TO VERIFY LAYOUT, PIPE LOCATION, DEPT, SIZE, MATERIAL, AND ALL OTHER ITEMS NEEDED FOR THE CONNECTION.
  3. ALL REVERSE THRUST BLOCKS SHALL BE POURED A MINIMUM OF FIVE (5) DAYS PRIOR TO A PLANNED CONNECTION.



# CONSTRUCTION SET

DESIGNED BY  
GS/LMH  
DRAWN BY  
GS/LMH  
CHECKED BY  
LP

**R&E** Reichhardt & Ebe  
ENGINEERING INC  
P.O. Box 978 | 423 Front Street  
Lynden, WA 98264 (360) 354-3687

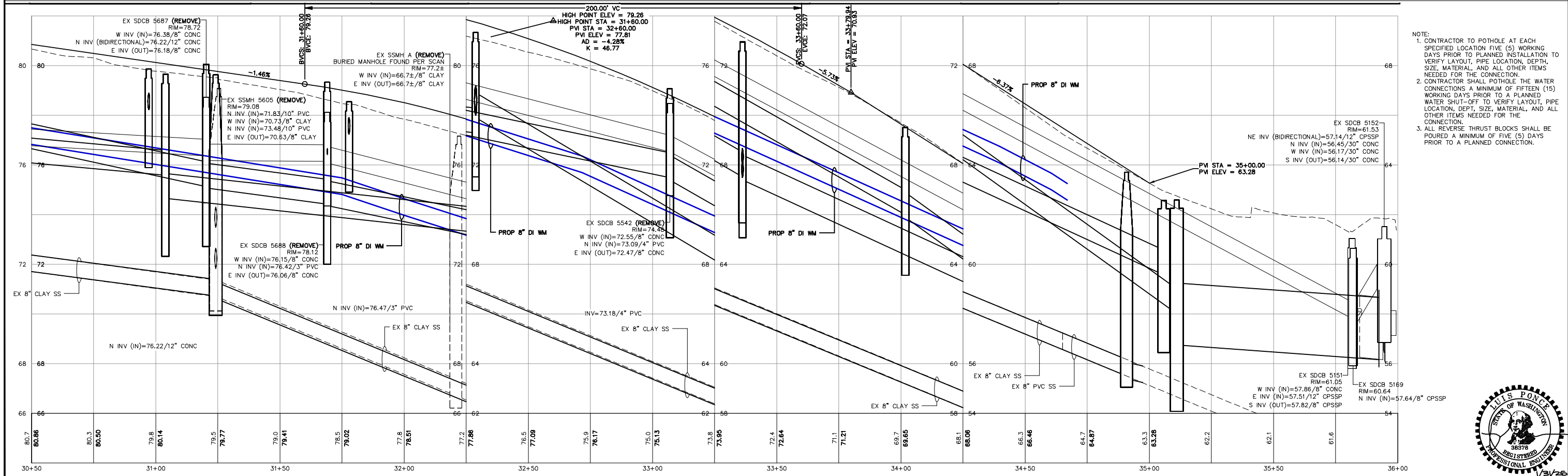
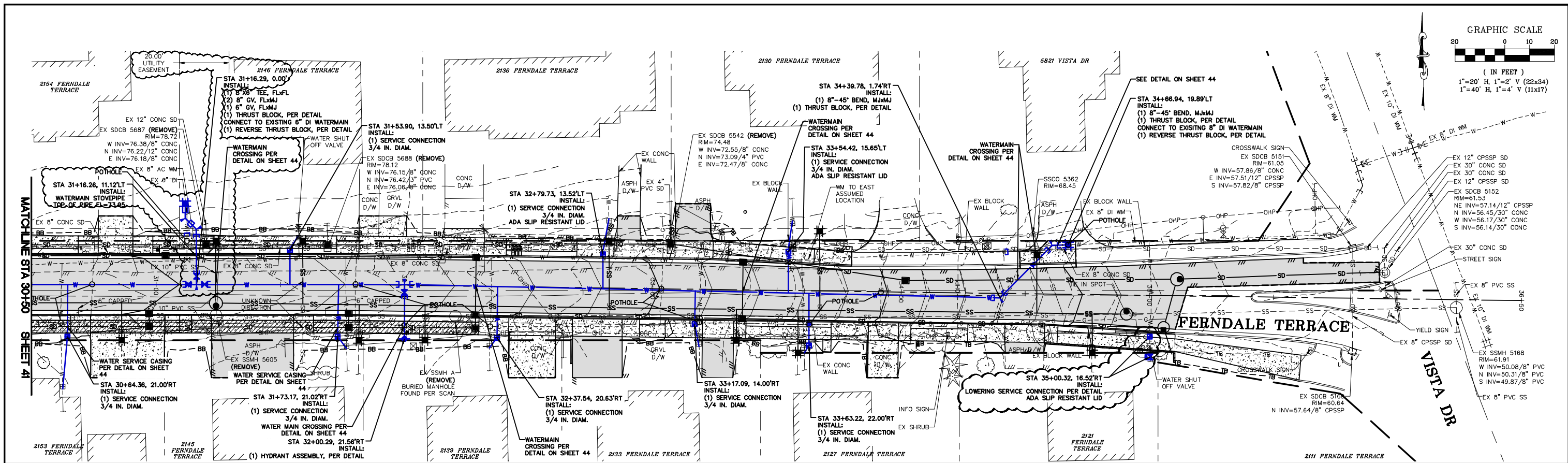
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|-----|---------|-------------|----|
| 3   | 1/31/25 | ADDENDUM 3  | LP |
| 1   | 1/17/25 | ADDENDUM 1  | GS |
| NO. | DATE    | DESCRIPTION | BY |

CITY OF FERDALE  
2095 MAIN ST  
FERDALE, WA 98248

FERDALE TERRACE PROJECT  
HENDRICKSON AVENUE TO VISTA DRIVE  
WATER PLAN - STA 25+50 TO 30+50

|       |                        |       |         |
|-------|------------------------|-------|---------|
| DWG   | 18023 WATER            | DATE  | 1/31/25 |
| JOB#  | 18023                  | SHEET | 41      |
| SCALE | H: 1" = 20' V: 1" = 2' | of 85 |         |





CONSTRUCTION SET

DESIGNED BY  
GS/LMH  
DRAWN BY  
GS/LMH  
CHECKED BY  
LP

**R&E**

Reichhardt & Ebe

ENGINEERING INC

P.O. Box 978 | 423 Front Street  
Lynden, WA 98264 (360) 354-3687

|     |         |             |    |
|-----|---------|-------------|----|
| 3   | 1/31/25 | ADDENDUM 3  | LP |
| 1   | 1/17/25 | ADDENDUM 1  | GS |
| NO. | DATE    | DESCRIPTION | BY |

CITY OF FERDALE  
2095 MAIN ST  
FERDALE, WA 98248

FERDALE TERRACE PROJECT  
HENDRICKSON AVENUE TO VISTA DRIVE  
WATER PLAN - STA 30+50 TO 36+50

DWG 18023 WATER

JOB# 18023

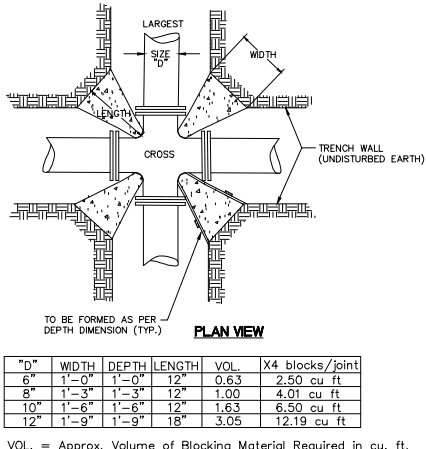
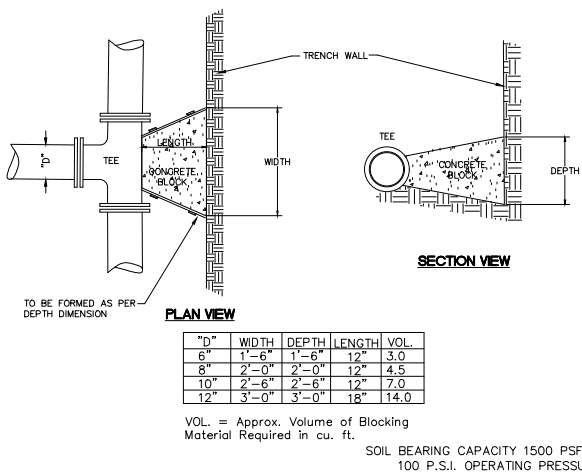
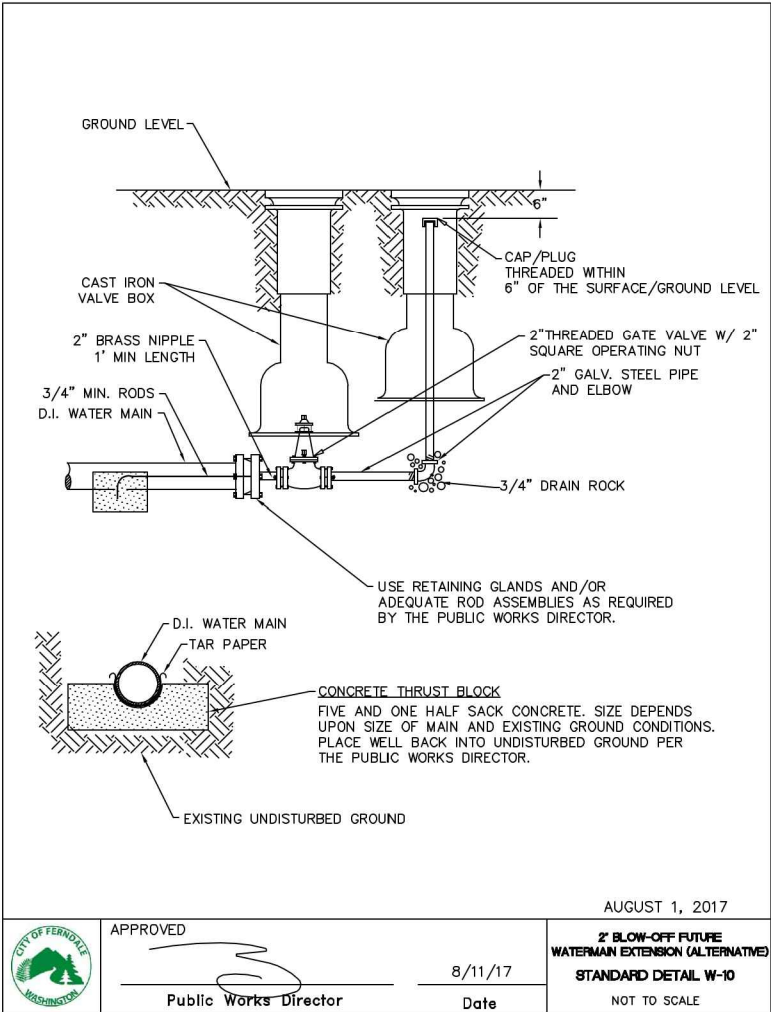
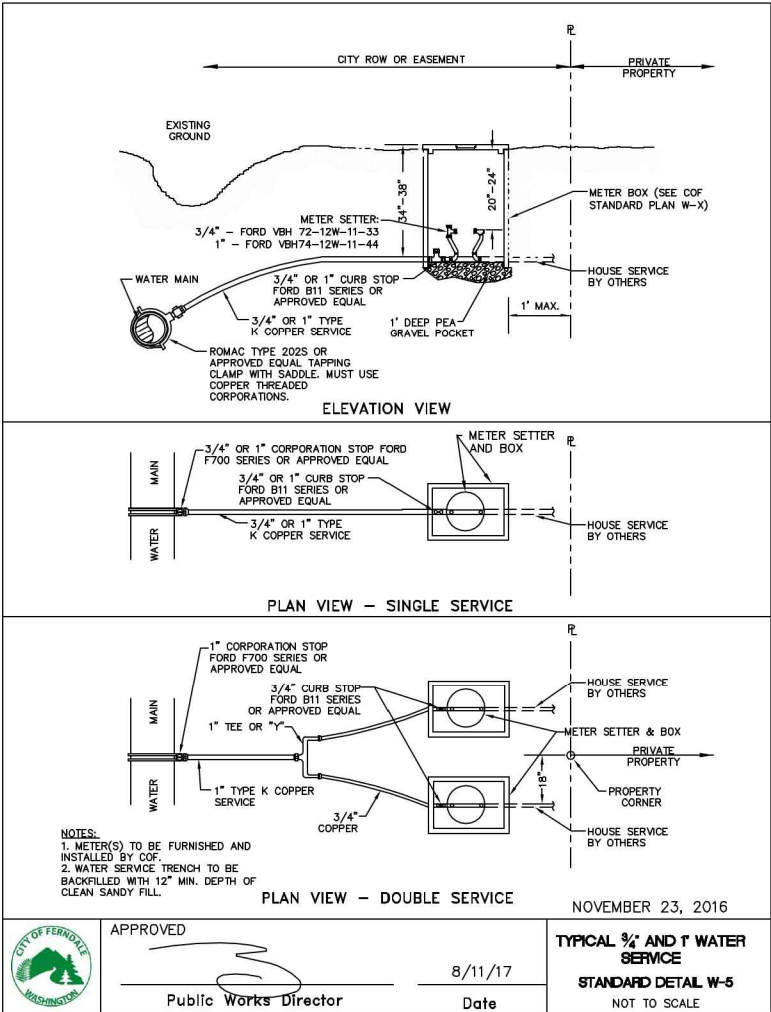
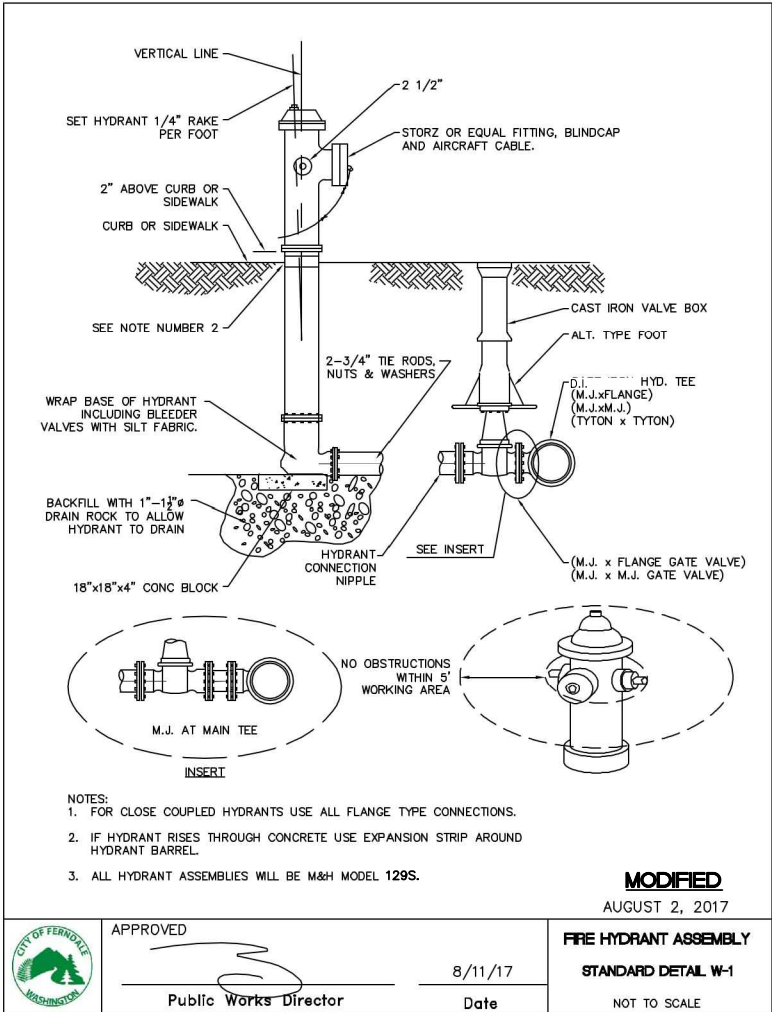
SCALE H: 1" = 20' V: 1" = 2'

DATE 1/31/25

SHEET 42 of 85

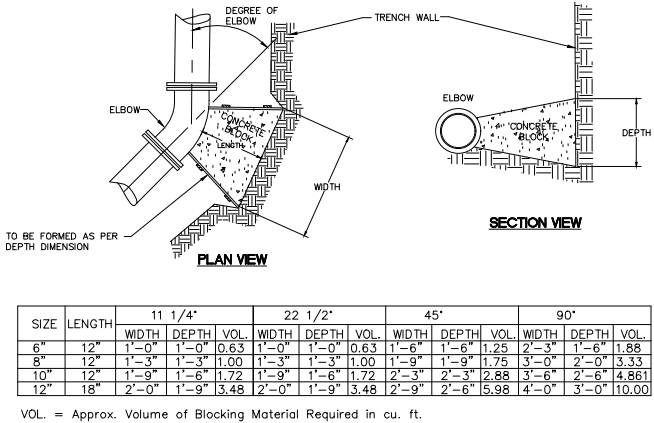
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### THRUST BLOCKING

NTS



## CONSTRUCTION SET

DESIGNED BY  
GS/LMH  
DRAWN BY  
GS/LMH  
CHECKED BY  
LP

**R&E** Reichhardt & Ebe  
ENGINEERING INC  
P.O. Box 978 | 423 Front Street  
Lynden, WA 98264 (360) 354-3687

| NO. | DATE | DESCRIPTION | BY |
|-----|------|-------------|----|
|     |      |             |    |
|     |      |             |    |
|     |      |             |    |

CITY OF FERNDALE  
2095 MAIN ST  
FERNDALE, WA 98248

FERNDALE TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
WATER DETAILS (I)

DWG 18023 DETAILS  
JOB# 18023

SCALE  
H: N/A V: N/A

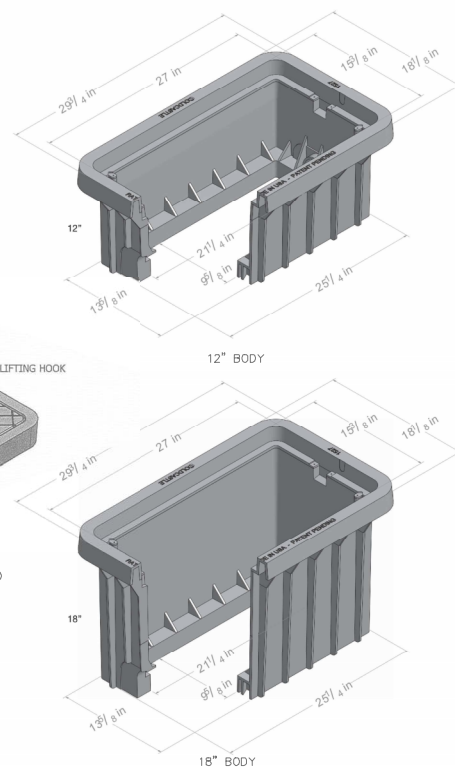
DATE  
12/17/24  
SHEET  
43  
of 85



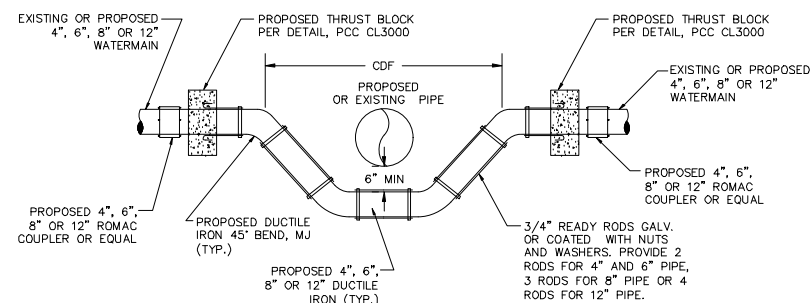


Diagram of a rectangular metal plate with the following labeled features:

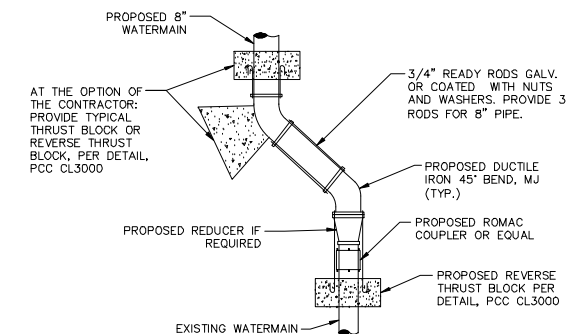
- NON-SKID GROOVE 1/32" DEEP X 1/16" WIDE TYP
- LIFTING HOOK
- 2" HOLE CENTERED 7" FROM EDGE



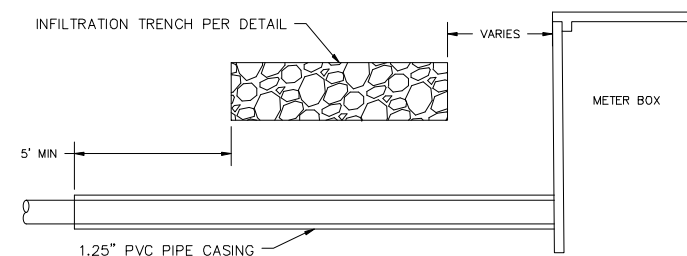
### 3/4" AND 1" WATER METER BOX



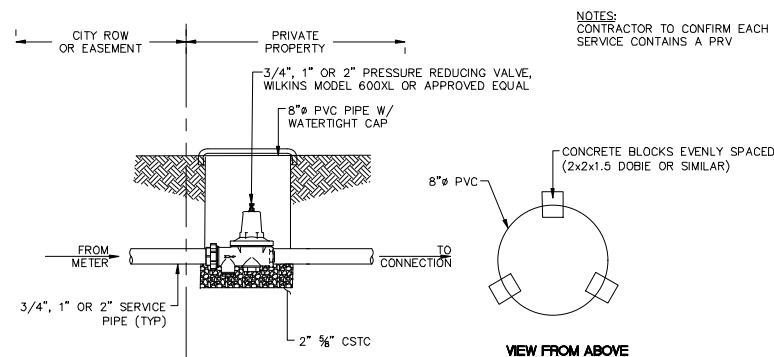
# WATERMAIN STOVEPIPE



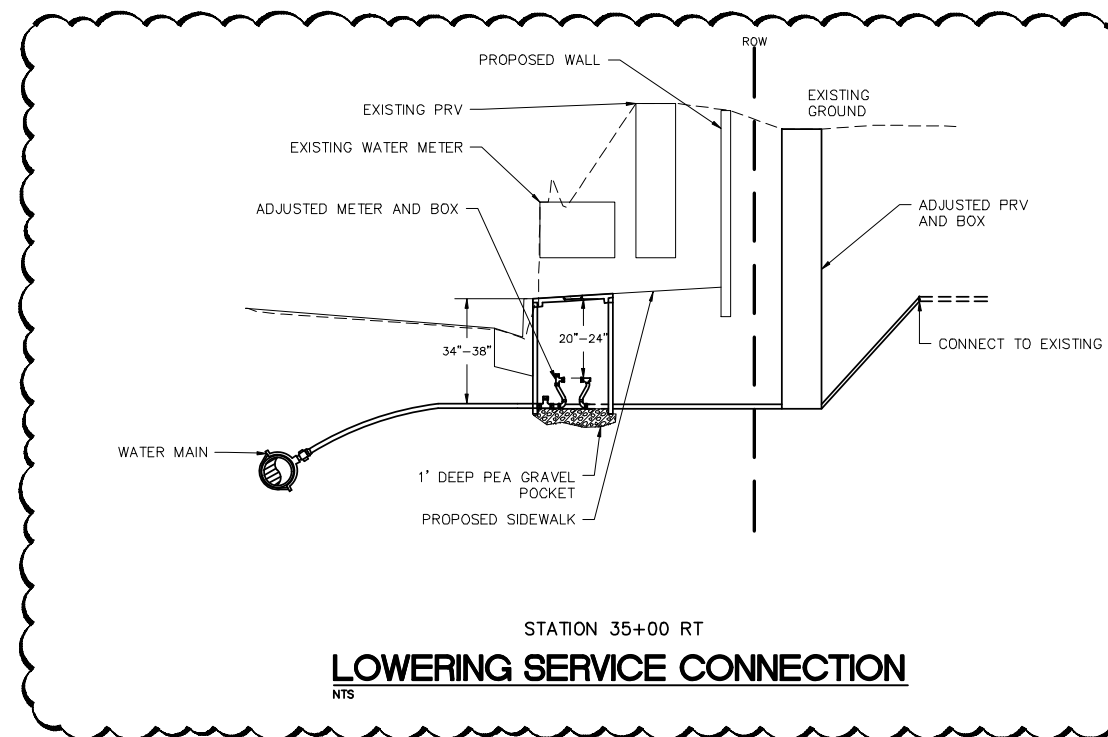
## WATER MAIN CONNECTION DETAIL



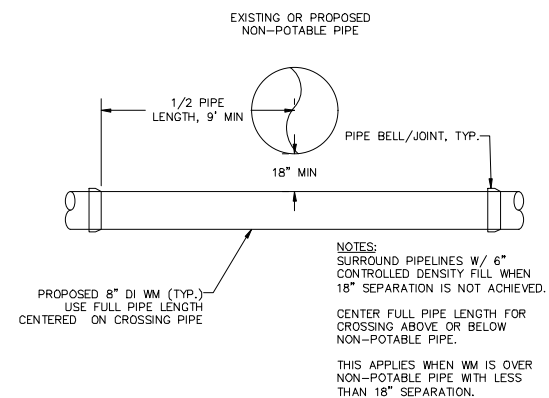
## SERVICE CONNECTION WITH CASING



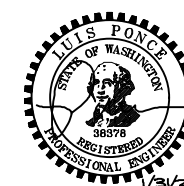
## PRESSURE REDUCING VALVE DETAIL



## LOWERING SERVICE CONNECTION



# WATERMAIN CROSSING NON-POTABLE PIPE



## CONSTRUCTION SET

|             |        |
|-------------|--------|
| DESIGNED BY | GS/LMH |
| DRAWN BY    | GS/LMH |
| CHECKED BY  | LP     |



**R&E** **Reichhardt & Ebe**  
**ENGINEERING INC**  
P.O. Box 978 | 423 Front Street  
Lynden, WA 98264 (360) 354-3687

|     |         |             |    |
|-----|---------|-------------|----|
| 3   | 1/31/25 | ADDENDUM 3  | LP |
| 1   | 1/17/25 | ADDENDUM 1  | GS |
| NO. | DATE    | DESCRIPTION | BY |

CITY OF FERNDALE  
2095 MAIN ST  
FERNDALE, WA 98248

**FERNDALE TERRACE PROJECT**  
**HENDRICKSON AVENUE TO VISTA DRIVE**  
**WATER DETAILS (2)**

DWG 18023 DETAILS

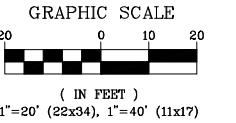
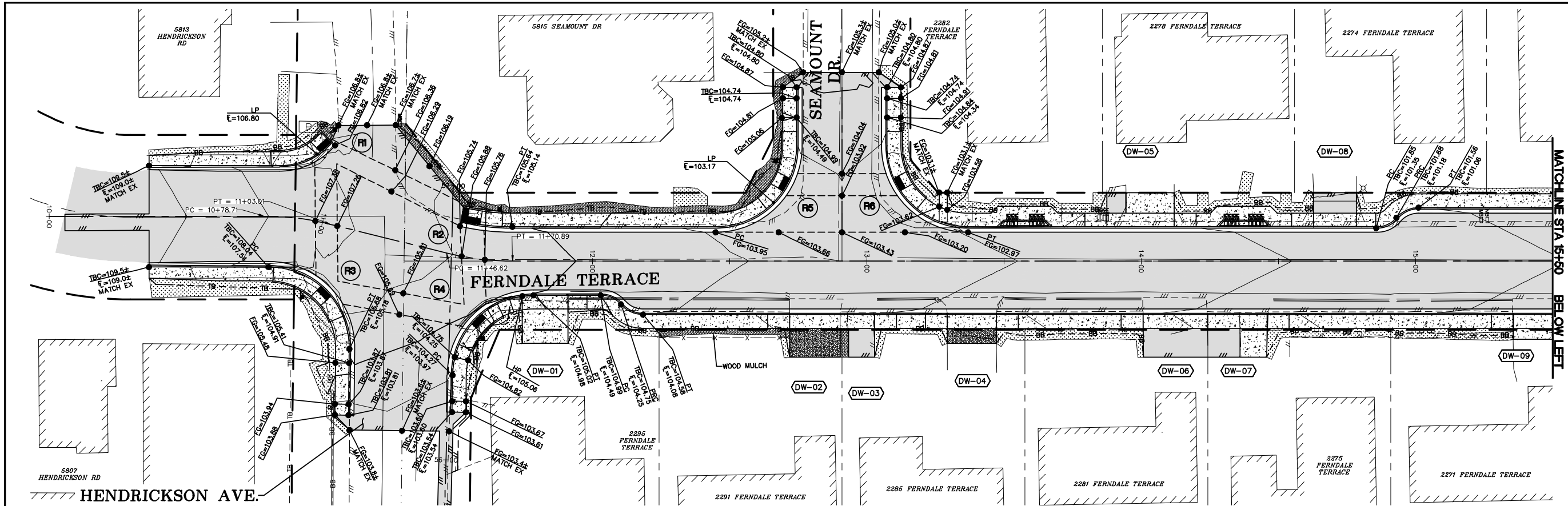
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|------|--|
| JOB# |  |
|------|--|

SCALE  
H: **N/A**

v: N/A

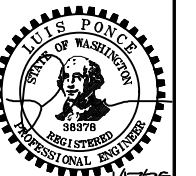
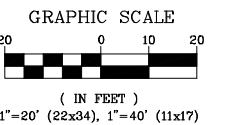
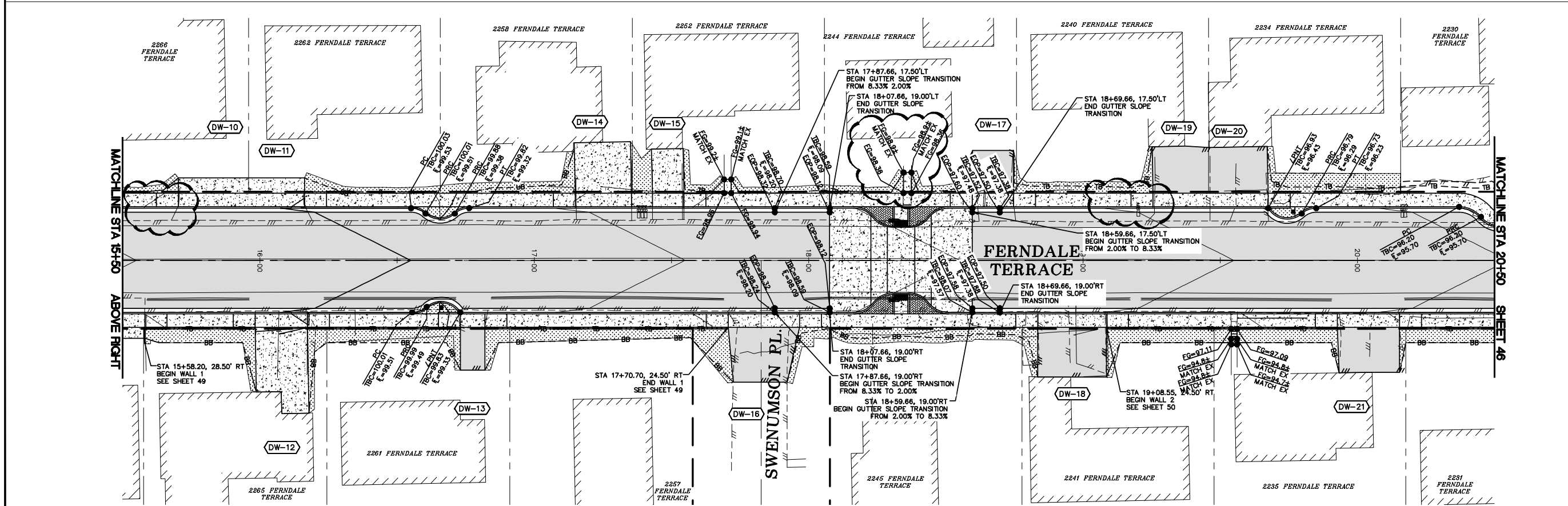
DATE \_\_\_\_\_

SHEET 44  
of 85

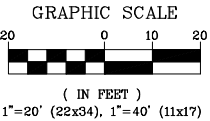
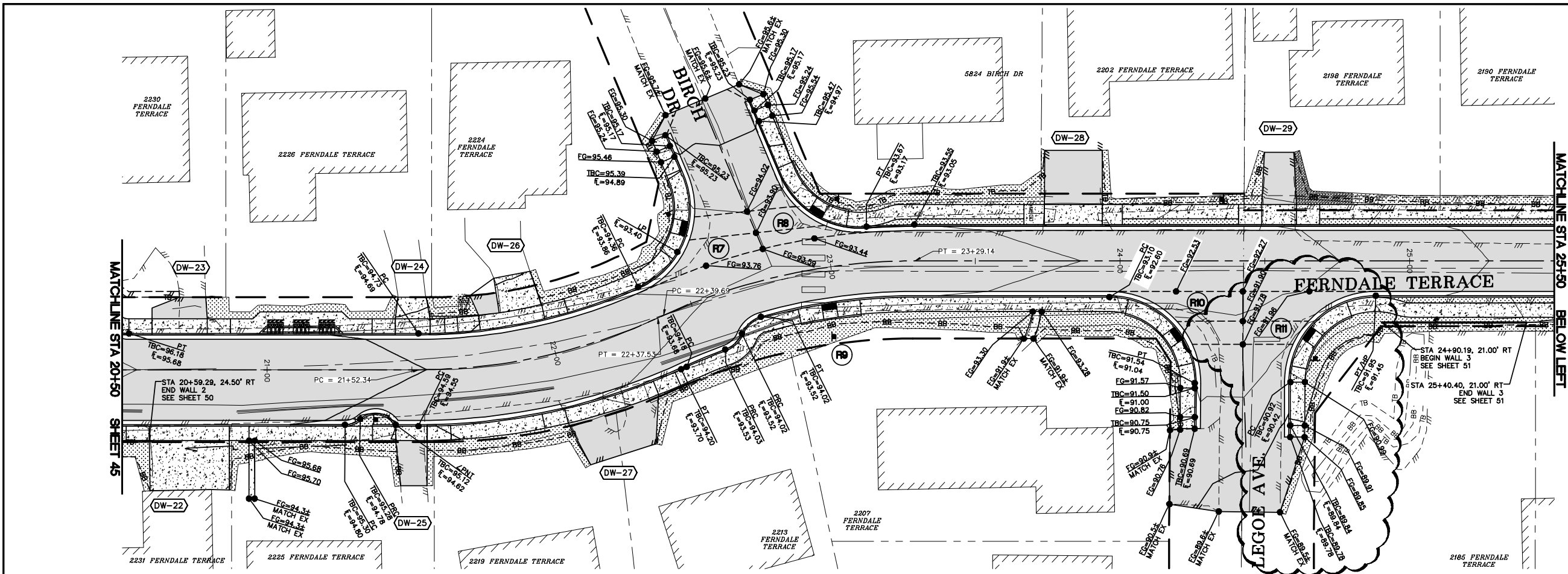


LEGEND

- = CURB RAMP
- = DRIVEWAY
- SEE SHEET 52 - 56 FOR CURB RAMP DETAILS
- SEE SHEET 57 - 70 FOR DRIVEWAY GRADING DETAILS

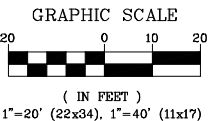
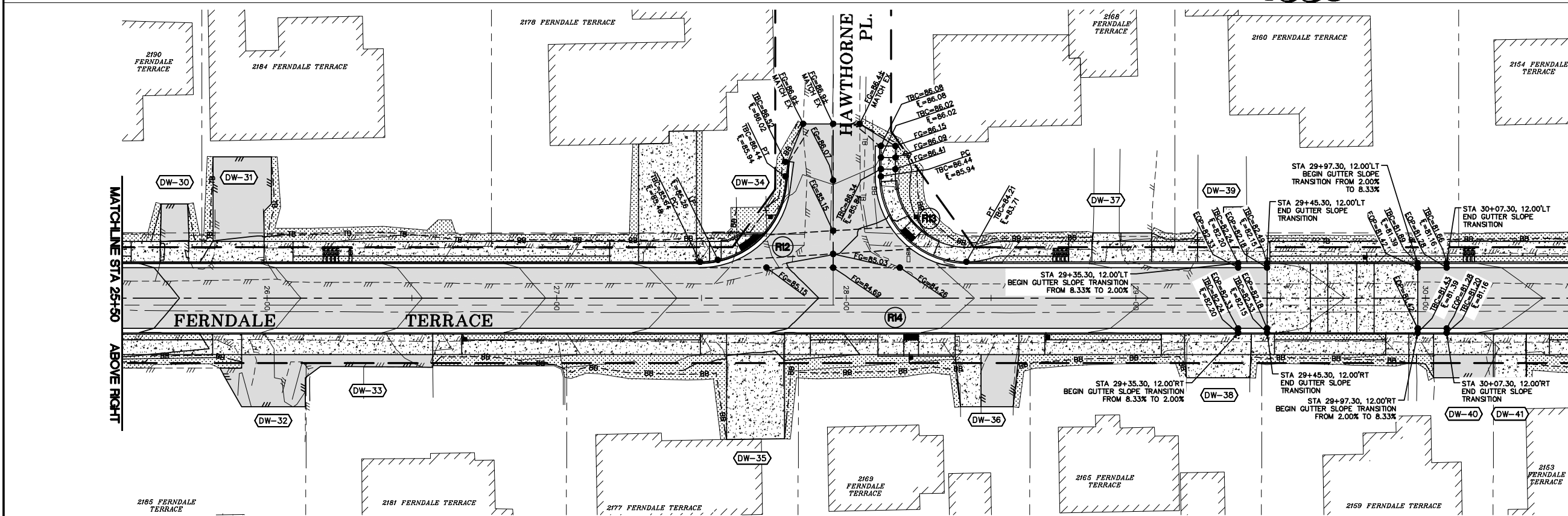


|                         |  |                       |                                                                                                                      |     |         |             |  |    |  |                                                      |                                                                                                   |                 |                             |                   |  |
|-------------------------|--|-----------------------|----------------------------------------------------------------------------------------------------------------------|-----|---------|-------------|--|----|--|------------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------|-----------------------------|-------------------|--|
| <b>CONSTRUCTION SET</b> |  | DESIGNED BY<br>GS/LMH | <b>Reichhardt &amp; Ebe</b><br>ENGINEERING INC<br>P.O. Box 978   423 Front Street<br>Lynden, WA 98264 (360) 354-3687 |     |         |             |  |    |  | CITY OF FERDALE<br>2095 MAIN ST<br>FERDALE, WA 98248 | FERDALE TERRACE PROJECT<br>VISTA DRIVE TO HENDRICKSON AVENUE<br>GRADING PLAN - STA 10+00 TO 20+50 | DWG 18023 GRADE |                             | DATE<br>1/17/25   |  |
|                         |  | DRAWN BY<br>GS/LMH    |                                                                                                                      | 1   | 1/17/25 | ADDENDUM 1  |  | GS |  |                                                      |                                                                                                   | JOB#<br>18023   | SCALE<br>H: 1" = 20' V: N/A | SHEET<br>45 of 85 |  |
|                         |  | CHECKED BY<br>LP      |                                                                                                                      | NO. | DATE    | DESCRIPTION |  | BY |  |                                                      |                                                                                                   |                 |                             |                   |  |



LEGEND

- = CURB RAMP
- = DRIVEWAY
- SEE SHEET 52 - 56 FOR CURB RAMP DETAILS
- SEE SHEET 57 - 70 FOR DRIVEWAY GRADING DETAILS



CONSTRUCTION SET

DESIGNED BY  
GS/LMH  
DRAWN BY  
GS/LMH  
CHECKED BY  
LP

**R&E** Reichhardt & Ebe  
ENGINEERING INC  
P.O. Box 978 | 423 Front Street  
Lynden, WA 98264 (360) 354-3687

| NO. | DATE    | DESCRIPTION | BY |
|-----|---------|-------------|----|
| 1   | 1/17/25 | ADDENDUM 1  | GS |

CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

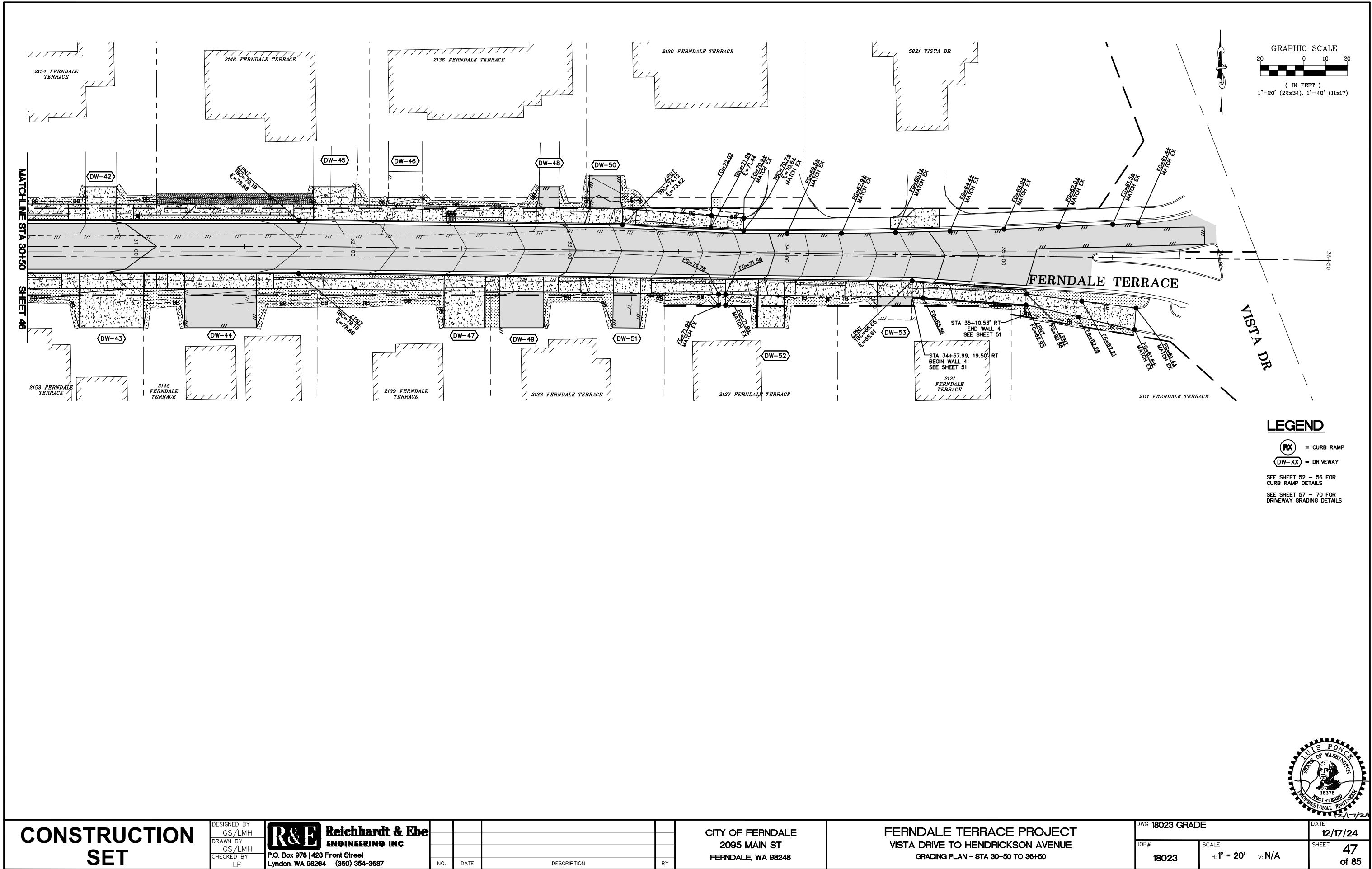
FERNDAL TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
GRADING PLAN - STA 20+50 TO 30+50

DWG 18023 GRADE  
JOB# 18023

SCALE: H: 1" = 20' V: N/A

DATE 1/17/25  
SHEET 46 of 85





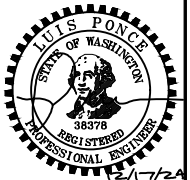
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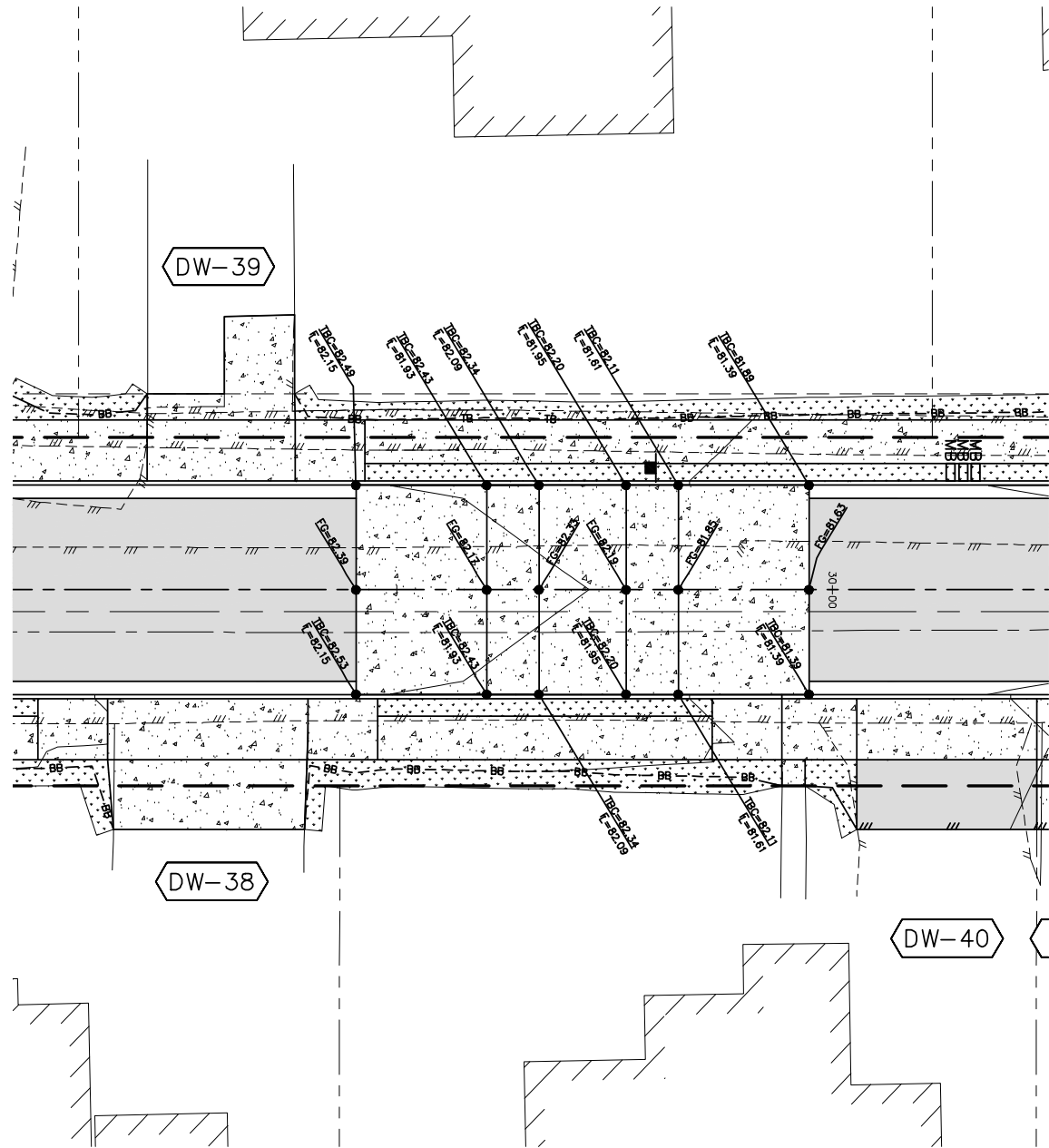
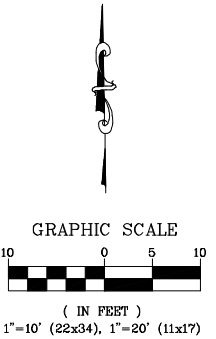
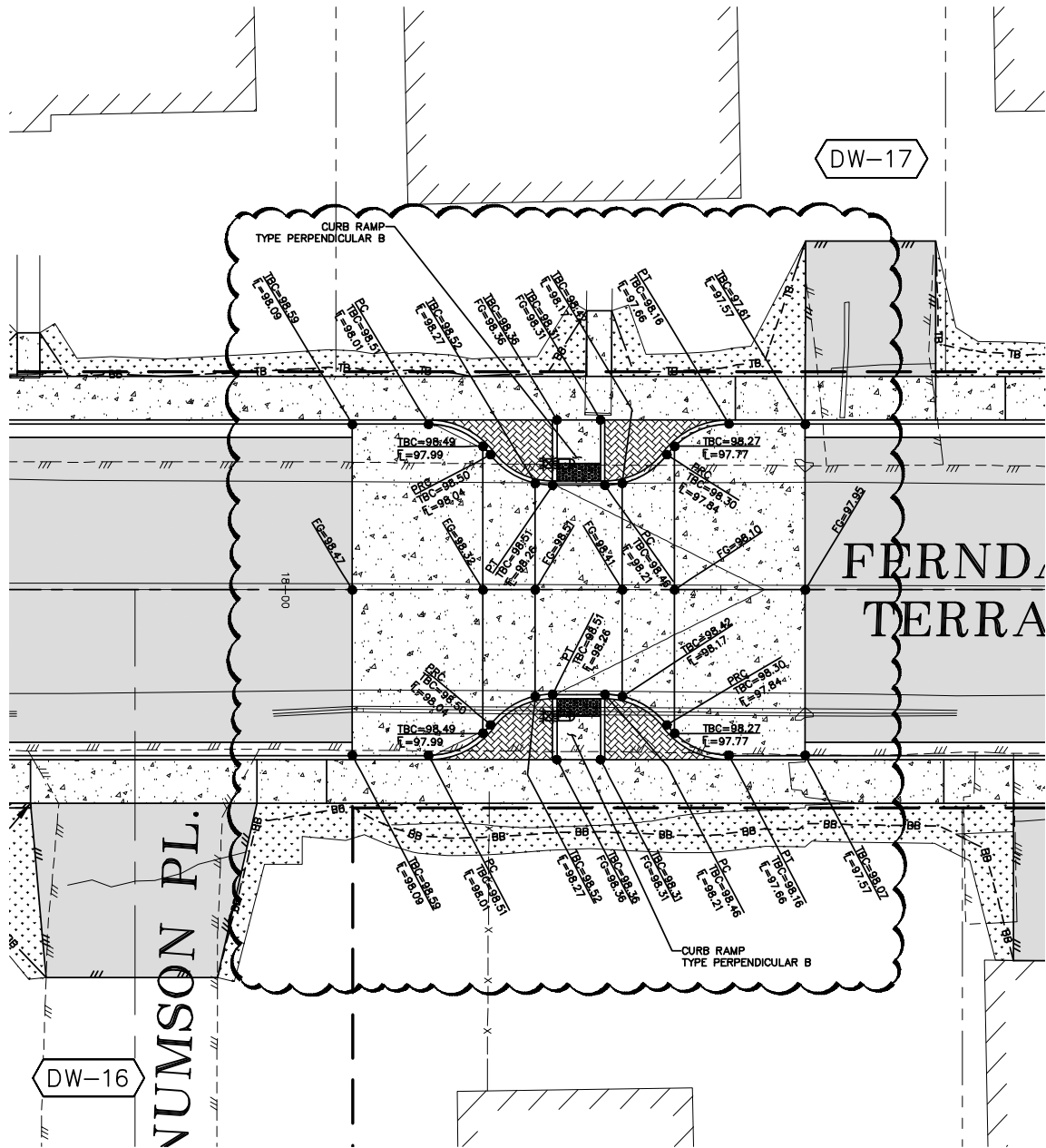
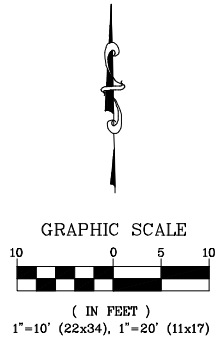
= DRIVEWAY

SEE SHEET 52 - 56 FOR CURB RAMP DETAILS

SEE SHEET 57 - 70 FOR DRIVEWAY GRADING DETAILS



|                  |                       |                                                                                                                                                                                                           |  |  |     |      |                                                      |                                                                                                   |                 |                                |                      |
|------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-----|------|------------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------|--------------------------------|----------------------|
| CONSTRUCTION SET | DESIGNED BY<br>GS/LMH |  <b>Reichhardt &amp; Ebe<br/>ENGINEERING INC</b><br>P.O. Box 978   423 Front Street<br>Lynden, WA 98264 (360) 354-3687 |  |  |     |      | CITY OF FERNDAL<br>2095 MAIN ST<br>FERNDAL, WA 98248 | FERNDAL TERRACE PROJECT<br>VISTA DRIVE TO HENDRICKSON AVENUE<br>GRADING PLAN - STA 30+50 TO 36+50 | DWG 18023 GRADE |                                | DATE<br>12/17/24     |
|                  | DRAWN BY<br>GS/LMH    |                                                                                                                                                                                                           |  |  |     |      |                                                      |                                                                                                   | JOB#<br>18023   | SCALE<br>H: 1" = 20'    V: N/A | SHEET<br>47<br>of 85 |
|                  | CHECKED BY<br>LP      |                                                                                                                                                                                                           |  |  |     |      |                                                      |                                                                                                   |                 |                                |                      |
|                  |                       |                                                                                                                                                                                                           |  |  | NO. | DATE |                                                      |                                                                                                   | DESCRIPTION     | BY                             |                      |



**CONSTRUCTION  
SET**

DESIGNED BY  
GS/LMH  
DRAWN BY  
GS/LMH  
CHECKED BY  
LP

**R&E** Reichhardt & Ebe  
ENGINEERING INC  
P.O. Box 978 | 423 Front Street  
Lynden, WA 98264 (360) 354-3687

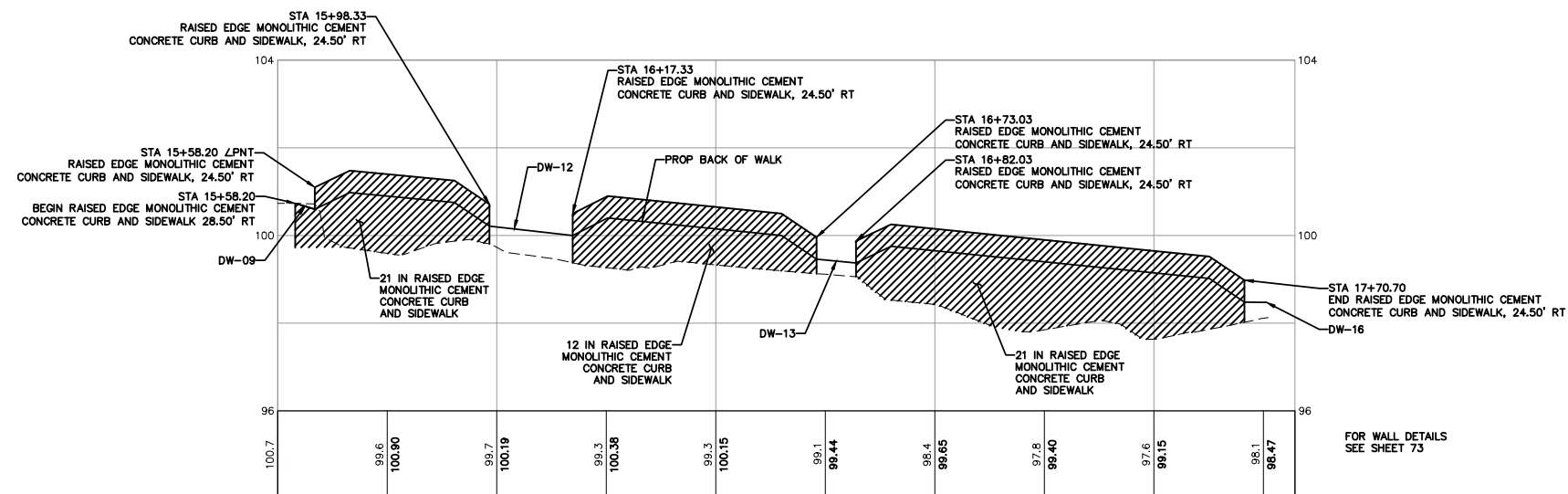
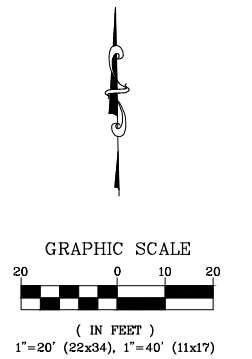
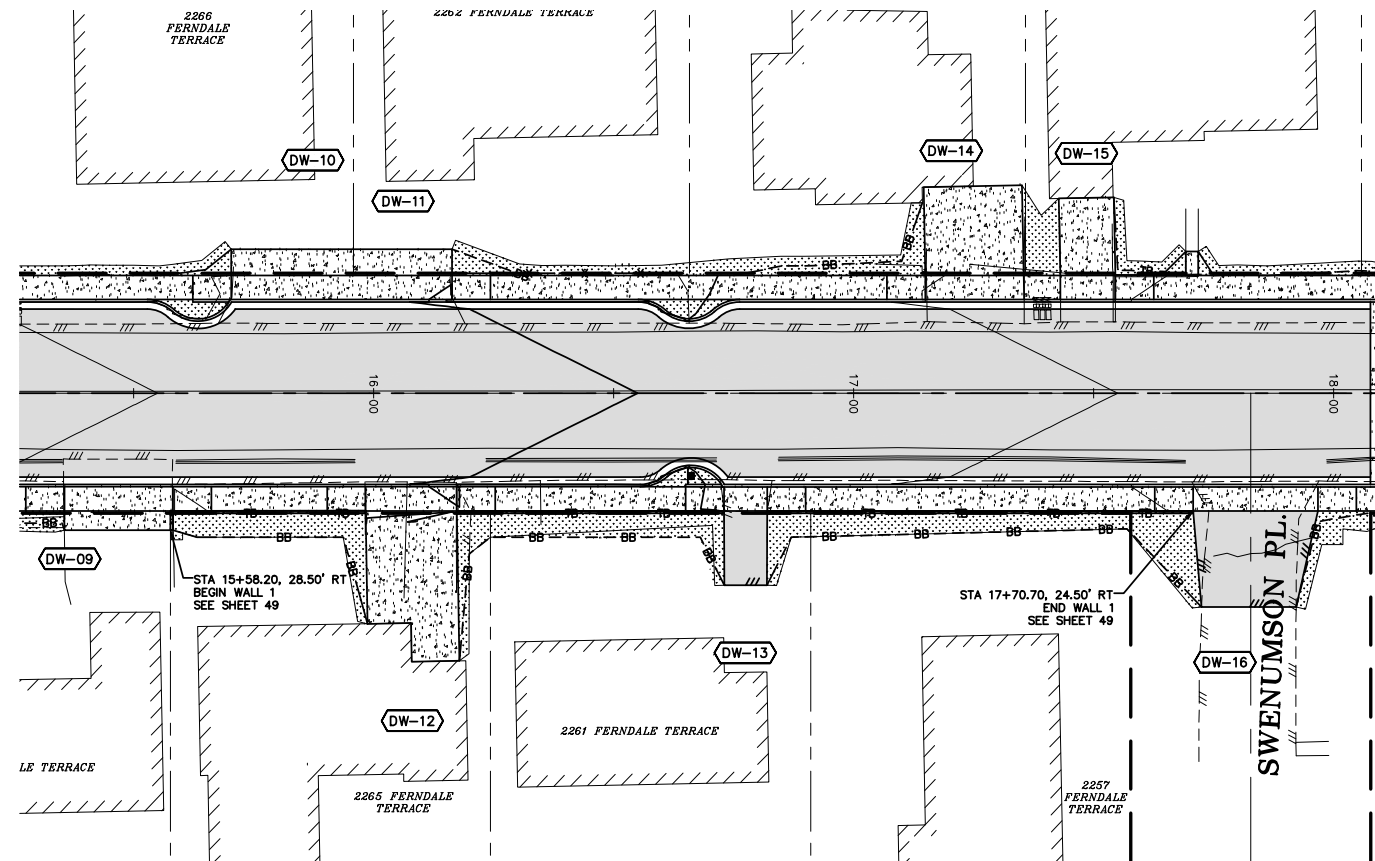
| NO. | DATE    | DESCRIPTION | BY |
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| 1   | 1/17/25 | ADDENDUM 1  | GS |

CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

FERNDAL TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
SPEED TABLE GRADING

|                          |                |
|--------------------------|----------------|
| DWG 18023 GRADE          | DATE 1/17/25   |
| JOB# 18023               | SHEET 48 of 85 |
| SCALE H: 1" = 10' V: N/A |                |





## CONSTRUCTION SET

|             |        |
|-------------|--------|
| DESIGNED BY | GS/LMH |
| DRAWN BY    | GS/LMH |
| CHECKED BY  | LP     |



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| NO. | DATE | DESCRIPTION | BY |

CITY OF FERNDALE  
2095 MAIN ST  
FERNDALE, WA 98248

FERNDALE TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
WALL 1 GRADING

DWG 18023 GRADE

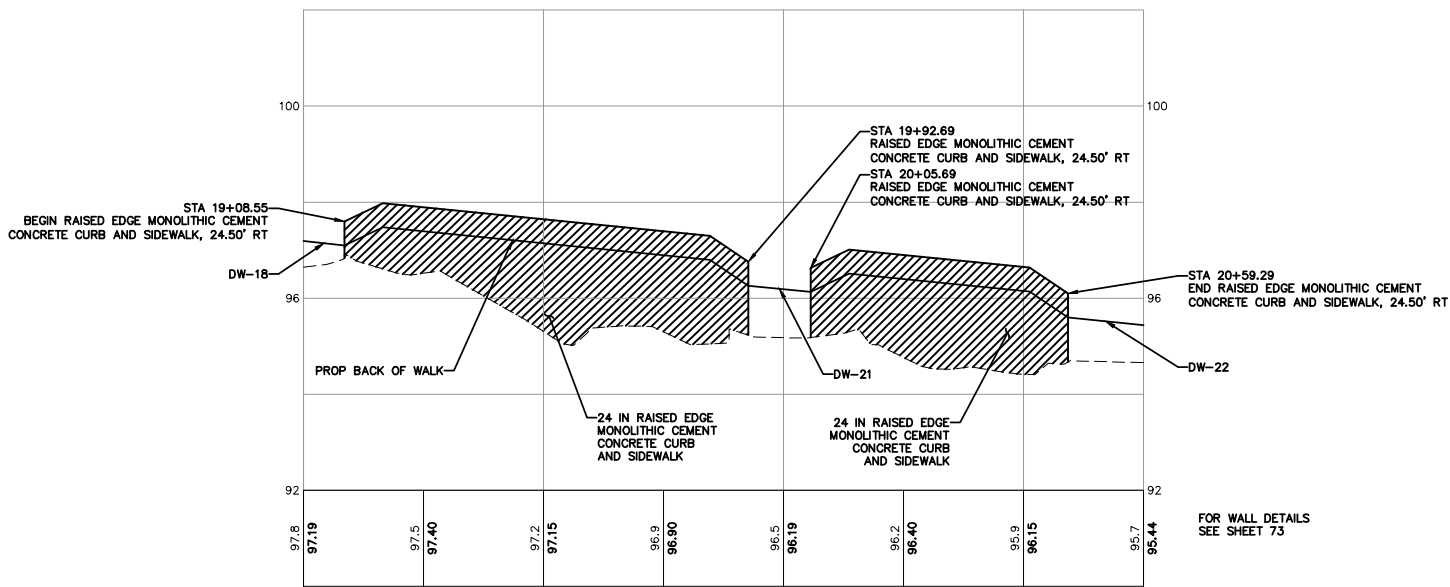
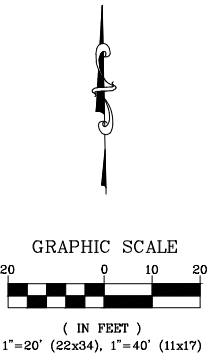
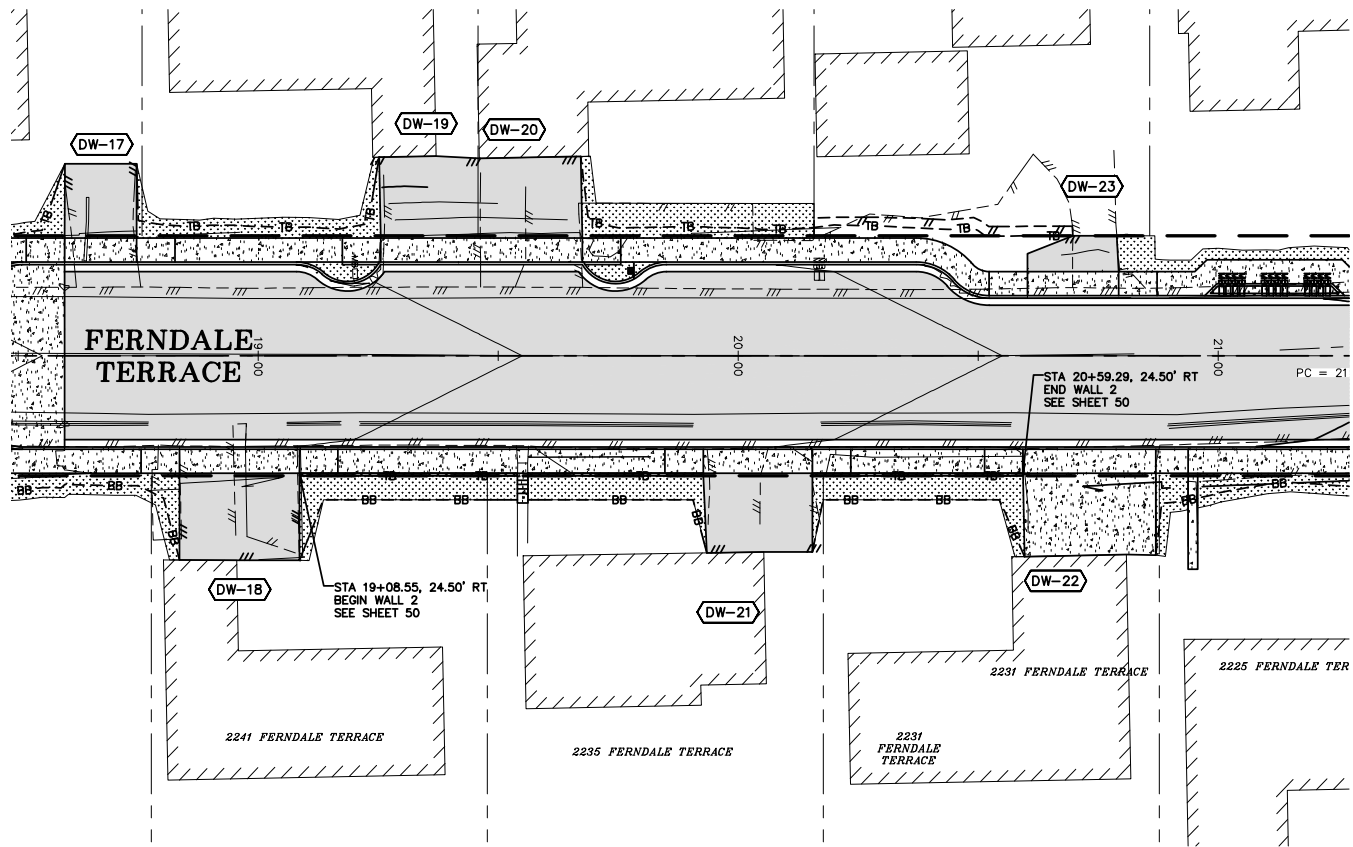
JOB#  
**18023**

SCALE  
H: 1" = 20'      V: 1" = 2'

DATE 12/1/21

SHEET **49**  
of 85





CONSTRUCTION SET

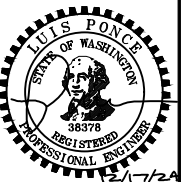
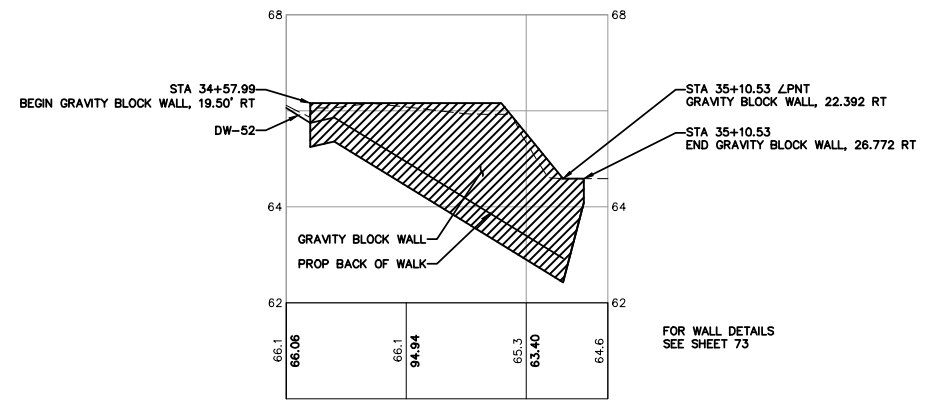
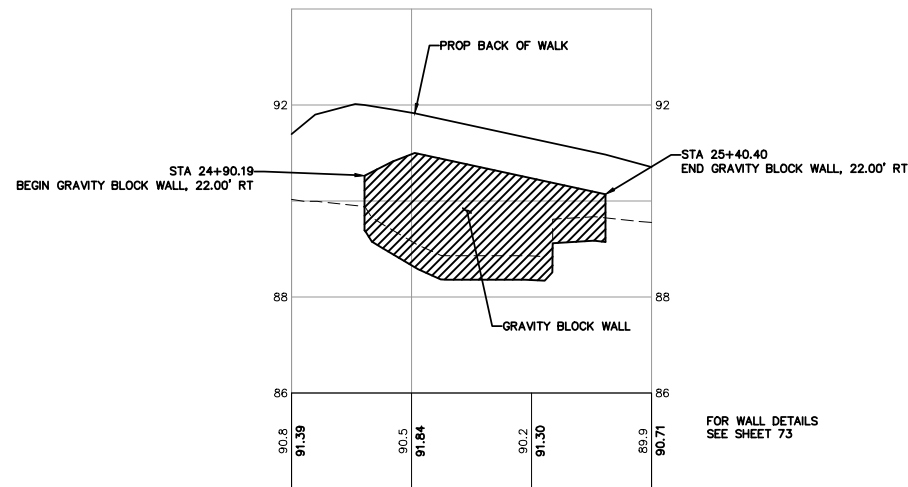
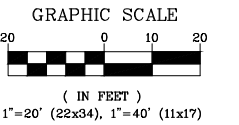
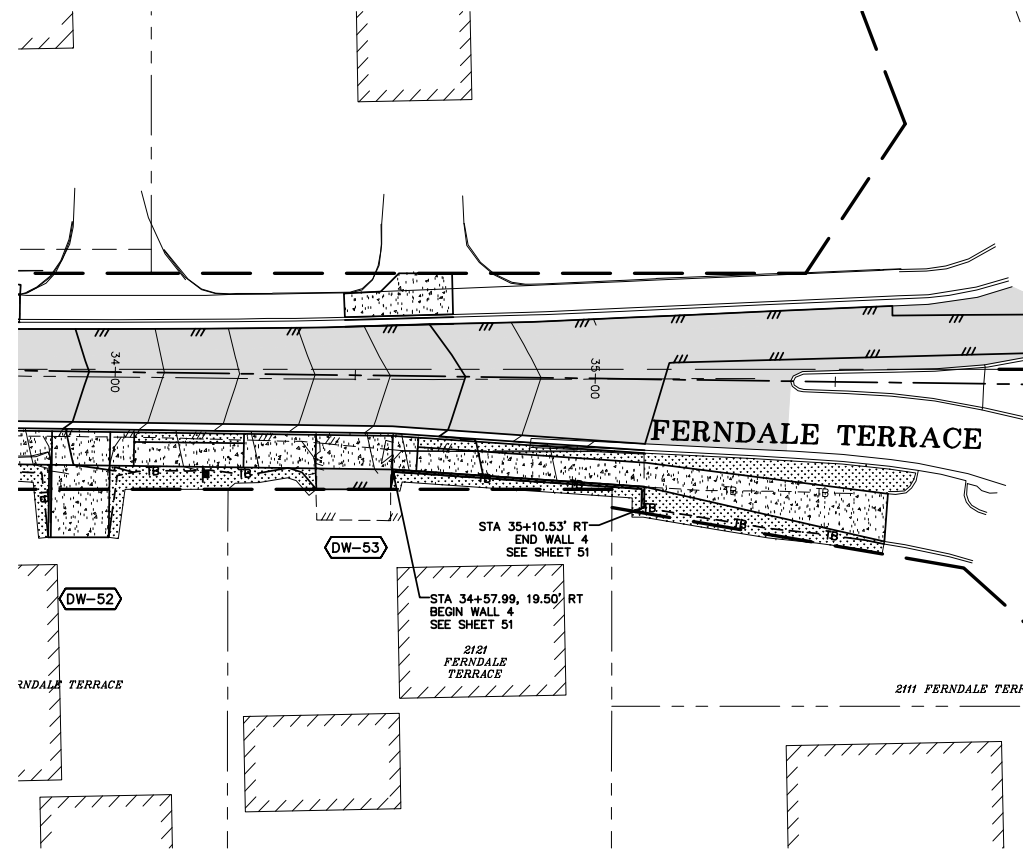
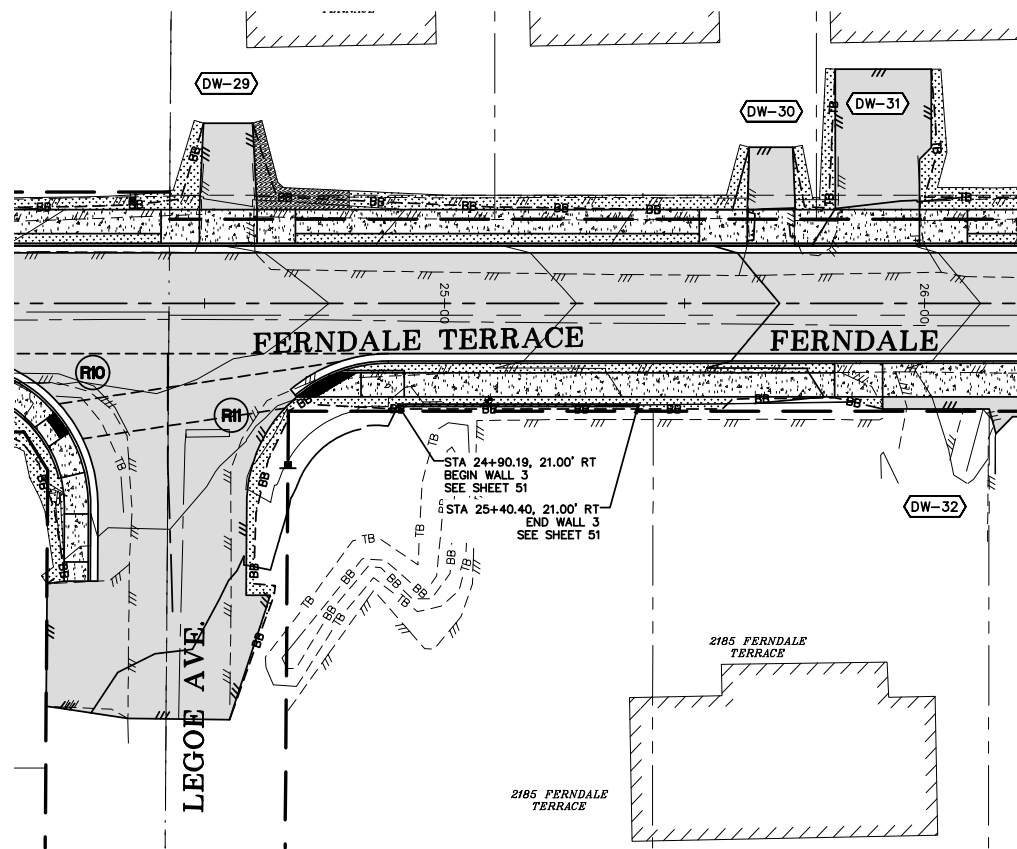
DESIGNED BY GS/LMH  
DRAWN BY GS/LMH  
CHECKED BY LP  
**R&E** Reichhardt & Ebe  
ENGINEERING INC  
P.O. Box 978 | 423 Front Street  
Lynden, WA 98264 (360) 354-3687

| NO. | DATE | DESCRIPTION | BY |
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CITY OF FERDALE  
2095 MAIN ST  
FERDALE, WA 98248

FERDALE TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
WALL 2 GRADING

|                 |                              |
|-----------------|------------------------------|
| DWG 18023 GRADE | DATE 12/17/24                |
| JOB# 18023      | SCALE H: 1" = 20' V: 1" = 2' |
|                 | SHEET 50 of 85               |



**CONSTRUCTION  
SET**

DESIGNED BY  
GS/LMH  
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GS/LMH  
CHECKED BY  
LP

**R&E** Reichhardt & Ebe  
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| NO. | DATE | DESCRIPTION | BY |
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|     |      |             |    |

CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

FERNDAL TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
WALL 3 AND 4 GRADING

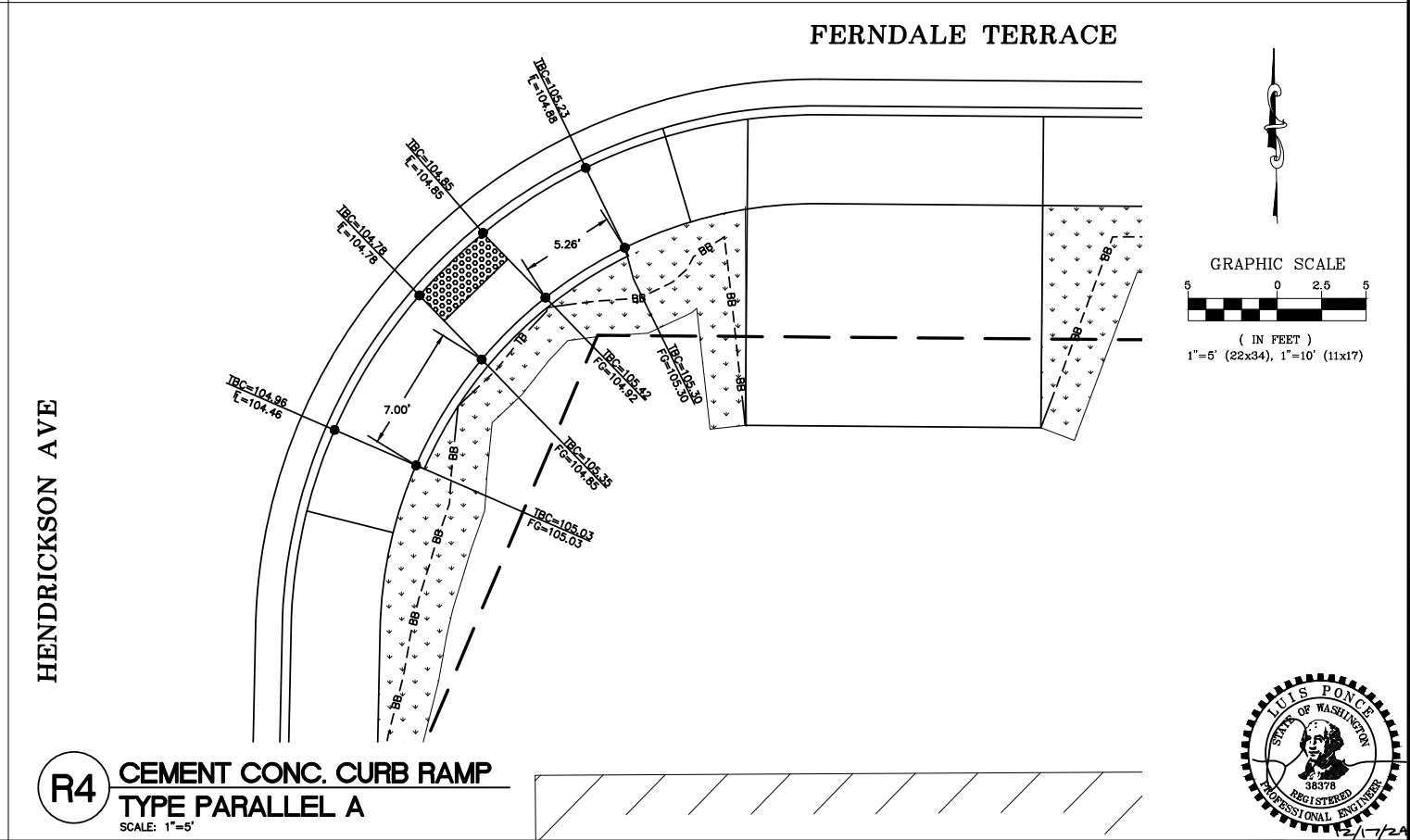
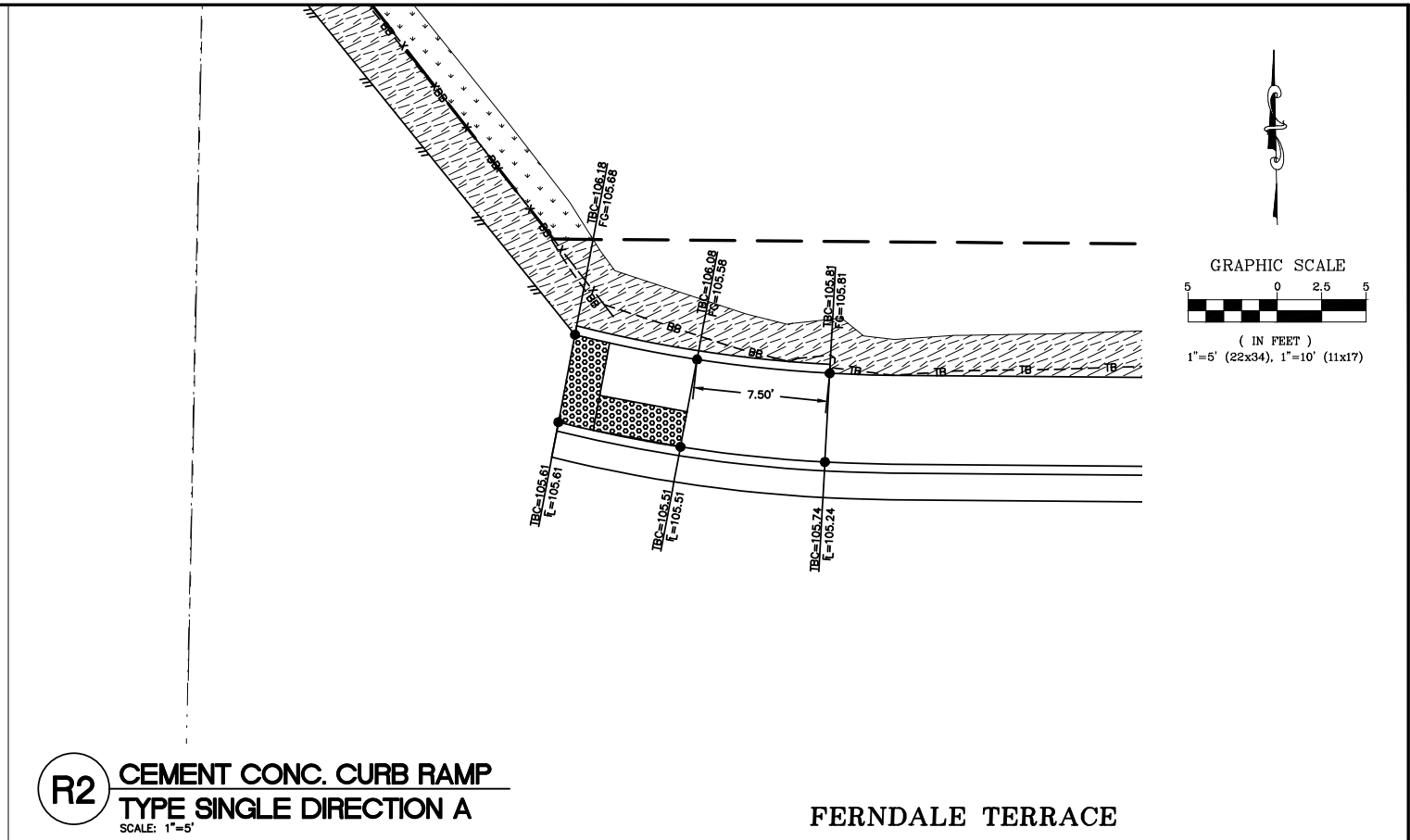
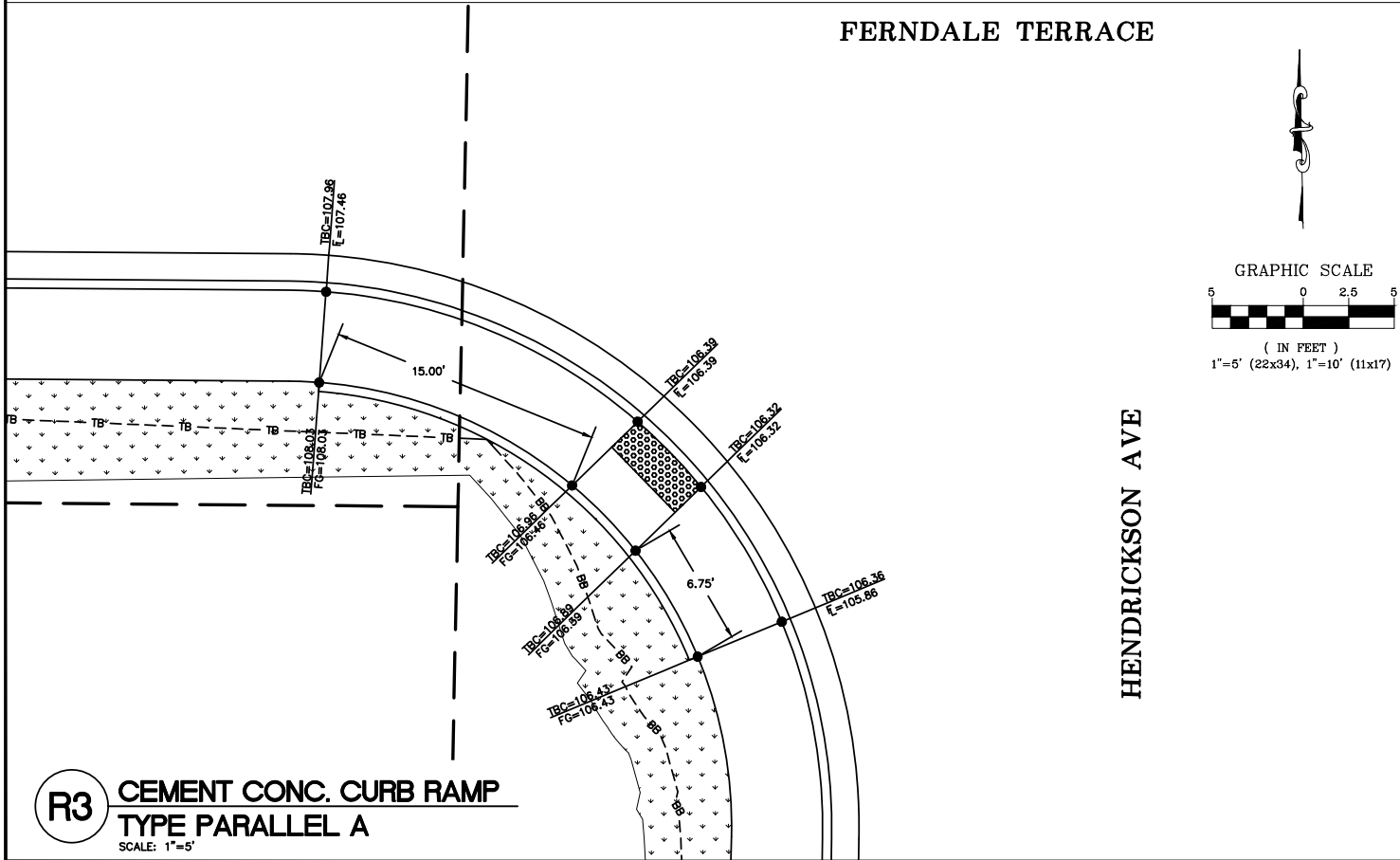
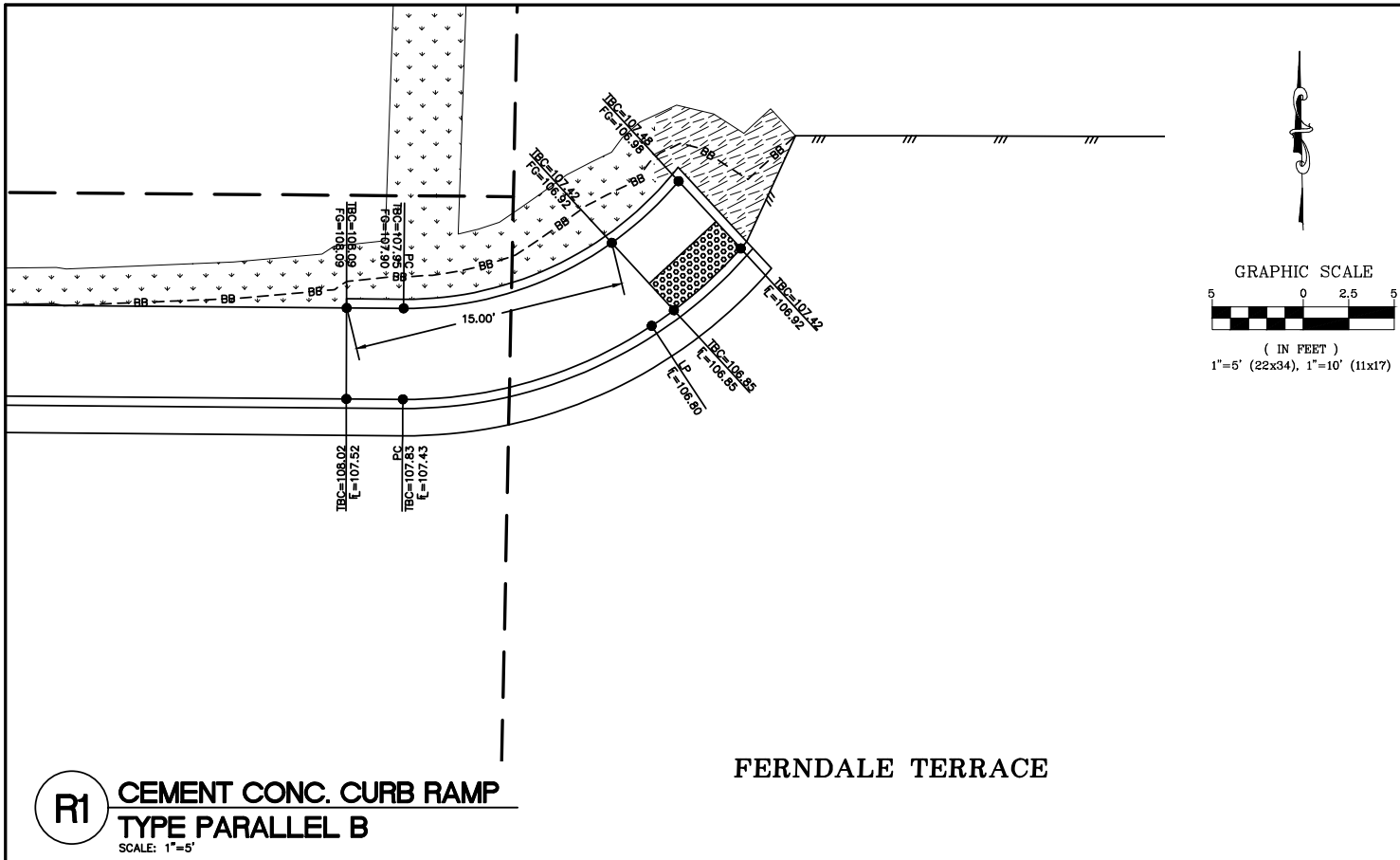
DWG 18023 GRADE

JOB#  
18023

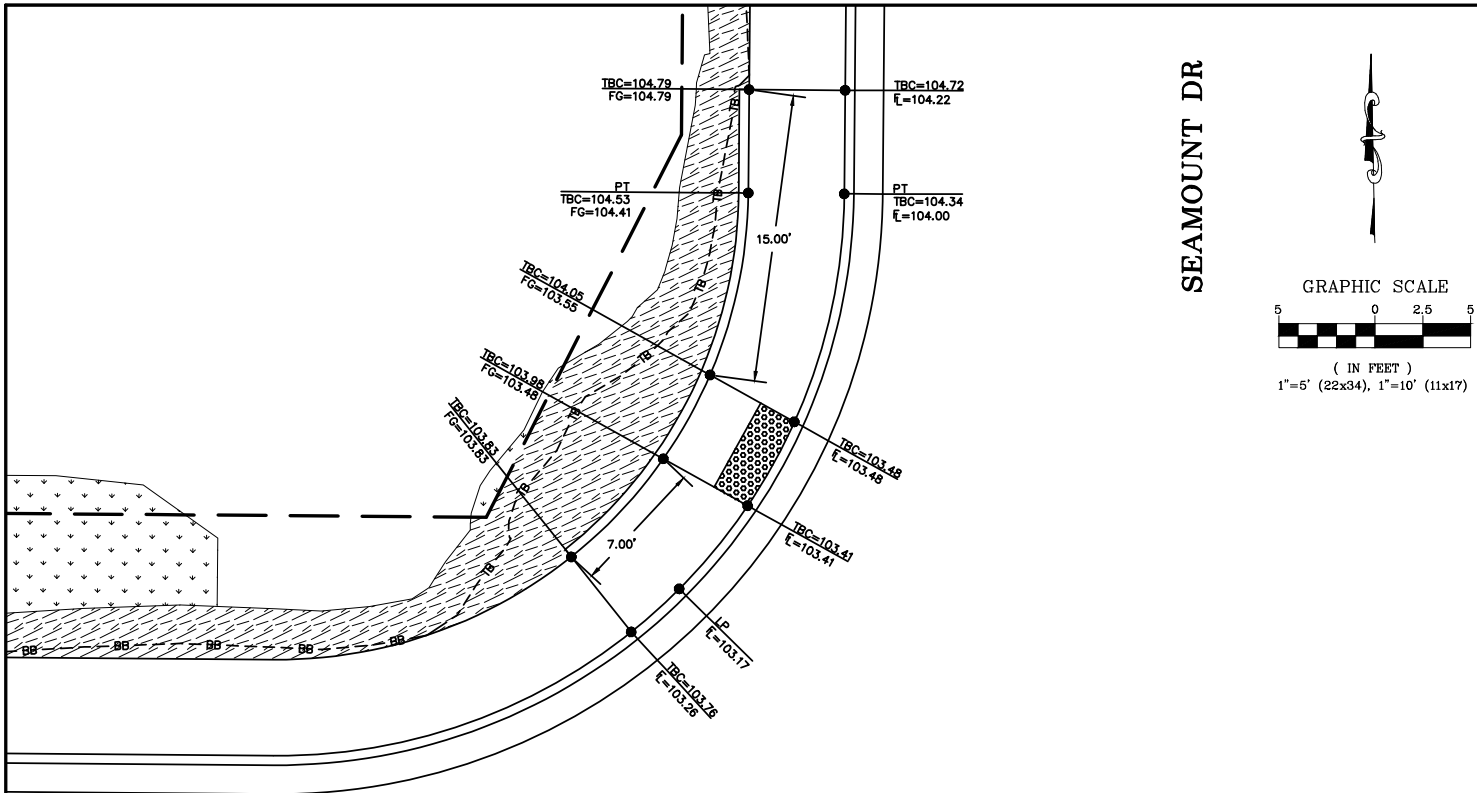
SCALE  
H: 1" = 20' V: 1" = 2'

DATE  
12/17/24

SHEET  
51  
of 85

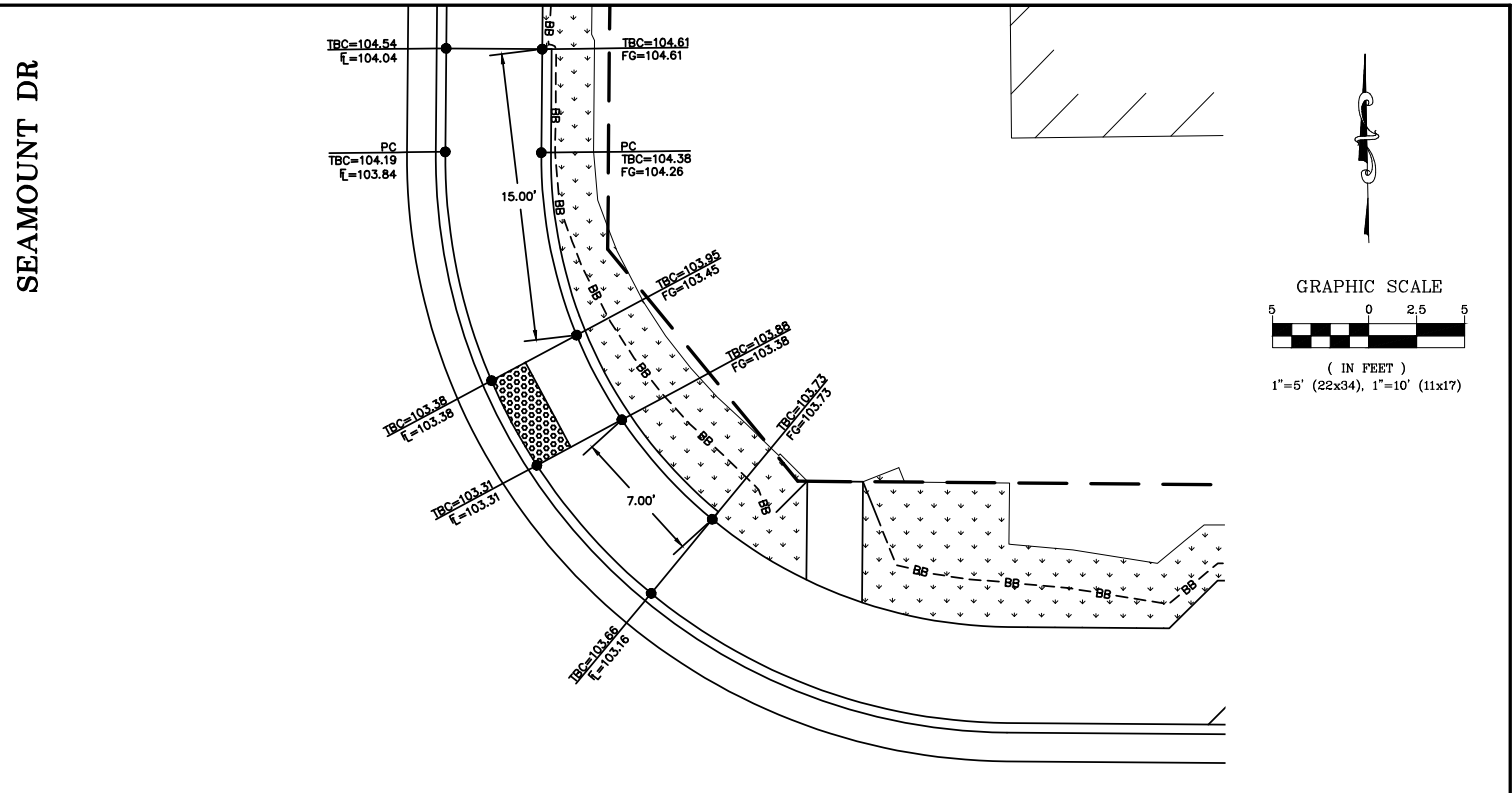






**R5** CEMENT CONC. CURB RAMP  
TYPE PARALLEL A  
SCALE: 1"=5'

FERNDALE TERRACE



**R6** CEMENT CONC. CURB RAMP  
TYPE PARALLEL A  
SCALE: 1"=5'

FERNDALE TERRACE

**CONSTRUCTION  
SET**

DESIGNED BY  
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CITY OF FERNDALE  
2095 MAIN ST  
FERNDALE, WA 98248

FERNDALE TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
GRADE RAMPS - SEAMOUNT

DWG 18023 GRADE

JOB#

18023

SCALE

H: 1"=5'

V: N/A

DATE

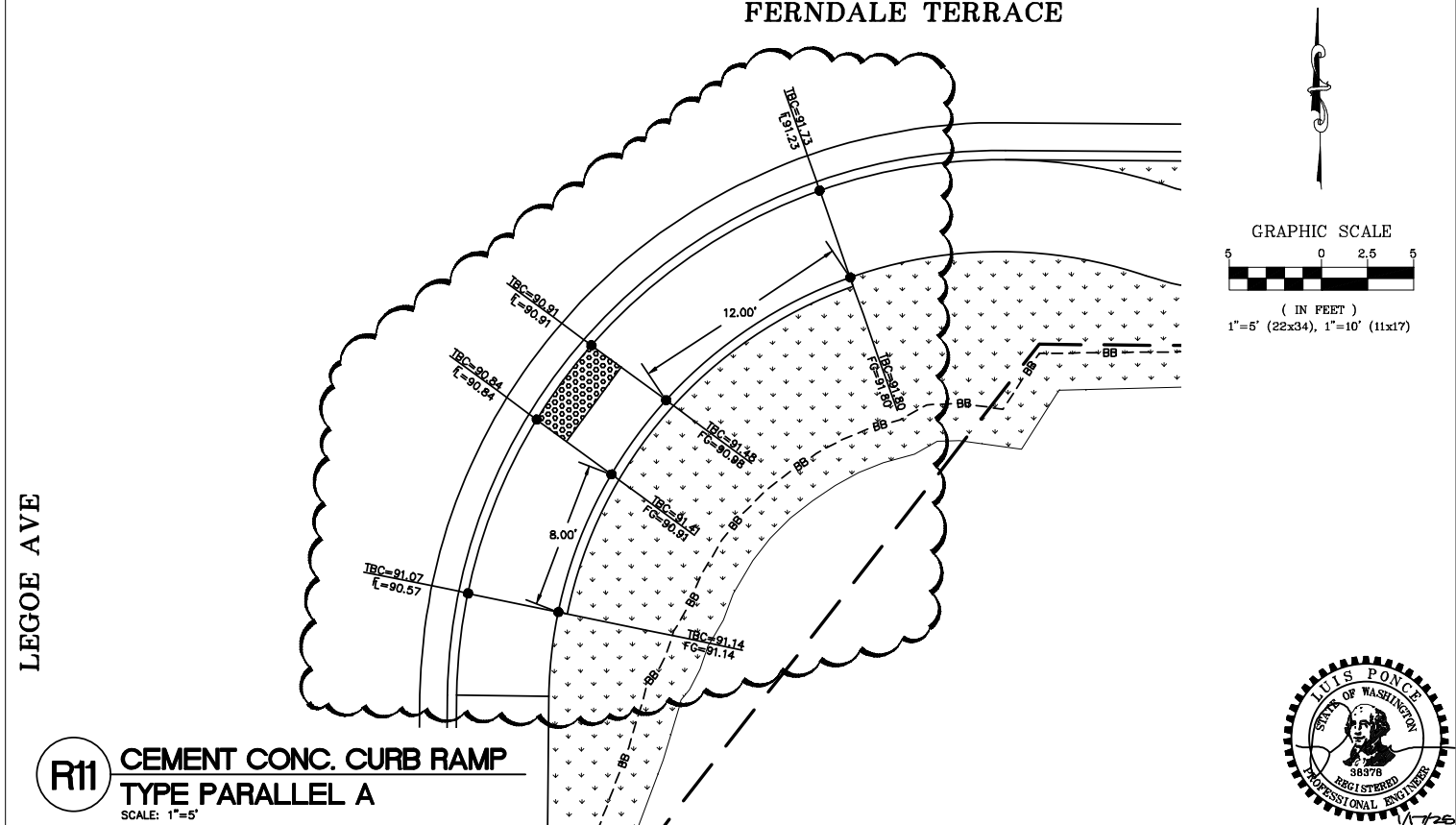
12/17/24

SHEET

53  
of 85



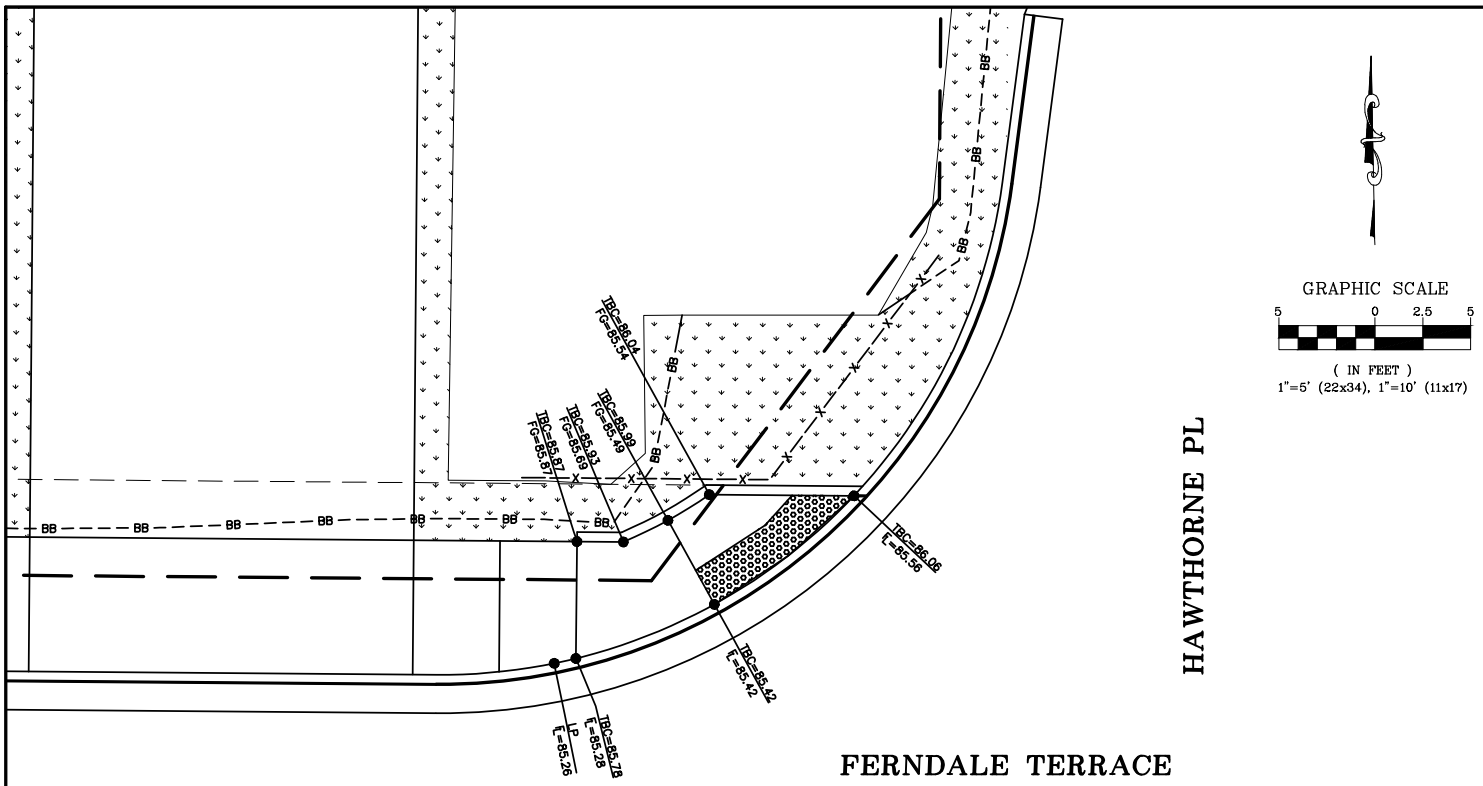




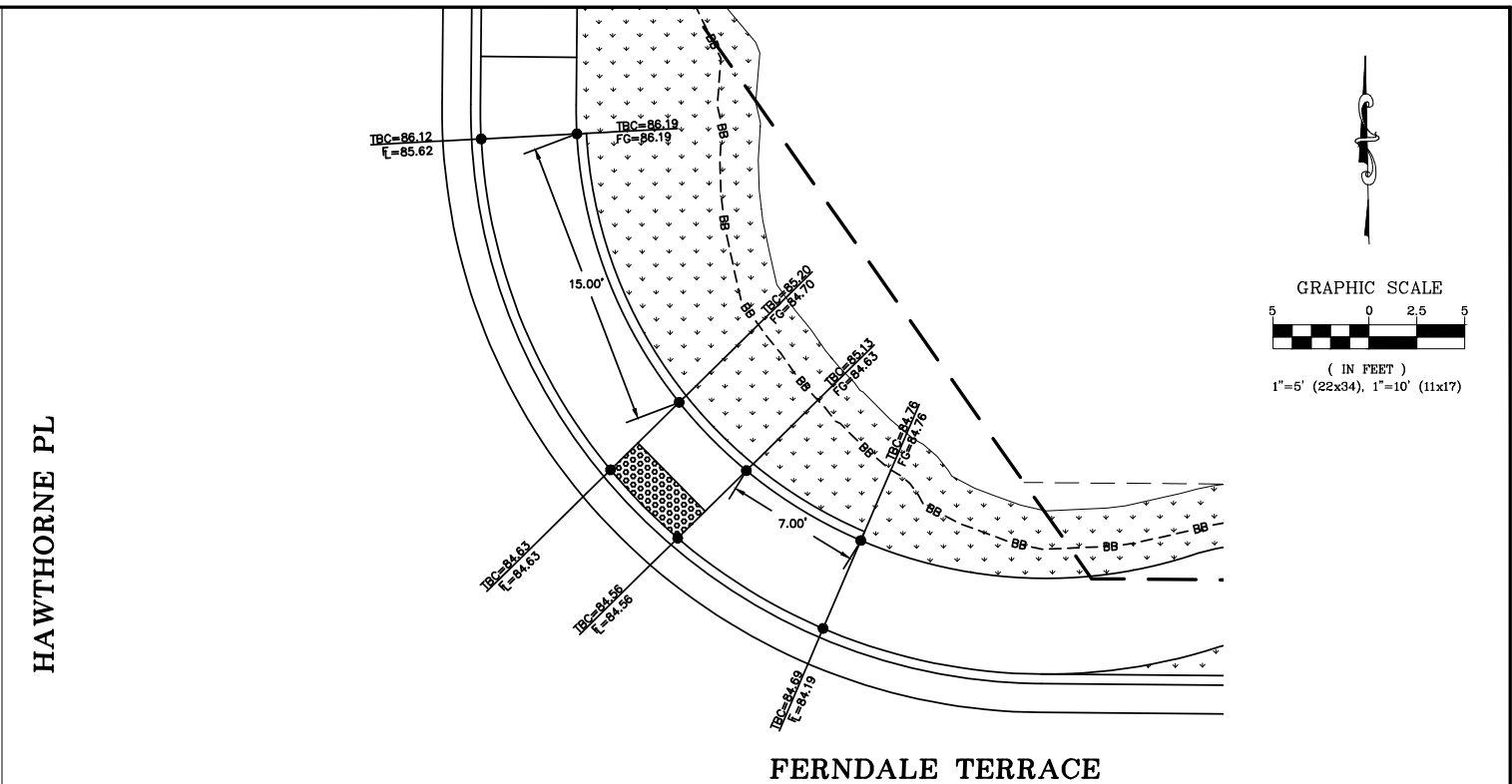
SHEET **55**  
of 85







**R12** CEMENT CONC. CURB RAMP  
TYPE PARALLEL B  
SCALE: 1"=5'



**R13** CEMENT CONC. CURB RAMP  
TYPE PARALLEL A  
SCALE: 1"=5'



**R14** CEMENT CONC. CURB RAMP  
TYPE PARALLEL A  
SCALE: 1"=5'

**CONSTRUCTION  
SET**

DESIGNED BY  
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GS/LMH  
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LP

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CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

FERNDAL TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
GRADE RAMPS - HAWTHORNE

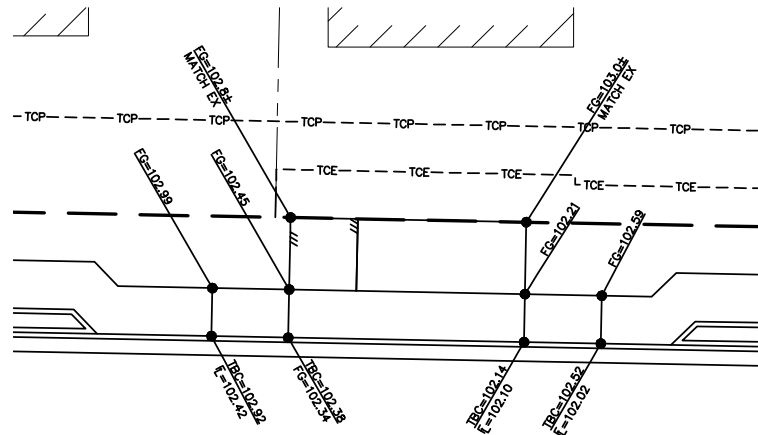
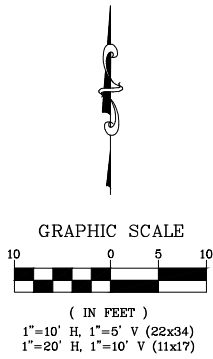
DWG 18023 GRADE  
JOB# 18023

SCALE  
H: 1"=5' V: N/A

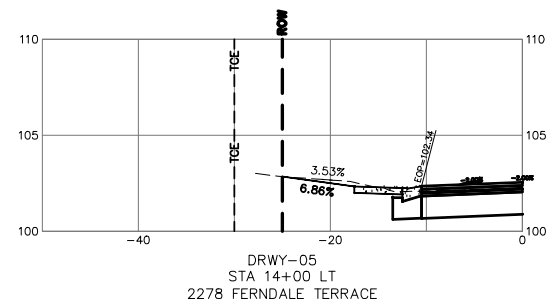
DATE  
12/17/24  
SHEET  
56  
of 85



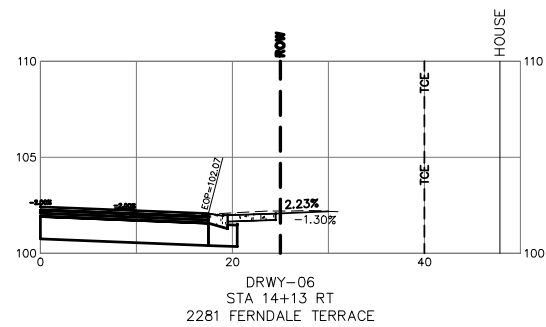




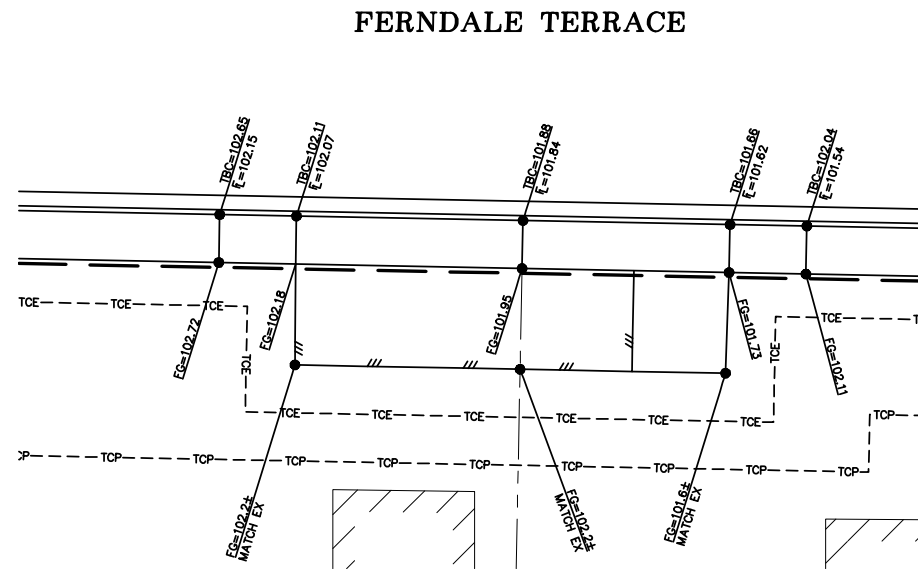
FERNDALE TERRACE



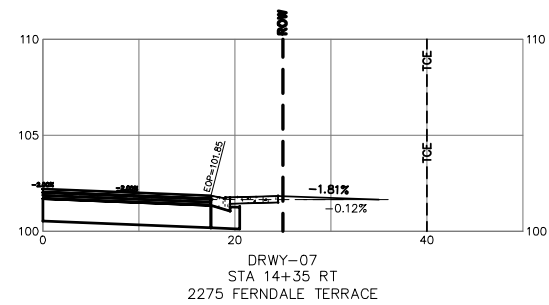
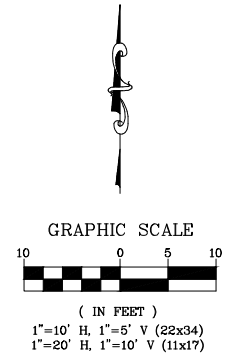
DRWY-05  
STA 14+00 LT  
2278 FERNDALE TERRACE



DRWY-06  
STA 14+13 RT  
2281 FERNDALE TERRACE



FERNDALE TERRACE



DRWY-07  
STA 14+35 RT  
2275 FERNDALE TERRACE

CONSTRUCTION  
SET

DESIGNED BY  
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GS/EV  
CHECKED BY  
LP

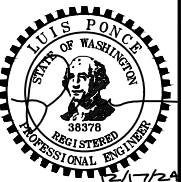
**R&E** Reichhardt & Ebe  
ENGINEERING INC  
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| NO. | DATE | DESCRIPTION | BY |
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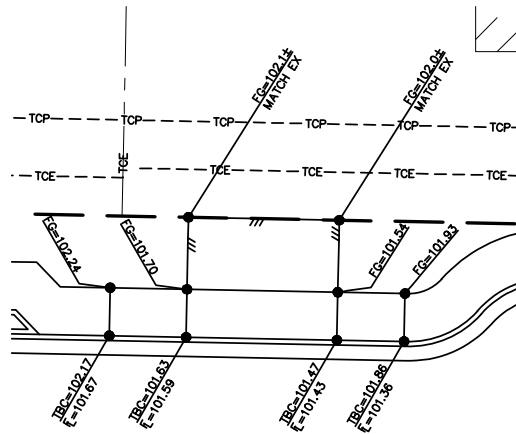
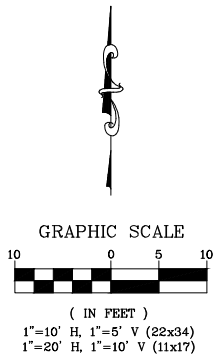
CITY OF FERNDALE  
2095 MAIN ST  
FERNDALE, WA 98248

FERNDALE TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
DRIVEWAYS - 5, 6, AND 7

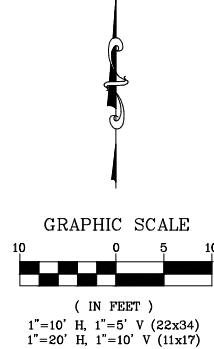
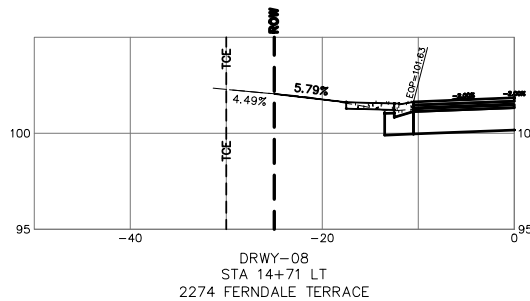
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|----------------|--------------------------|
| DWG 18023 DWY  | DATE 12/17/24            |
| JOB# 18023     | SCALE H: 1"=10' V: 1"=5' |
| SHEET 58 of 85 |                          |



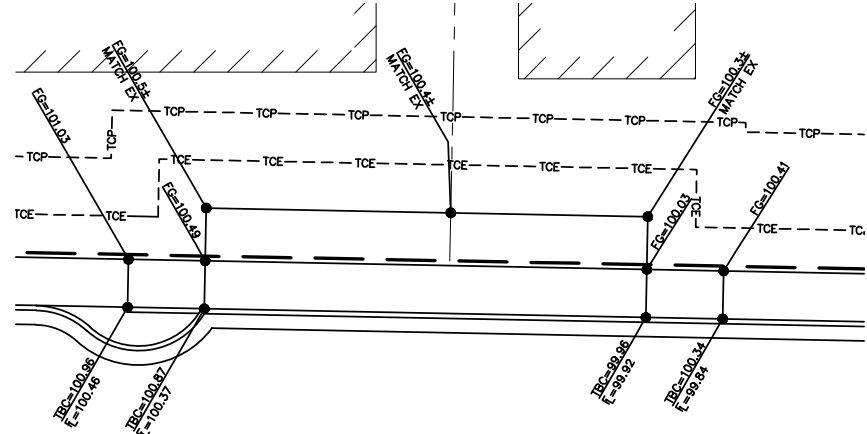
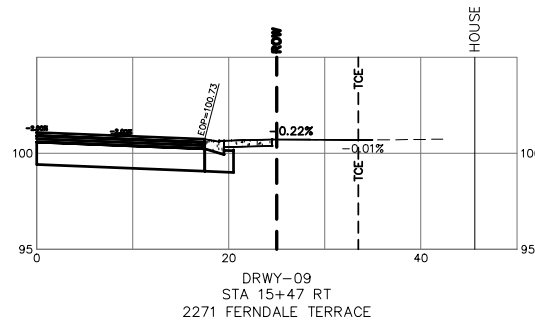
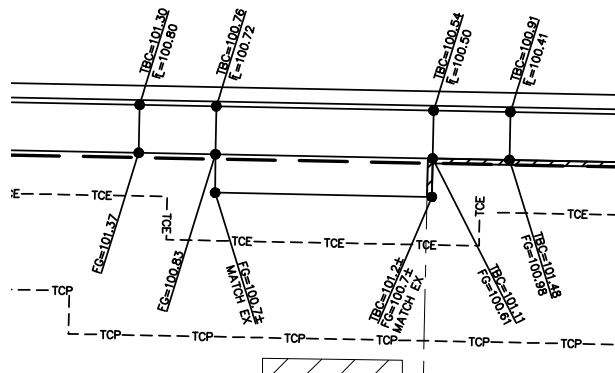




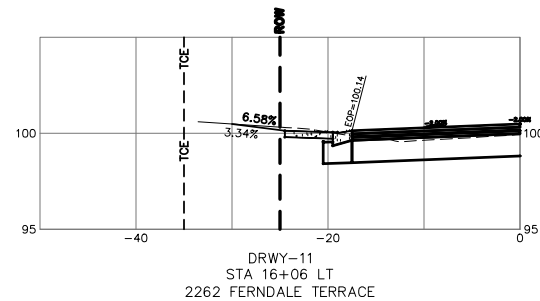
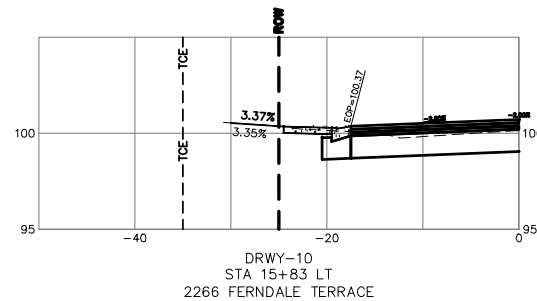
FERNDALE TERRACE



FERNDALE TERRACE



FERNDALE TERRACE



CONSTRUCTION  
SET

DESIGNED BY  
GS/EV  
DRAWN BY  
GS/EV  
CHECKED BY  
LP

**R&E** Reichhardt & Ebe  
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P.O. Box 978 | 423 Front Street  
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CITY OF FERNDALE  
2095 MAIN ST  
FERNDALE, WA 98248

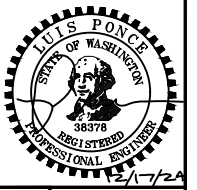
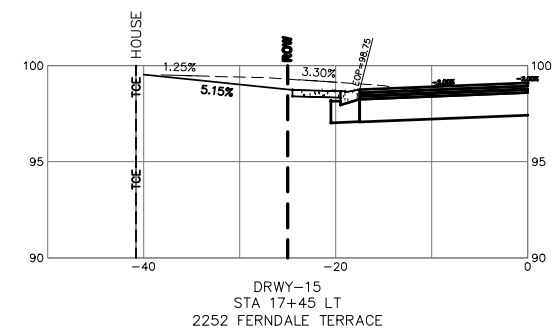
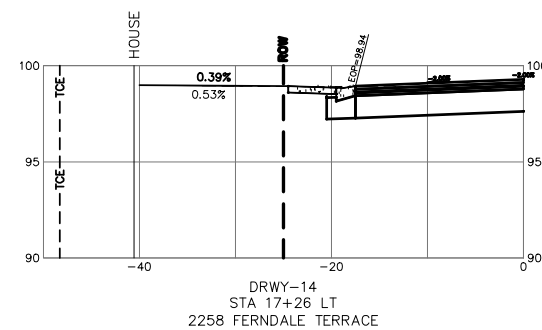
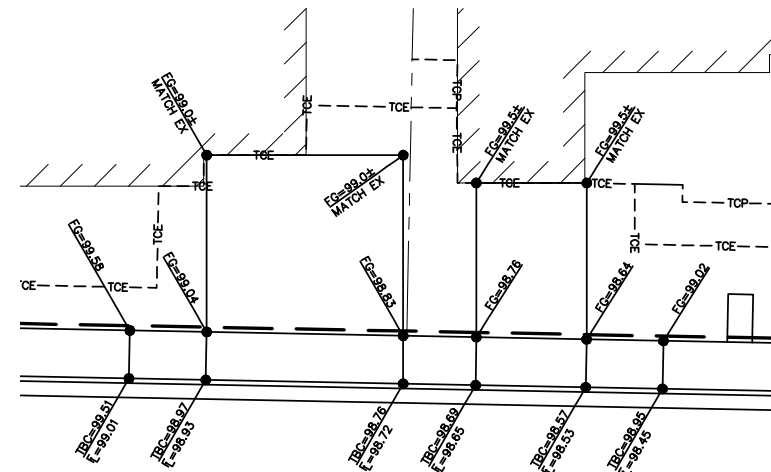
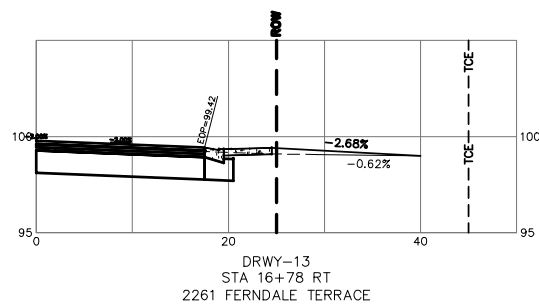
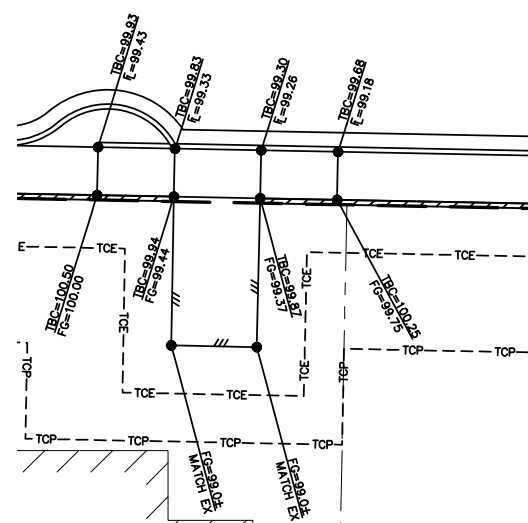
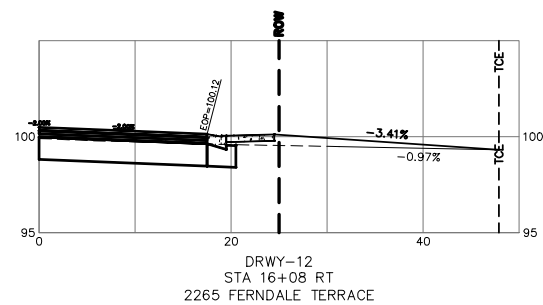
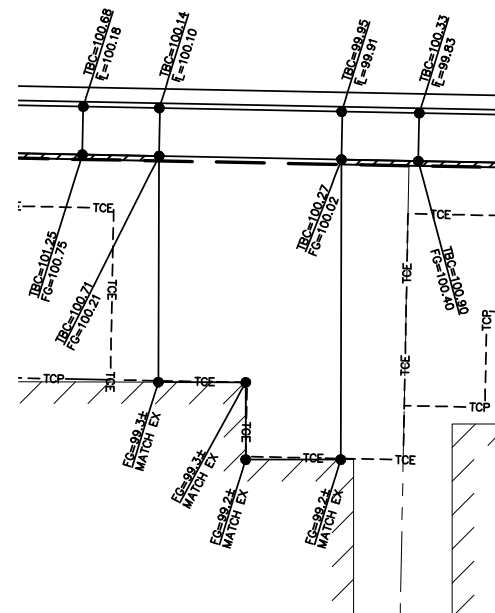
FERNDALE TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
DRIVEWAYS - 8, 9, 10, AND 11

DWG 18023 DWY  
JOB# 18023

SCALE  
H: 1"=10' V: 1"=5'

DATE 12/17/24  
SHEET 59  
of 85





# CONSTRUCTION SET

|             |       |
|-------------|-------|
| DESIGNED BY | GS/EV |
| DRAWN BY    | GS/EV |
| CHECKED BY  | LP    |

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|     |      |             |    |
| NO. | DATE | DESCRIPTION | BY |

CITY OF FERNDALE  
2095 MAIN ST  
FERNDALE, WA 98248

**FERNDALE TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
DRIVEWAYS - 12, 13, 14, AND 15**

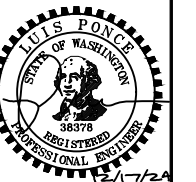
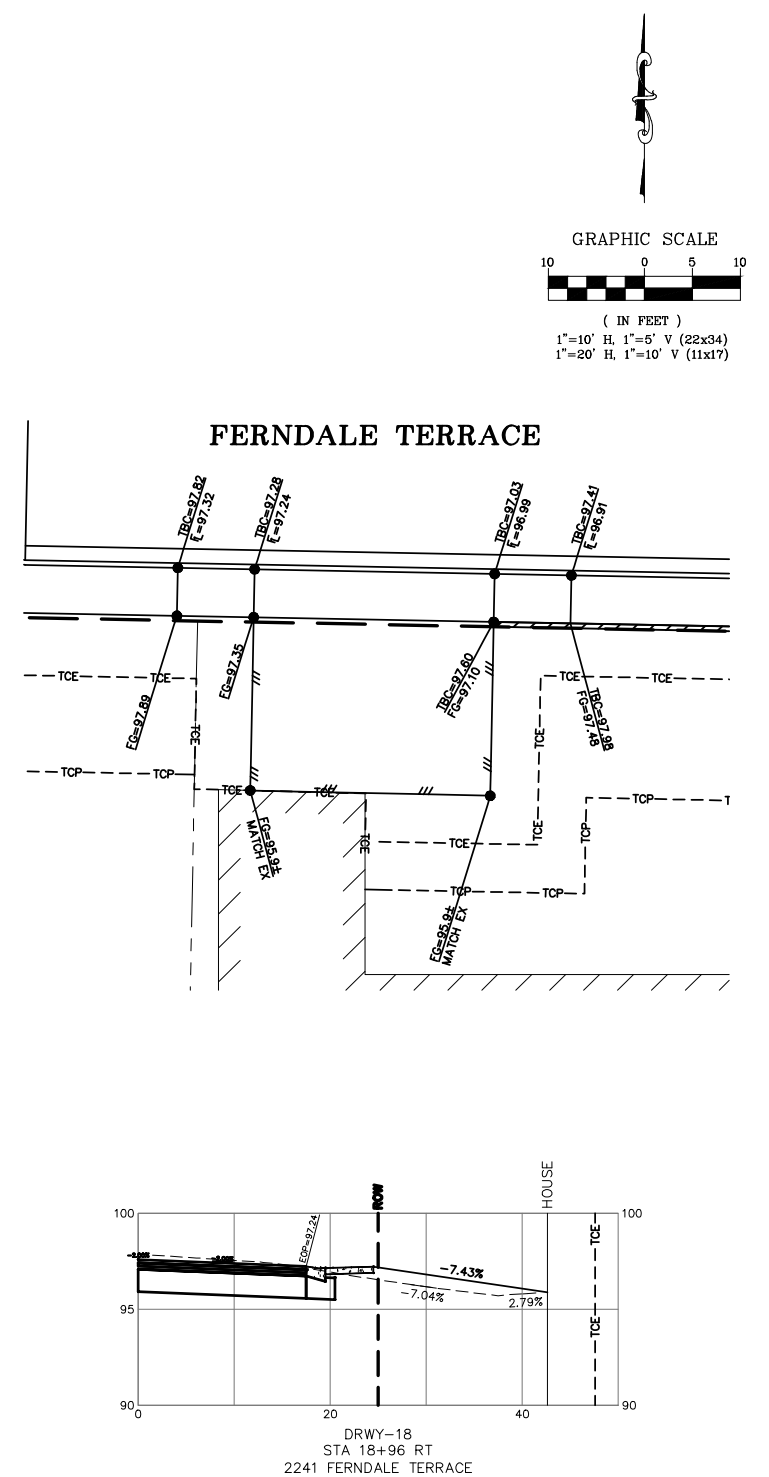
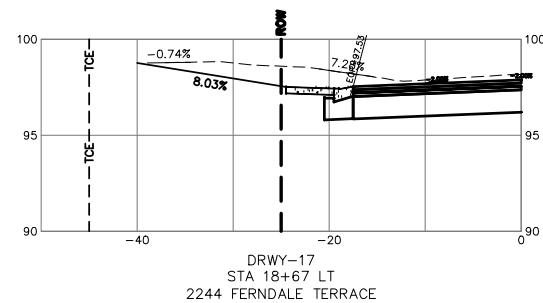
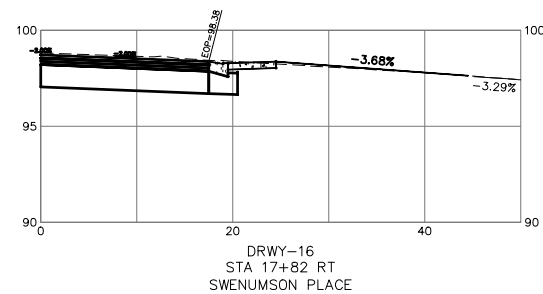
DWG 18023 DWY

JOB#

SCALE  
H: 1"=10'

DATE 12/1/20

SHEET **60**  
of 85



# CONSTRUCTION SET

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|-------------|-------|
| DESIGNED BY | GS/EV |
| DRAWN BY    | GS/EV |
| CHECKED BY  | LP    |

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|     |      |             |    |
| NO. | DATE | DESCRIPTION | BY |

CITY OF FERNDALE  
2095 MAIN ST  
FERNDALE, WA 98248

**FERNDALE TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
DRIVEWAYS - 16, 17, AND 18**

DWG 18023 DWY

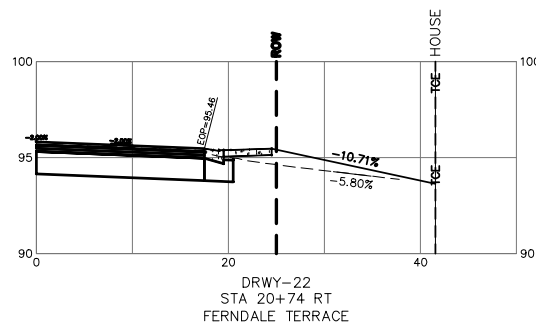
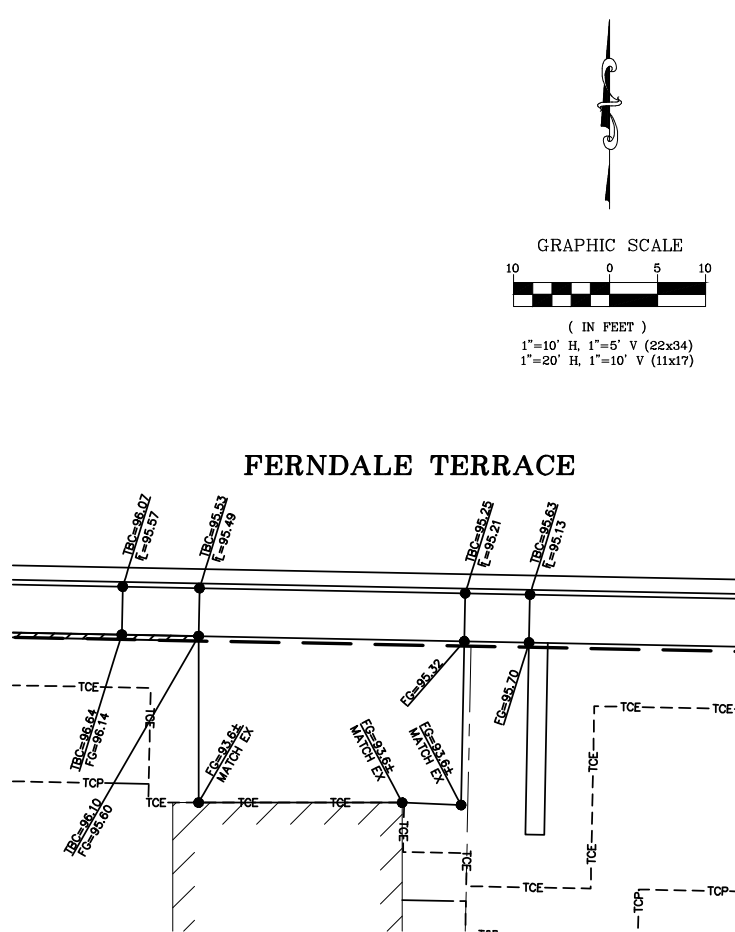
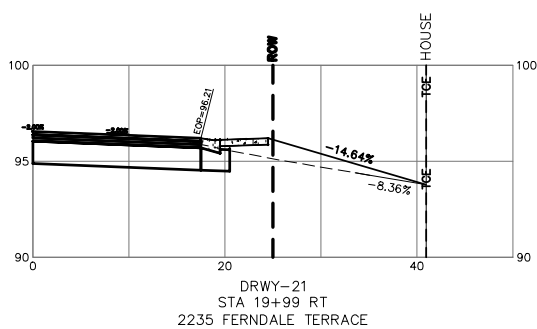
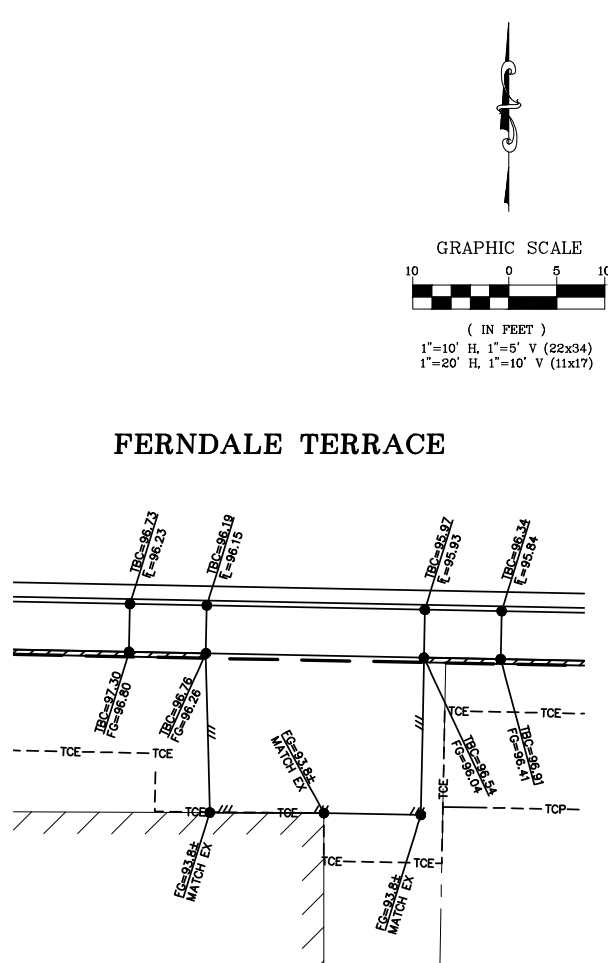
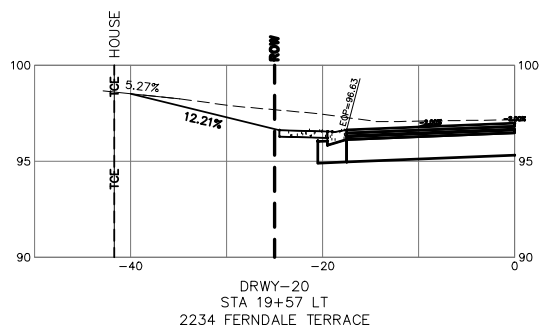
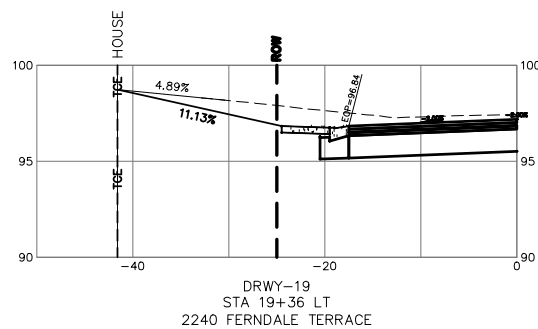
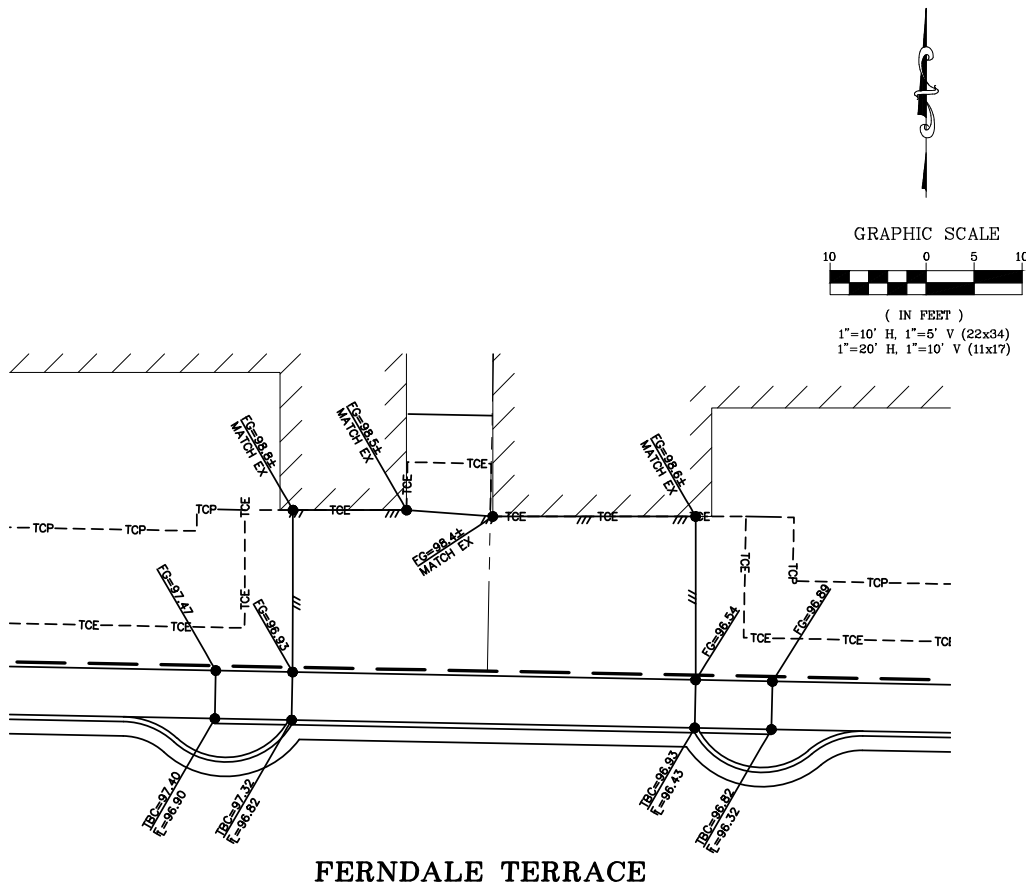
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| JOB # |  |
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SCALE  
H: 1"=10'

DATE

HEET **61**  
of 85





CONSTRUCTION  
SET

DESIGNED BY  
GS/EV  
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GS/EV  
CHECKED BY  
LP

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| NO. | DATE | DESCRIPTION | BY |
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CITY OF FERNDALE  
2095 MAIN ST  
FERNDALE, WA 98248

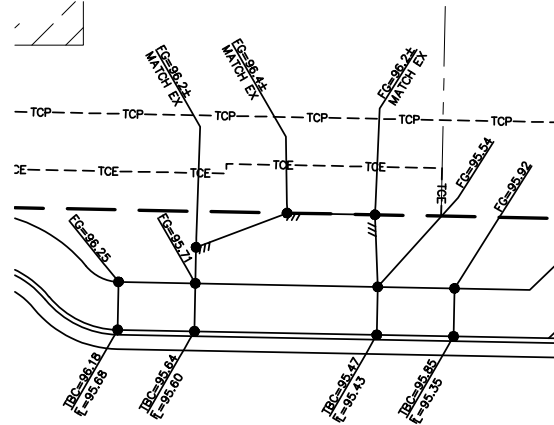
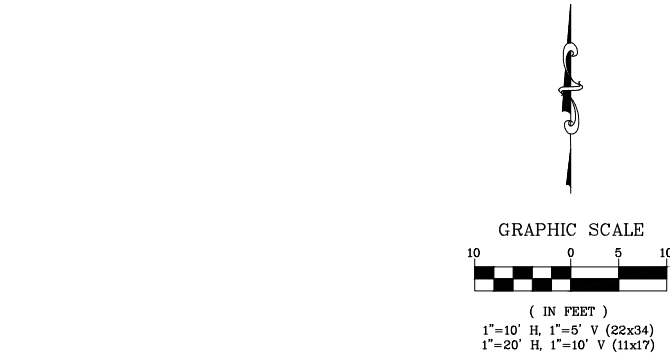
FERNDALE TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
DRIVEWAYS - 19, 20, 21, AND 22

DWG 18023 DWY  
JOB# 18023

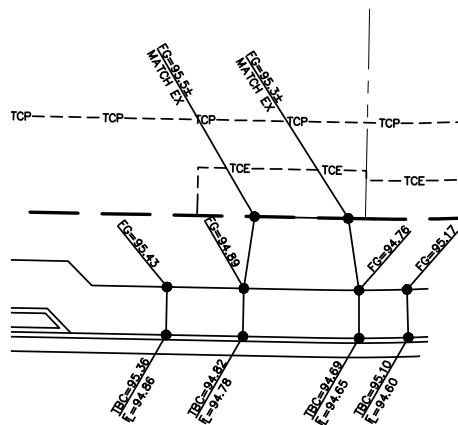
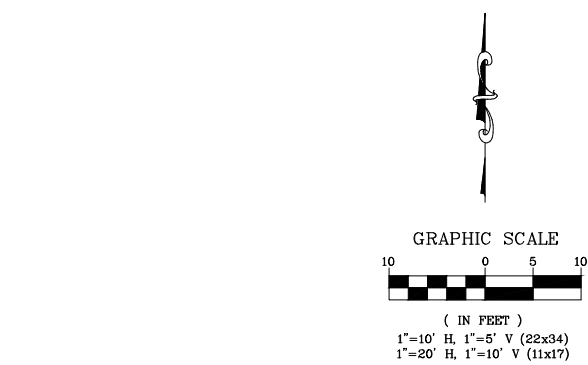
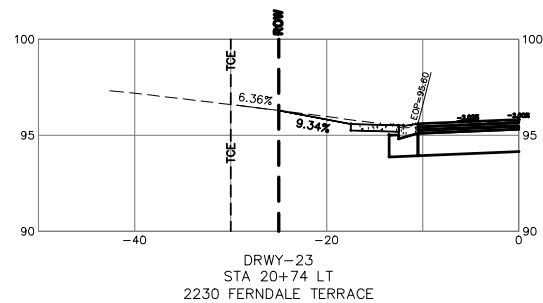
SCALE  
H: 1"=10' V: 1"=5'

DATE 12/17/24  
SHEET 62  
of 85

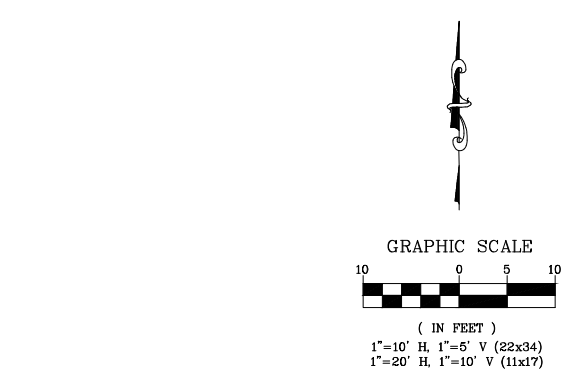
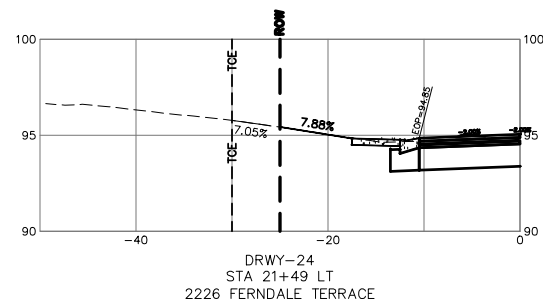




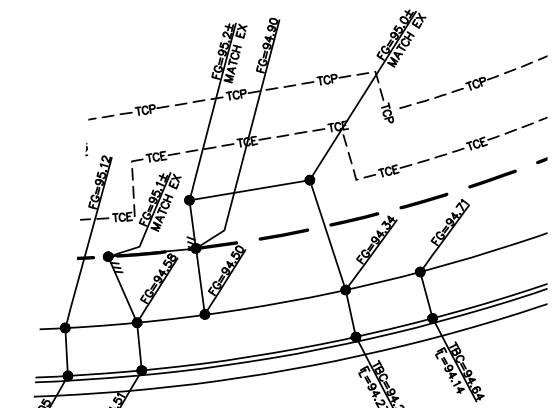
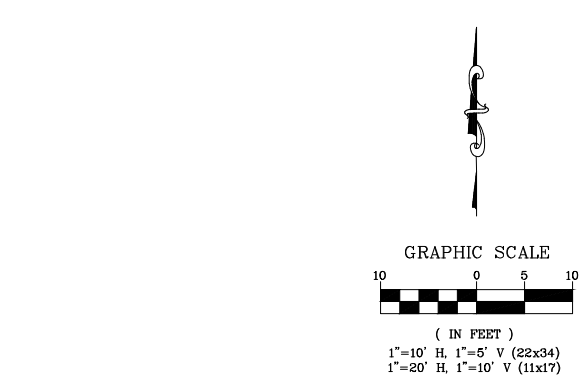
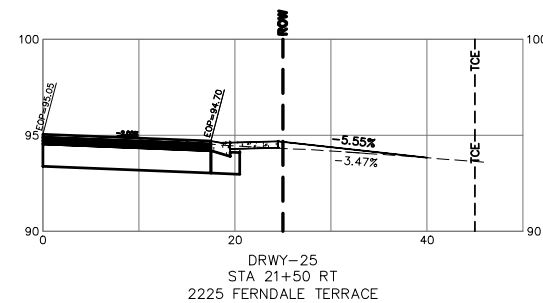
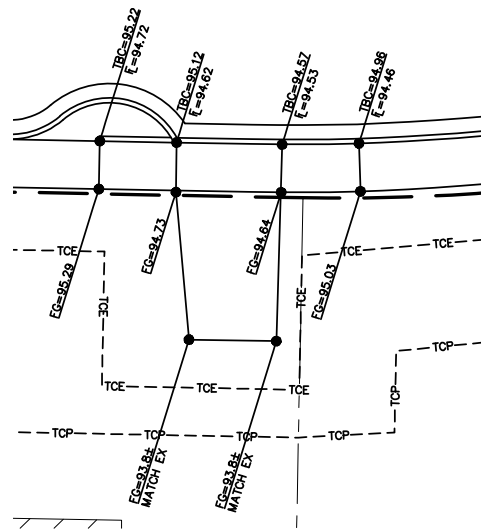
FERNDALE TERRACE



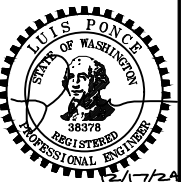
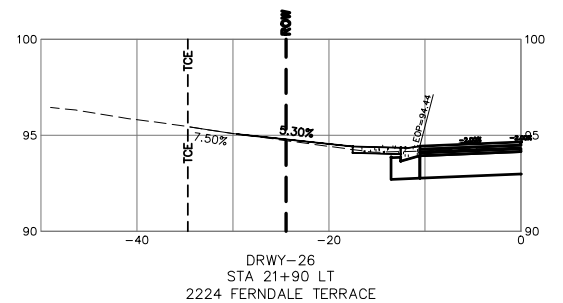
FERNDALE TERRACE



FERNDALE TERRACE



FERNDALE TERRACE



CONSTRUCTION  
SET

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DRAWN BY  
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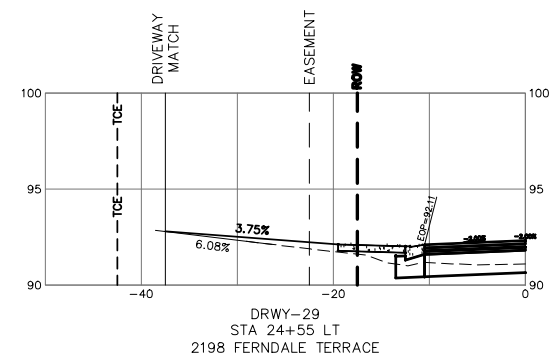
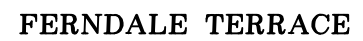
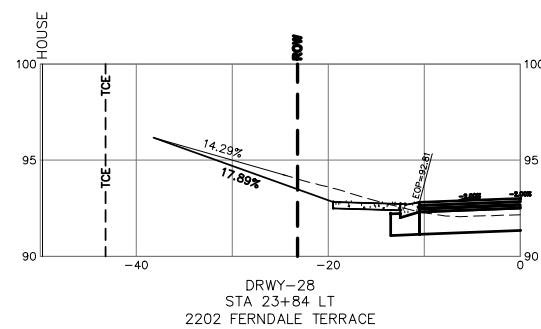
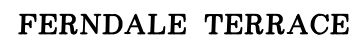
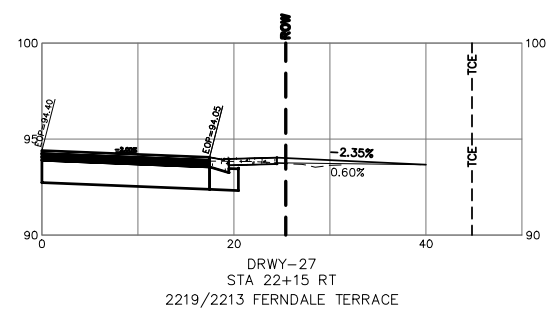
CITY OF FERNDALE  
2095 MAIN ST  
FERNDALE, WA 98248

FERNDALE TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
DRIVEWAYS - 23, 24, 25, AND 26

DWG 18023 DWY  
JOB# 18023

SCALE  
H: 1"=10' V: 1"=5'

DATE 12/17/24  
SHEET 63  
of 85



## CONSTRUCTION SET

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| DESIGNED BY | GS/EV |
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| CHECKED BY  | LP    |



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| NO. | DATE | DESCRIPTION | BY |

CITY OF FERNDALE  
2095 MAIN ST  
FERNDALE, WA 98248

**FERNDALE TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
DRIVEWAYS - 27, 28, AND 29**

DWG 18023 DWY

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SCALE

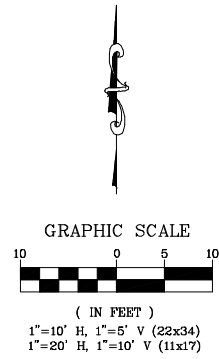
v: 1"=5'

DATE

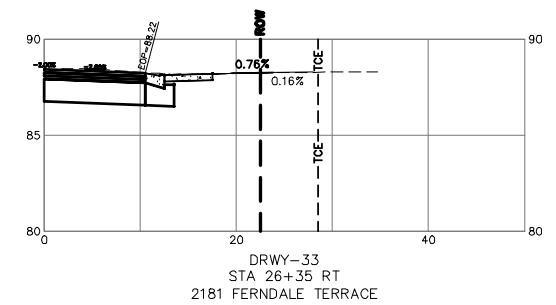
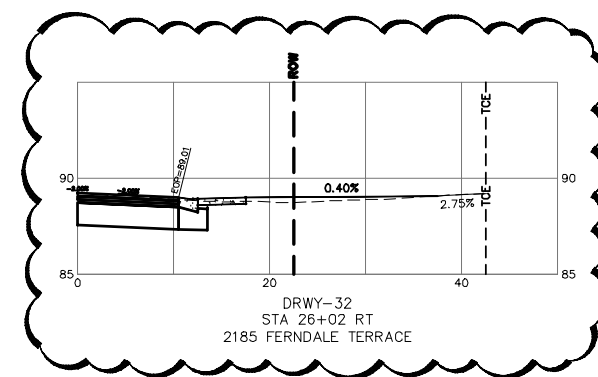
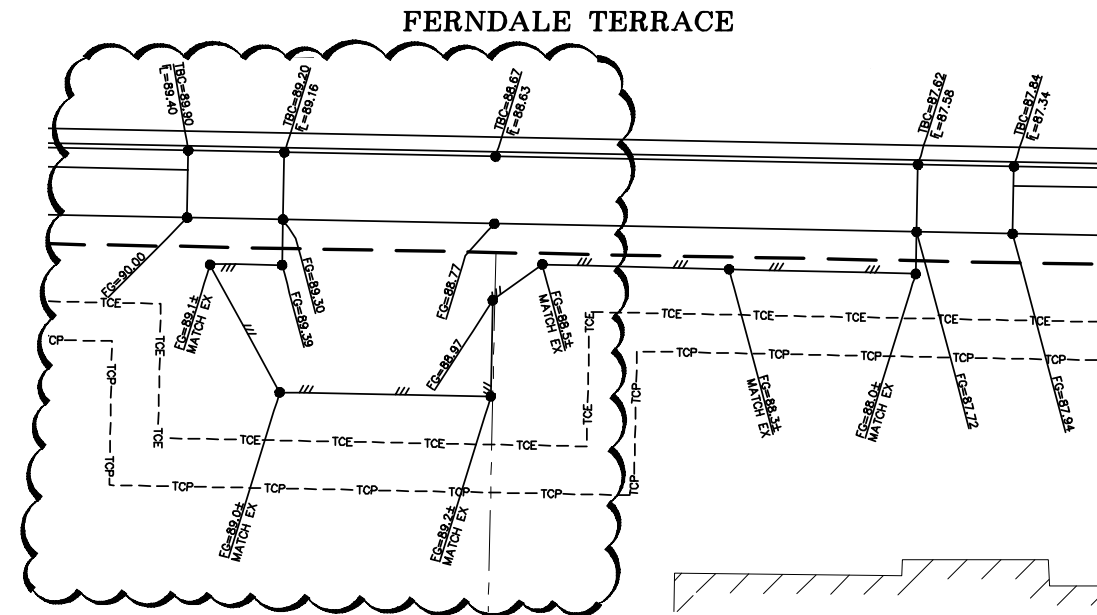
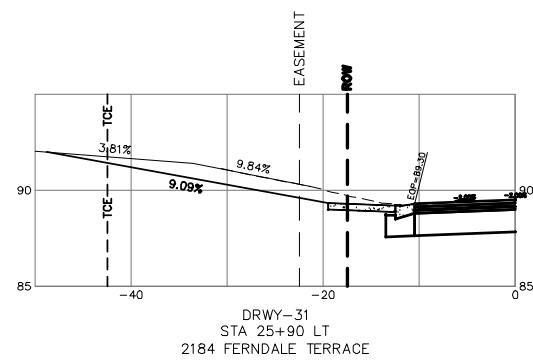
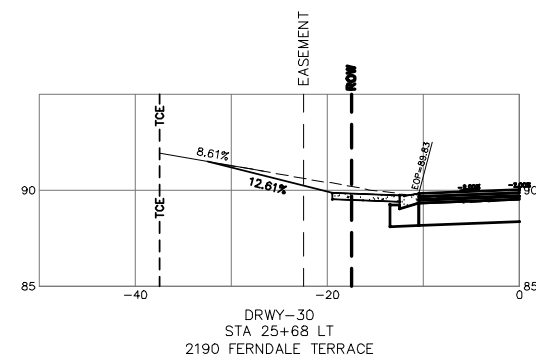
SHEET 64

64  
of 85





FERNDAL TERRACE



## CONSTRUCTION SET

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CITY OF FERNDALE  
2095 MAIN ST  
FERNDALE, WA 98248

**FERNDALE TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
DRIVEWAYS - 30, 31, 32, AND 33**

DWG 18023 DWY

JOB#

SCALE

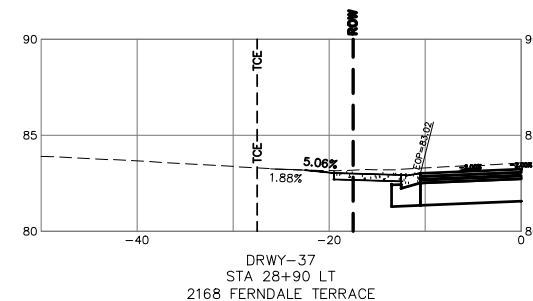
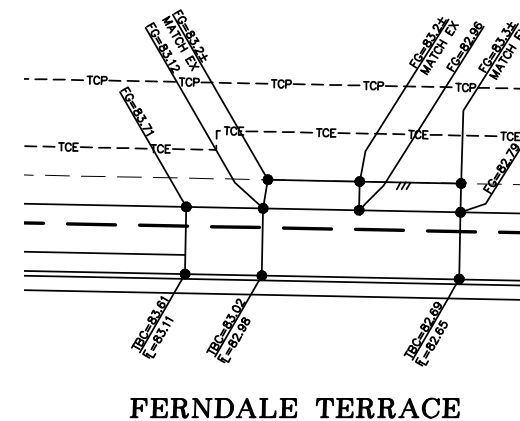
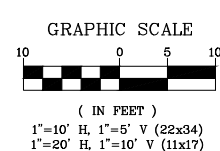
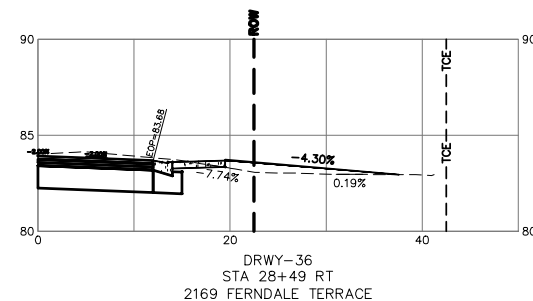
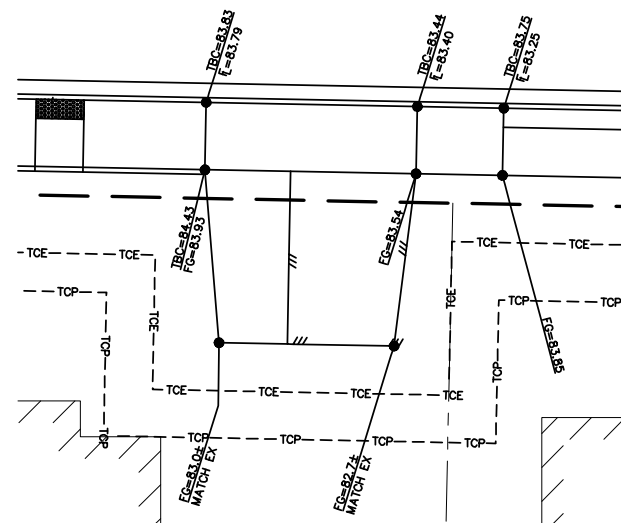
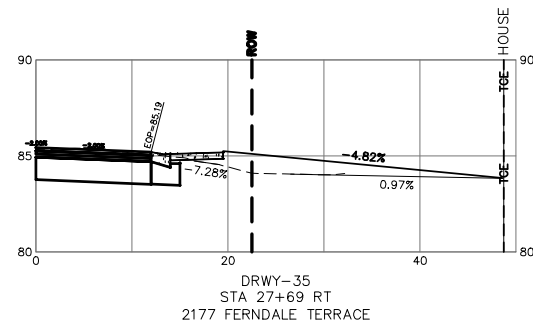
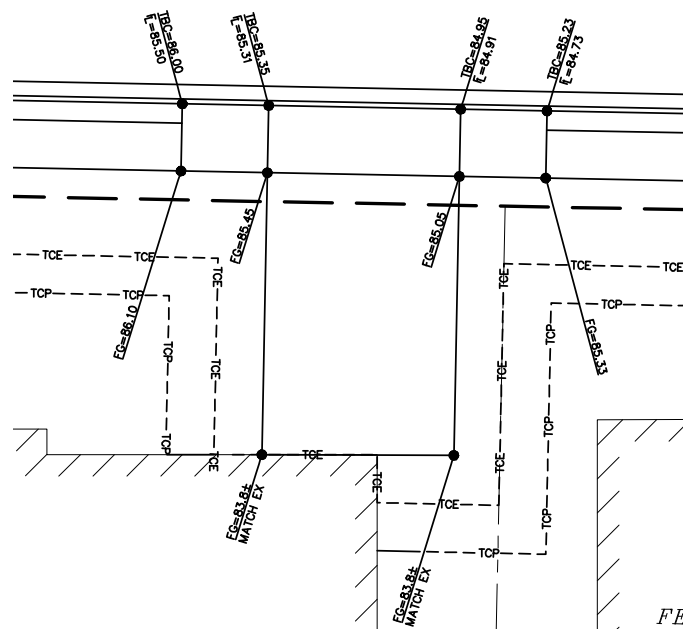
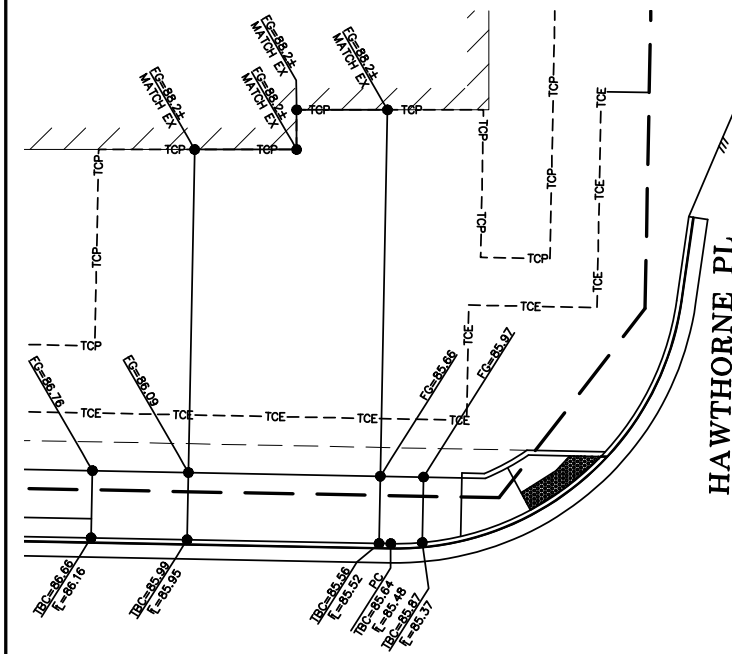
H:  $\mathbf{1''=10'}$

DATE 9/17/20

1/17/25

SHEET 65

65  
of 85



## CONSTRUCTION SET

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| DESIGNED BY | GS/EV |
| DRAWN BY    | GS/EV |
| CHECKED BY  | IP    |

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**R&E** **Reichhardt & Ebe**  
**ENGINEERING INC**  
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CITY OF FERNDALE  
2095 MAIN ST  
FERNDALE, WA 98248

**FERNDALE TERRACE PROJECT**  
**VISTA DRIVE TO HENDRICKSON AVENUE**  
**DRIVEWAYS - 34, 35, 36, AND 37**

DWG 18023 DWY

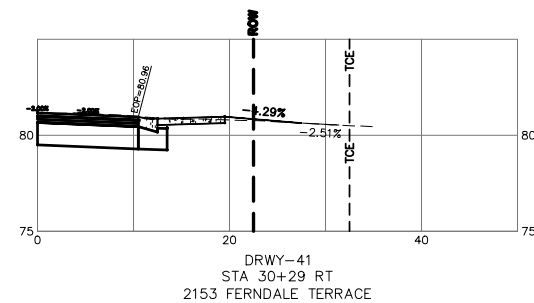
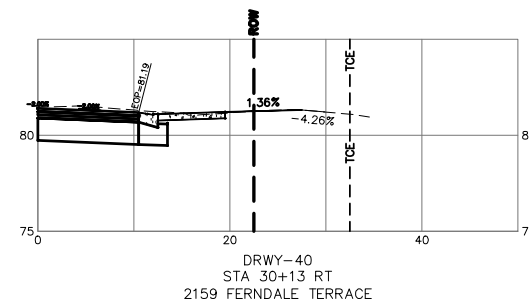
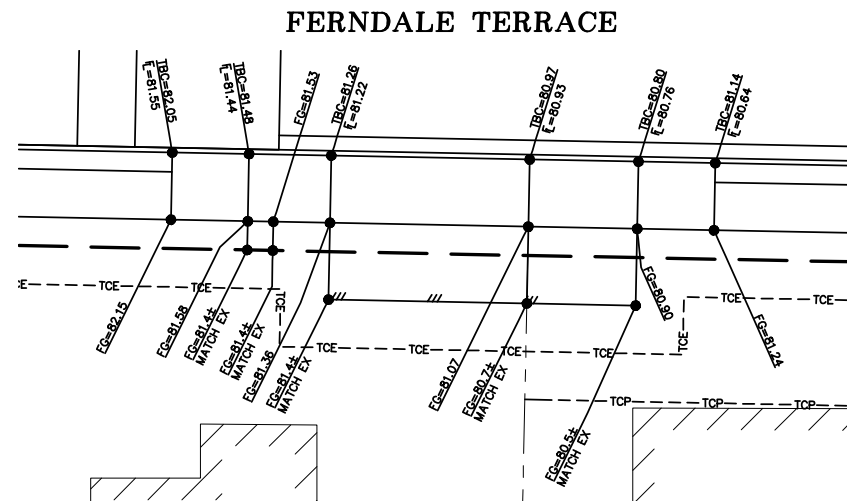
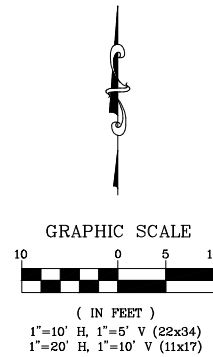
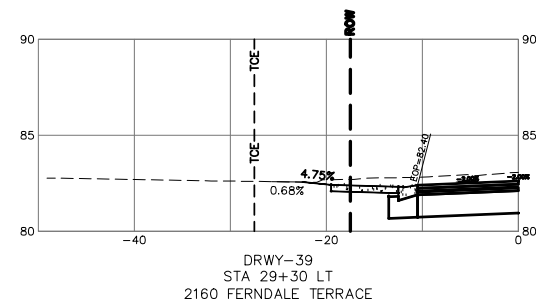
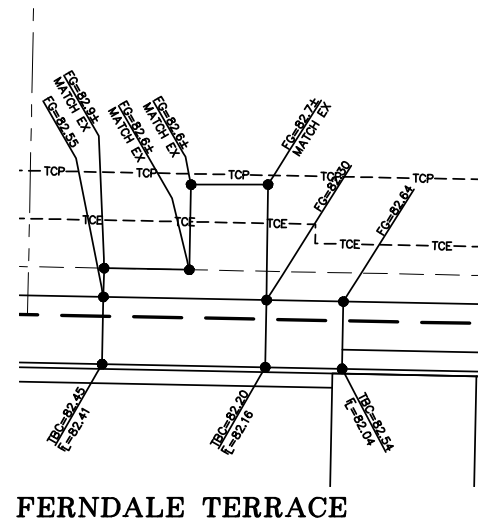
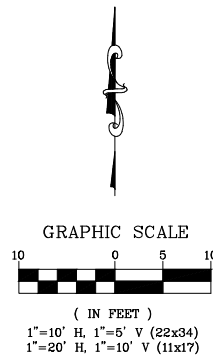
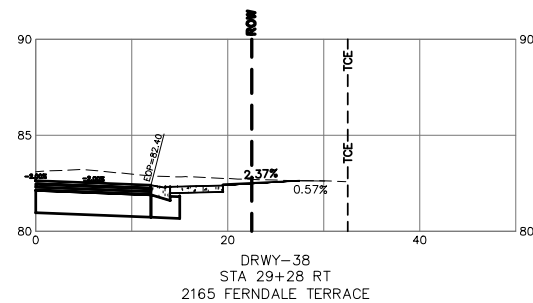
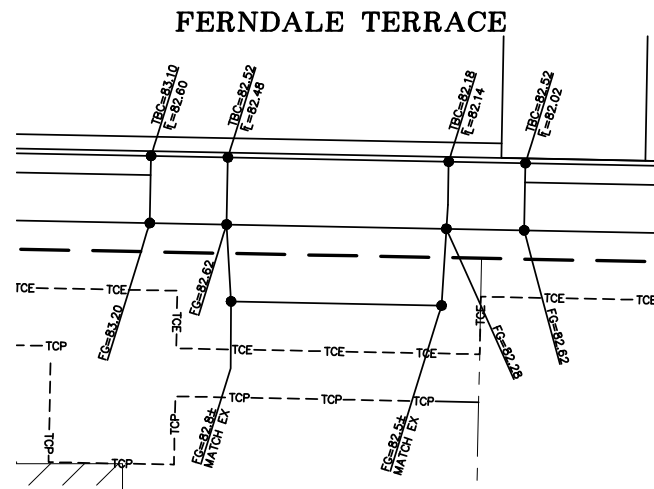
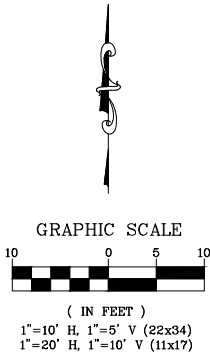
JOB#

SCALE  
H: 1"=10'

V:  $1''=5'$

DATE 12/1/77

SHEET 66 of 85



CONSTRUCTION  
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DESIGNED BY  
GS/EV  
DRAWN BY  
GS/EV  
CHECKED BY  
LP

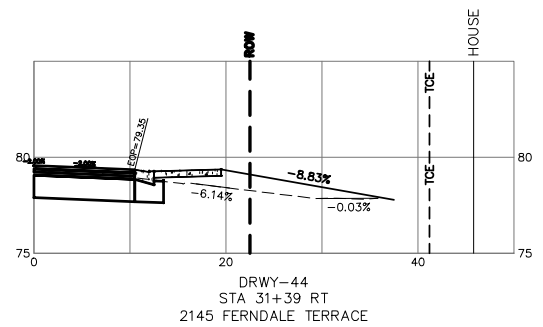
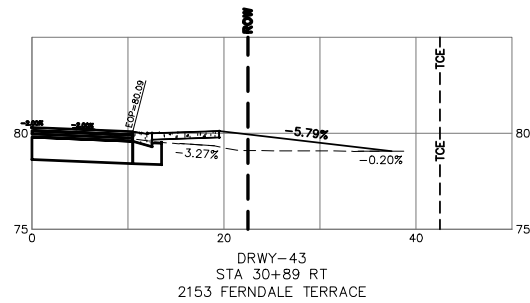
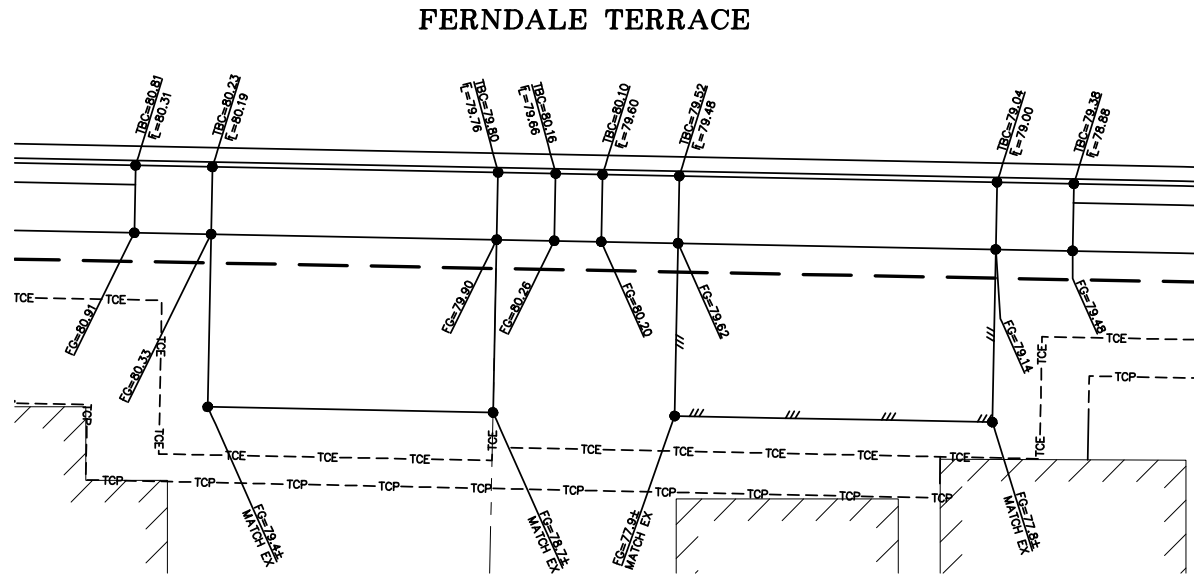
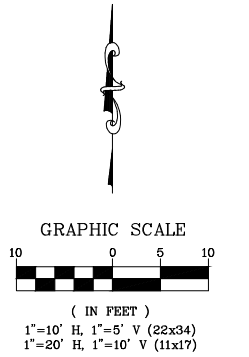
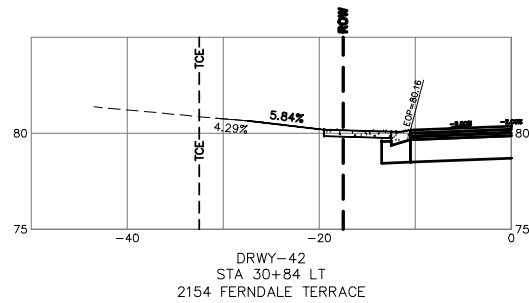
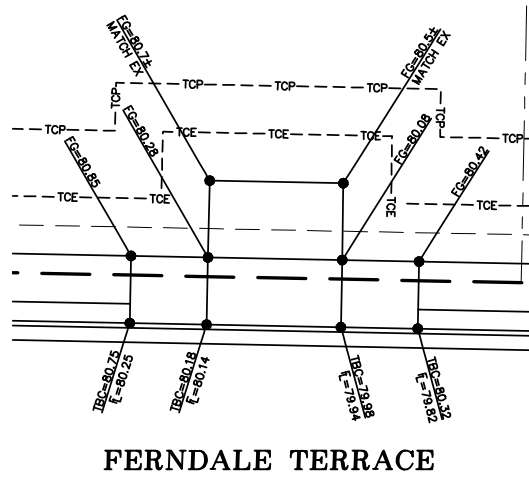
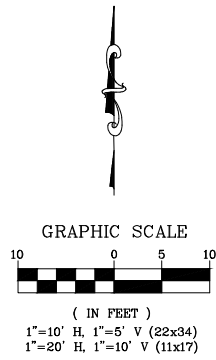
**R&E** Reichhardt & Ebe  
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P.O. Box 978 | 423 Front Street  
Lynden, WA 98264 (360) 354-3687

| NO. | DATE | DESCRIPTION | BY |
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CITY OF FERNDALE  
2095 MAIN ST  
FERNDALE, WA 98248

FERNDALE TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
DRIVEWAYS - 38, 39, 40, AND 41

|                |                          |
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| DWG 18023 DWY  | DATE 12/17/24            |
| JOB# 18023     | SCALE H: 1"=10' V: 1"=5' |
| SHEET 67 of 85 |                          |



CONSTRUCTION  
SET

DESIGNED BY  
GS/EV  
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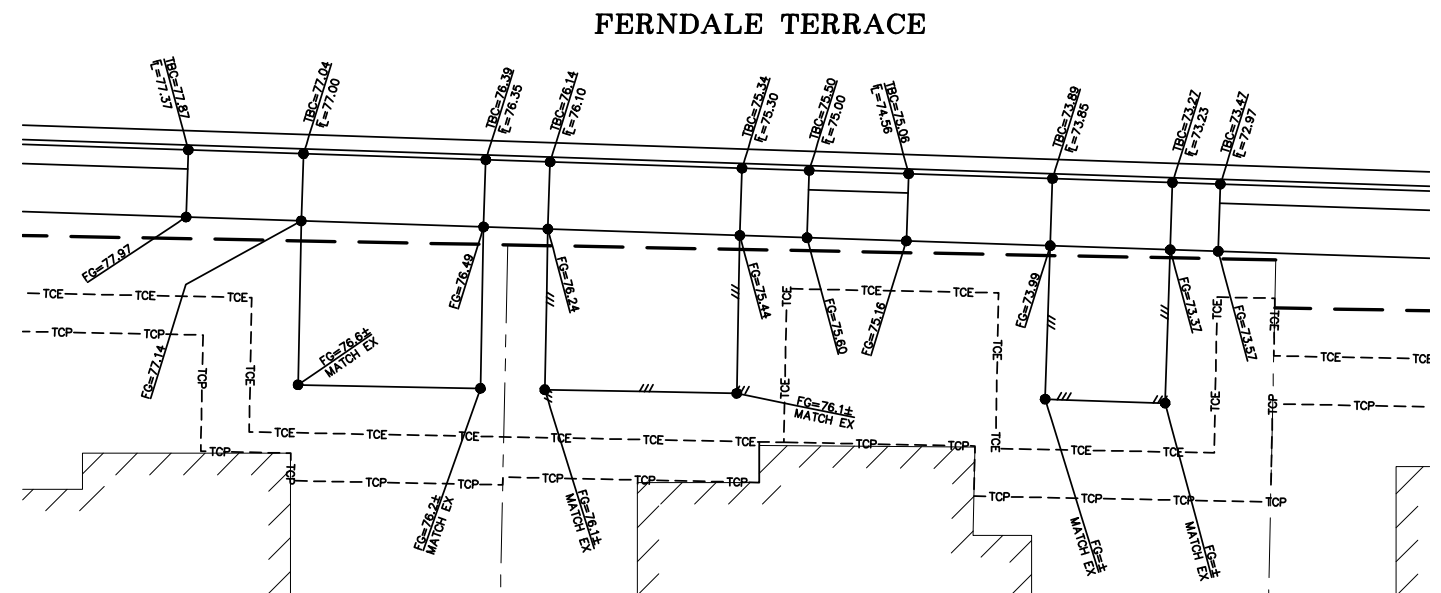
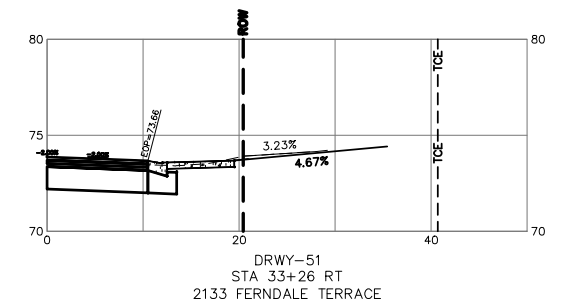
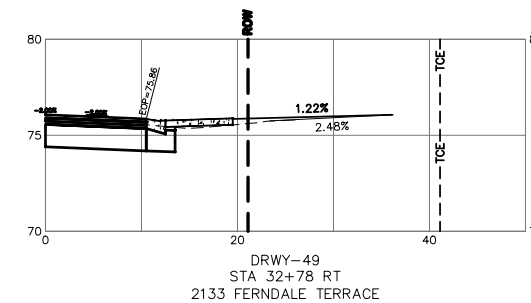
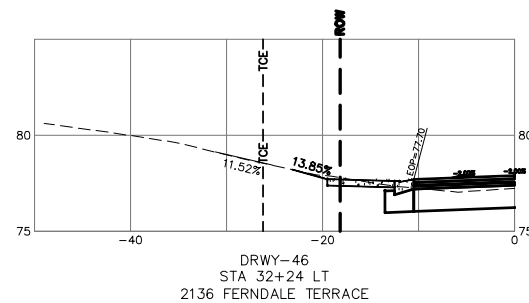
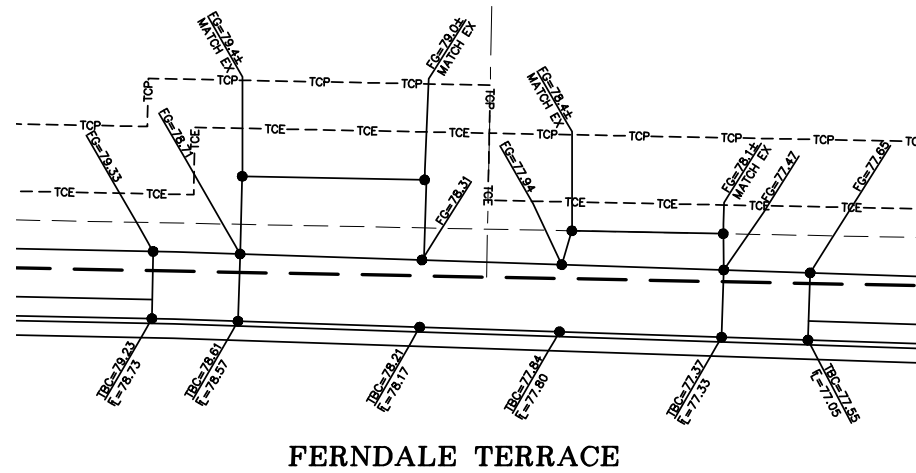
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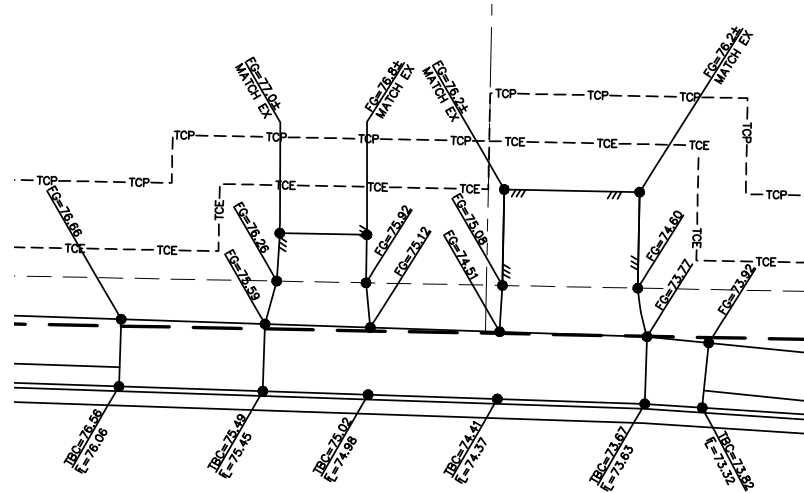
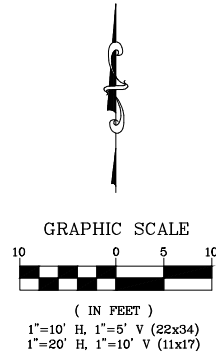
CITY OF FERNDALE  
2095 MAIN ST  
FERNDALE, WA 98248

FERNDALE TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
DRIVEWAYS - 42, 43, AND 44

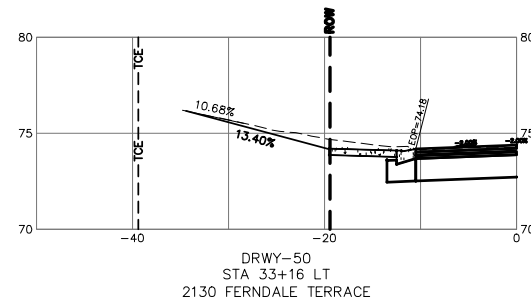
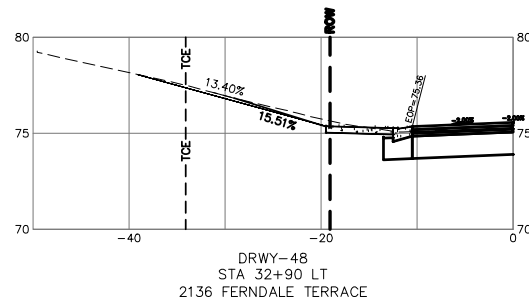
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| DWG 18023 DWY  | DATE 12/17/24            |
| JOB# 18023     | SCALE H: 1"=10' V: 1"=5' |
| SHEET 68 of 85 |                          |



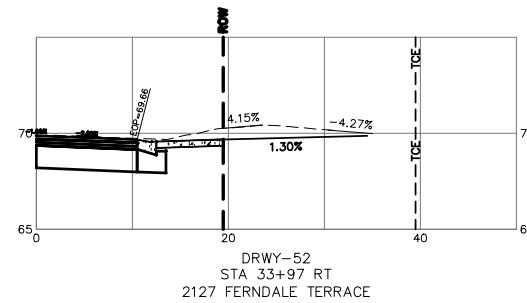
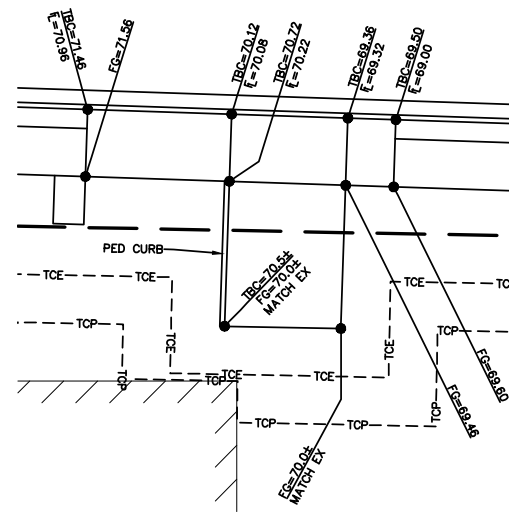




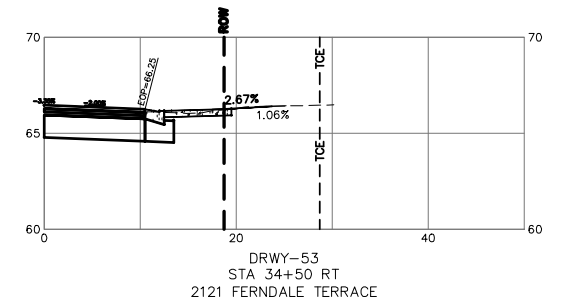
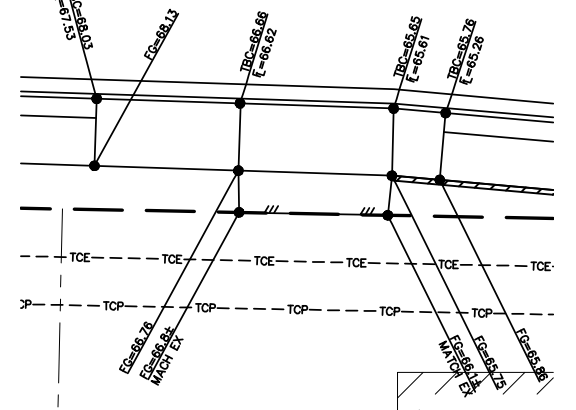
FERNDALE TERRACE



FERNDALE TERRACE



FERNDALE TERRACE



CONSTRUCTION  
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DESIGNED BY  
GS/EV  
DRAWN BY  
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CHECKED BY  
LP

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ENGINEERING INC  
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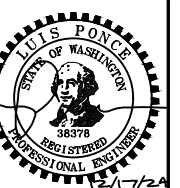
CITY OF FERNDALE  
2095 MAIN ST  
FERNDALE, WA 98248

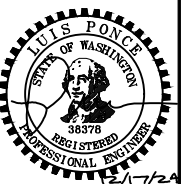
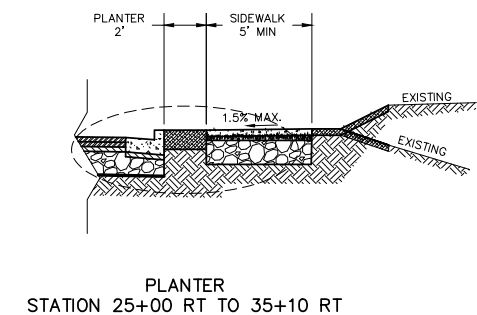
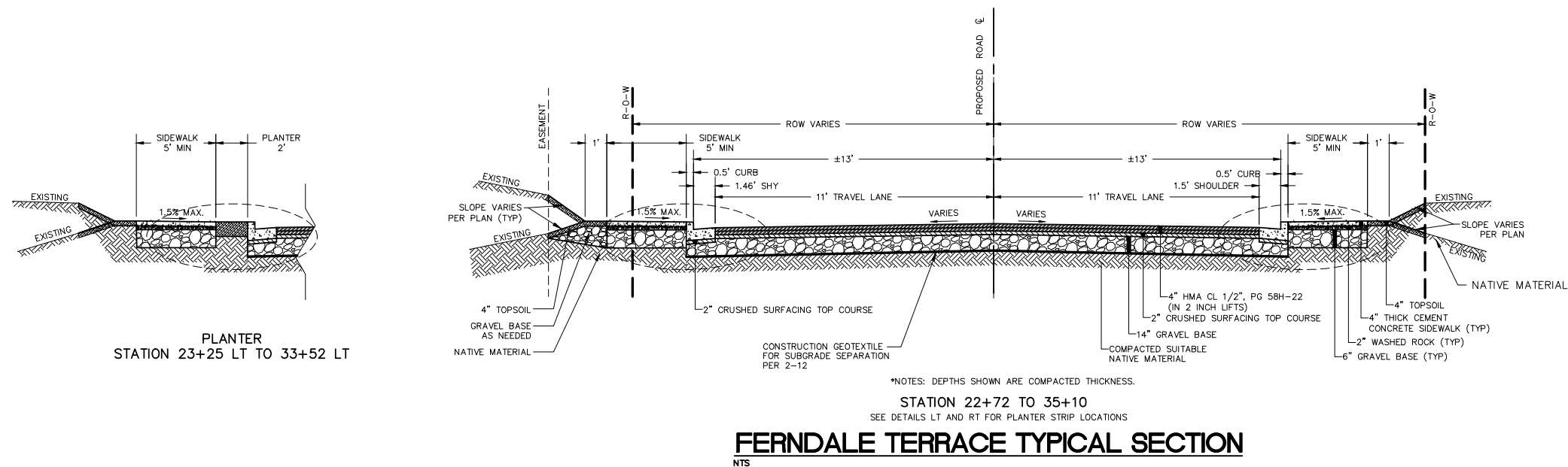
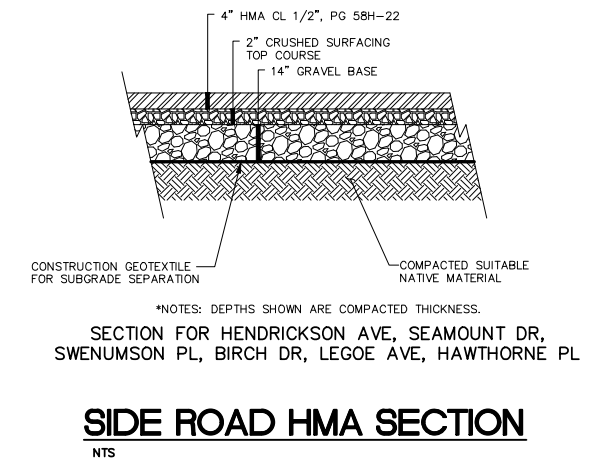
FERNDALE TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
DRIVEWAYS - 48, 50, 52, AND 53

DWG 18023 DWY  
JOB# 18023

SCALE  
H: 1"=10' V: 1"=5'

DATE  
12/17/24  
SHEET  
70  
of 85

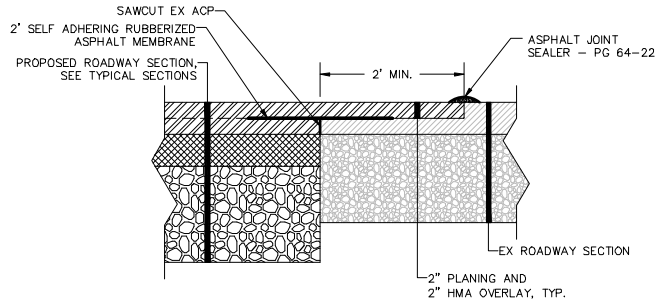




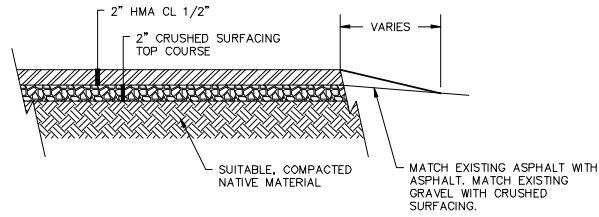
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| DWG 18023 DETAILS |                        | DATE<br>12/17/24     |
| JOB#<br>18023     | SCALE<br>H: N/A V: N/A | SHEET<br>71<br>of 85 |



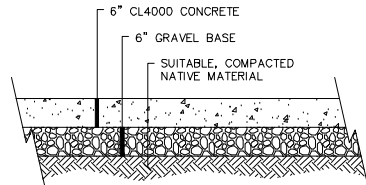
TEXTURED CONCRETE PAVEMENT  
NTS



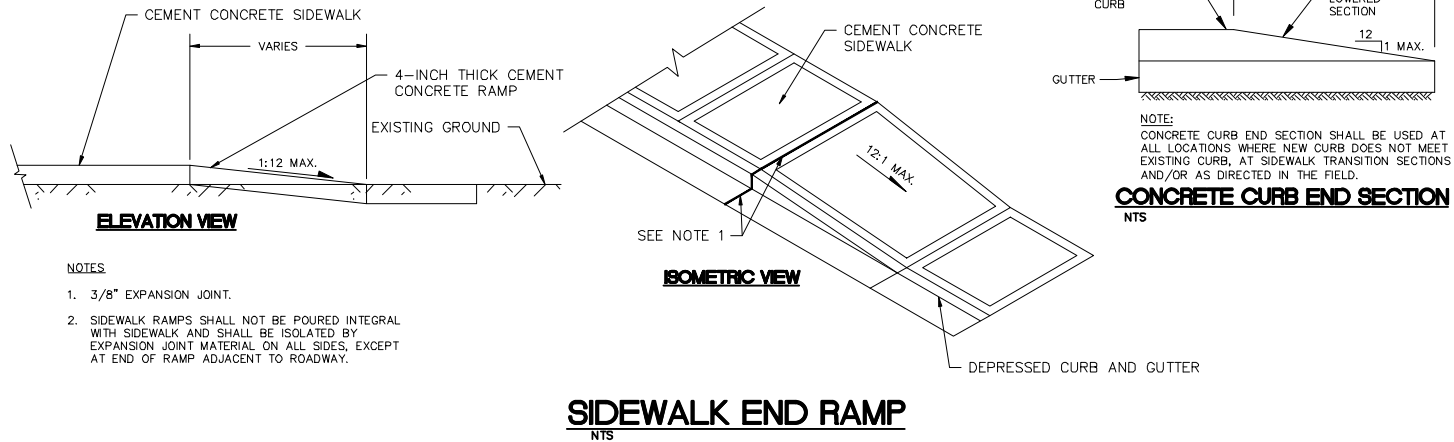
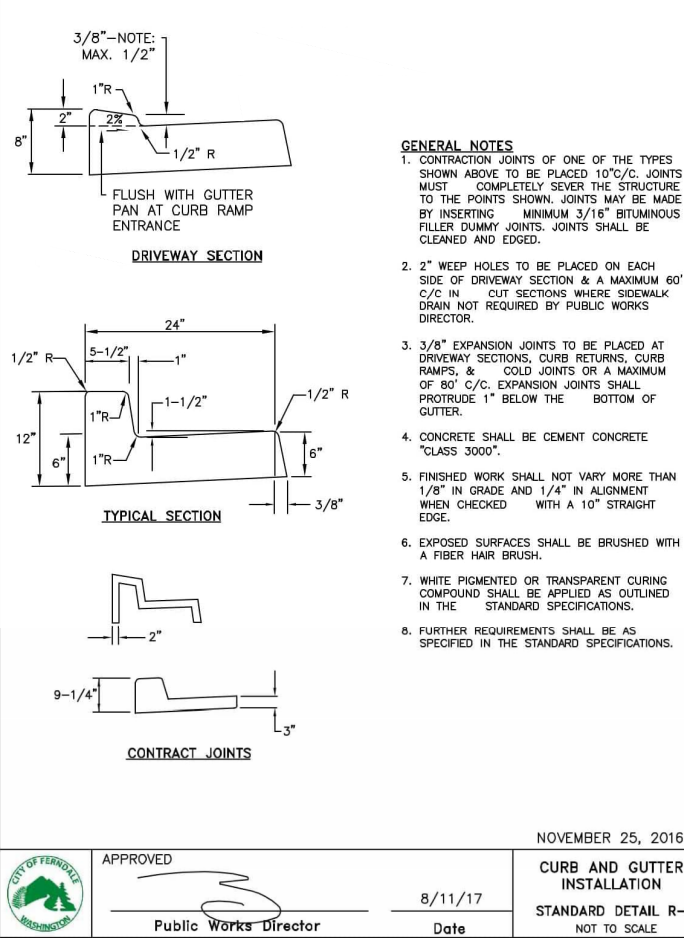
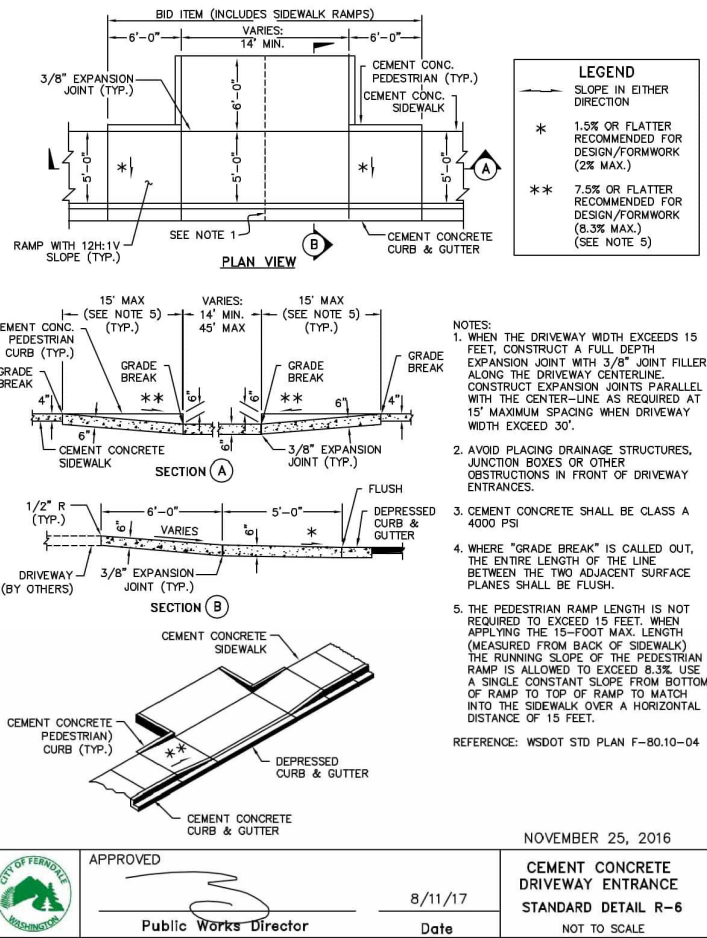
ROADWAY PAVEMENT  
MATCH SECTION  
NTS



HMA MATCH DETAIL AND  
COMMERCIAL HMA DRIVEWAY SECTION  
NTS



TYPICAL CONCRETE  
DRIVEWAY SECTION  
NTS



## CONSTRUCTION SET

DESIGNED BY  
GS/LMH  
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GS/LMH  
CHECKED BY  
LP

**R&E** Reichhardt & Ebe  
ENGINEERING INC  
P.O. Box 978 | 423 Front Street  
Lynden, WA 98264 (360) 354-3687

| NO. | DATE    | DESCRIPTION | BY |
|-----|---------|-------------|----|
| 1   | 1/17/25 | ADDENDUM 1  | GS |

CITY OF FERNDALE  
2095 MAIN ST  
FERNDALE, WA 98248

FERNDALE TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
MISC DETAILS

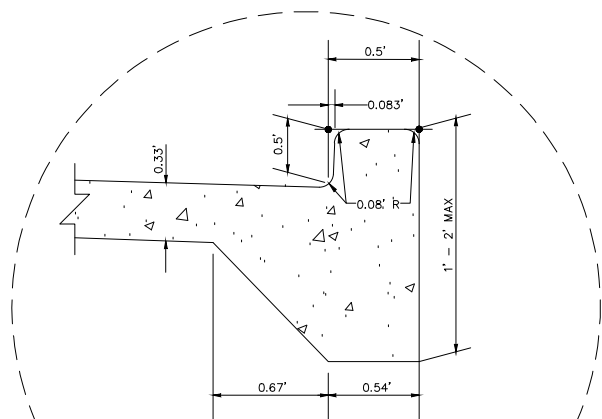
DWG 18023 DETAILS  
JOB# 18023

SCALE  
H: N/A V: N/A

DATE  
1/17/25  
SHEET  
72  
of 85

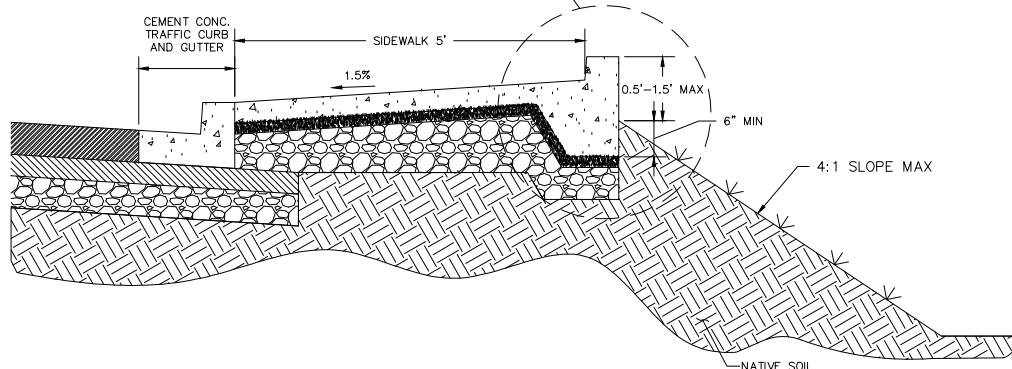






### RAISED EDGE MONOLITHIC CEMENT CONCRETE CURB AND SIDEWALK

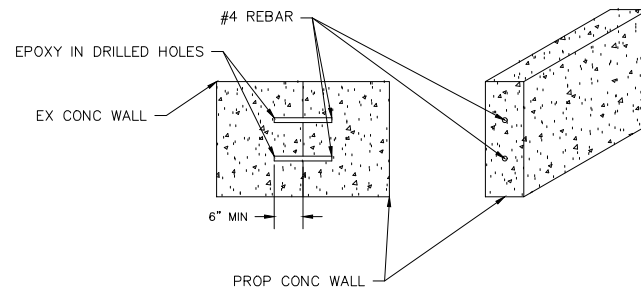
NTS



### TYPICAL SECTION W/ MONOLITHIC CURB, RAISED SIDEWALK EDGE AND FILL

NTS

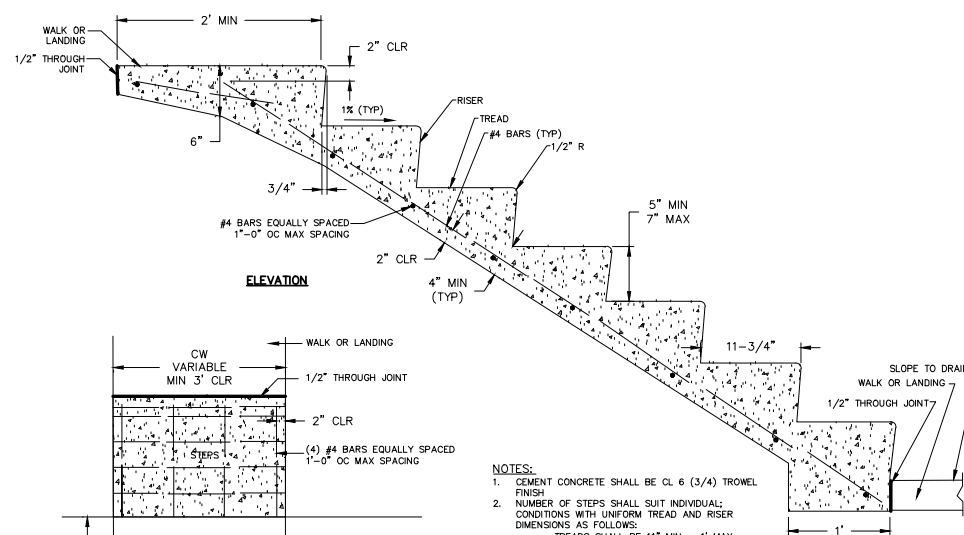
WALL 1 STA 15+58.20 TO 17+70.70  
WALL 2 STA 19+08.55 TO 20+59.29



### EX WALL CONNECTION

NTS

WALL 1 STA 15+58.20

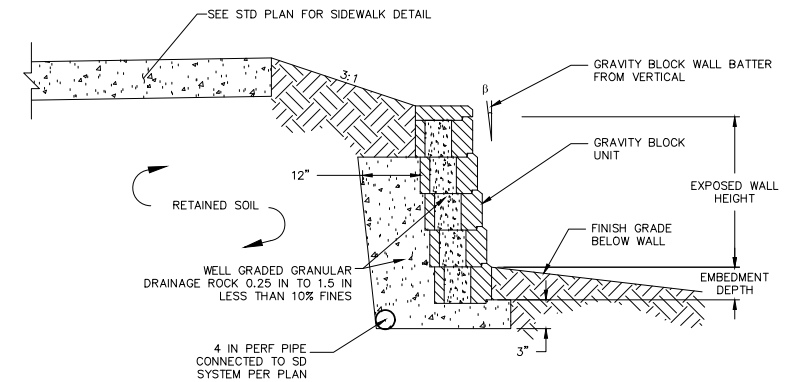


ELEVATION

PLAN VIEW

### CEMENT CONCRETE STEP DETAIL

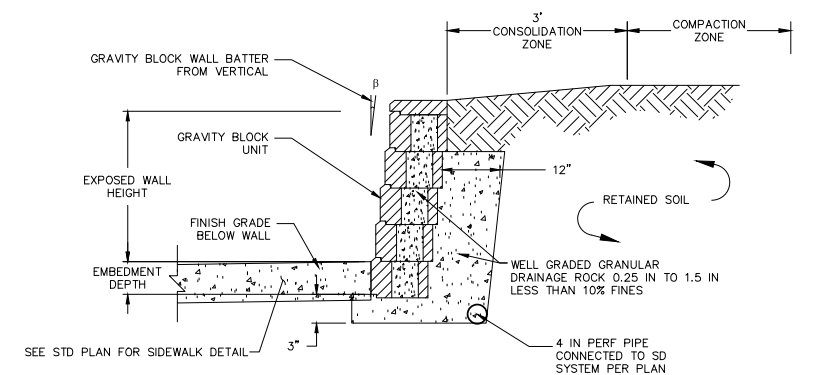
NTS



### GRAVITY BLOCK WALL

NTS

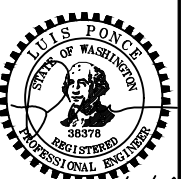
WALL 3 STA 24+90.19 TO 25+40.40



### GRAVITY BLOCK WALL

NTS

WALL 4 STA 34+57.99 TO 35+10.53



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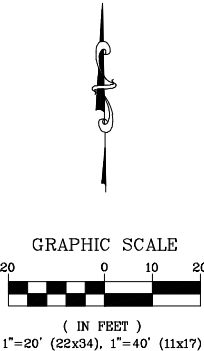
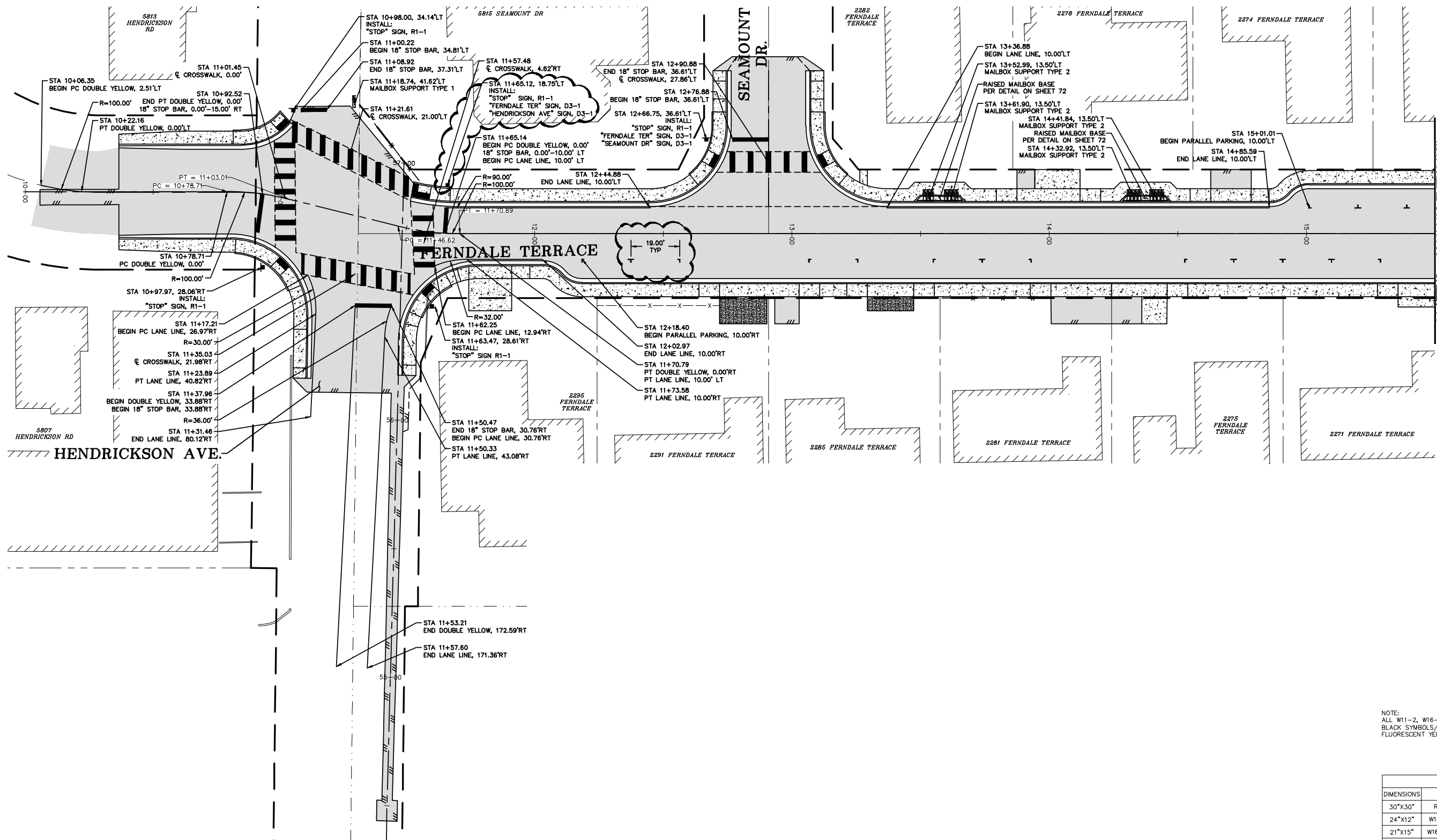
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CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

FERNDAL TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
WALL DETAILS

|                     |                     |
|---------------------|---------------------|
| DWG # 18023 DETAILS | DATE 12/17/24       |
| JOB # 18023         | SCALE H: N/A V: N/A |
| SHEET 73 of 85      |                     |



NOTE:  
ALL W11-2, W16-9P, AND W16-7PL SHALL BE  
BLACK SYMBOLS/LEGENDS/BORDERS ON  
FLUORESCENT YELLOW GREEN BACKGROUND.

| SIGN DIMENSIONS |         |          |       |       |
|-----------------|---------|----------|-------|-------|
| DIMENSIONS      | SIGN    |          |       |       |
| 30"x30"         | R1-1    | W2-6     | W11-2 | W17-1 |
| 24"x12"         | W16-9P  | W16-12aP |       |       |
| 21"x15"         | W16-7PL |          |       |       |
| 18"x18"         | W13-1P  |          |       |       |



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| NO. | DATE    | DESCRIPTION | BY |
|-----|---------|-------------|----|
| 1   | 1/17/25 | ADDENDUM 1  | GS |

CITY OF FERDALE  
2095 MAIN ST  
FERDALE, WA 98248

FERDALE TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
CHANNELIZATION PLAN - STA 10+00 TO 15+50

DWG 18023 CHAN  
JOB# 18023

SCALE  
H: 1" = 20' V: N/A

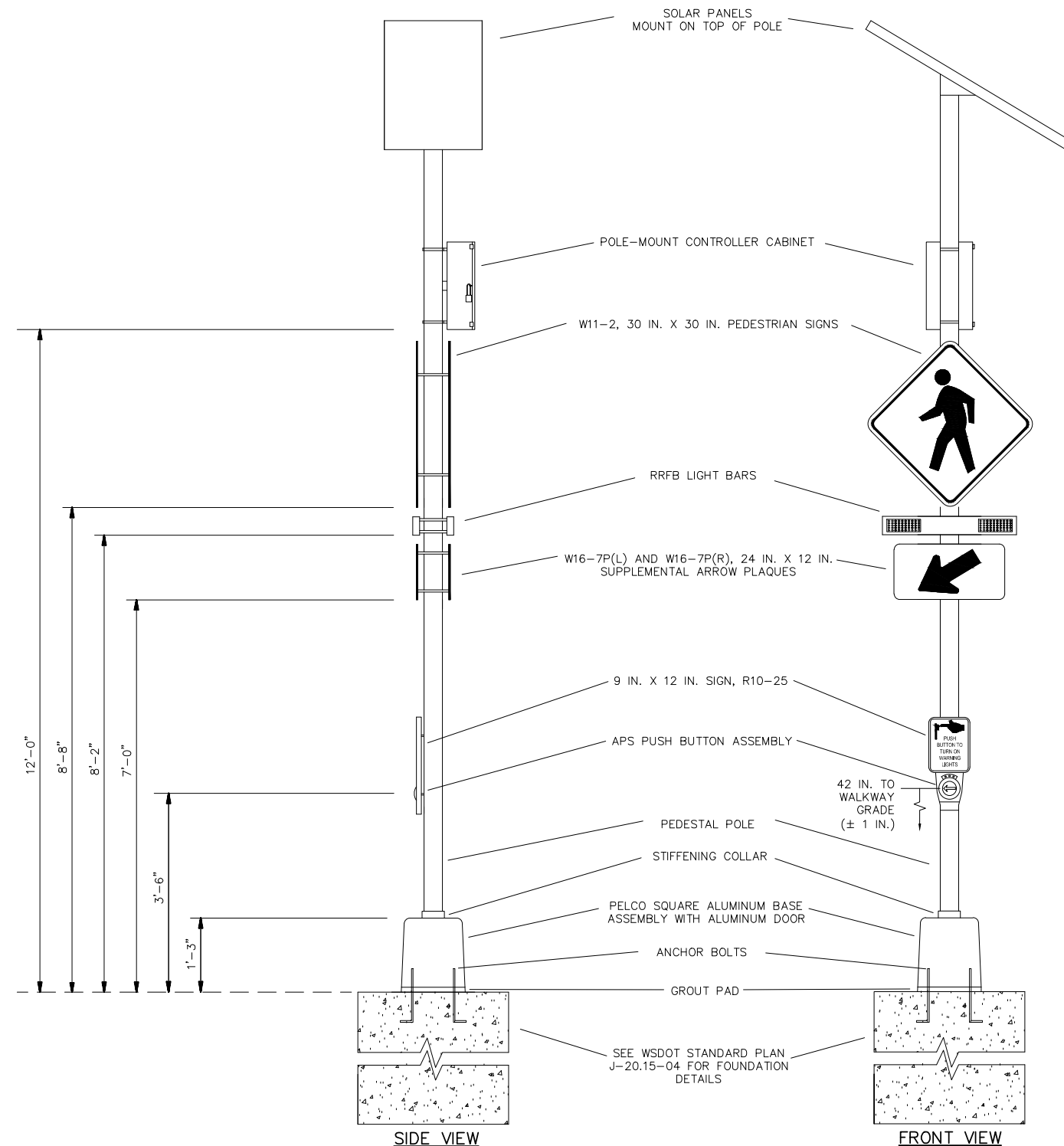
DATE 1/17/25  
SHEET 74  
of 85











RECTANGULAR RAPID FLASH BEACON ASSEMBLY DETAIL  
(NOT TO SCALE)

#### RRFB NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2024 WSDOT STANDARD SPECIFICATIONS FOR ROAN, BRIDGE, AND MUNICIPAL CONSTRUCTION AND ITS AMENDMENTS. SPECIAL PROVISIONS, WSDOT STANDARD PLANS AND NATIONAL ELECTRICAL CODE (ALL CURRENT VERSIONS).
2. USE STAINLESS STEEL MOUNTING CLAMPS AND BRACKETS TO MOUNT SIGNS, RRFB AND CONTROLLER CABINET TO POLE.
3. ALL APS PUSH BUTTONS (FACE OF PUSH BUTTON) SHALL BE ORIENTED AS SHOWN ON PLANS AND PARALLEL WITH CROSSWALK.
4. CONTRACTOR SHALL CONSTRUCT EACH RRFB ASSEMBLY AS SHOWN INCLUDING INTERNAL WIRING TERMINATIONS PER MANUFACTURER'S RECOMMENDATIONS.
5. ALL RRFB FOUNDATIONS AND SIGN LOCATIONS SHALL BE POTHOLED FOR UNDERGROUND UTILITIES PRIOR TO INSTALLATION.
6. CONTRACTOR SHALL INSTALL TEMPORARY 36"x36" W20-901 "TRAFFIC REVISION AHEAD" SIGNS WITH BLACK LEGENDS AND ORANGE BACKGROUNDS ON 4"x4" TIMBER POSTS AT THE LOCATIONS STAKED BY ENGINEER (TOTAL OF TWO) PRIOR TO RRFB TURN-ON. INSTALL TWO ORANGE FLAGS AT TOP OF EACH POST. REMOVE SIGNS, FLAGS AND POTS 30 DAYS AFTER TURN-ON.
7. ANY OVERHEAD POWER (INCLUDING NEUTRAL CONDUCTORS) THAT WOULD BE LESS THAN 10' AWAY FROM ANY PART OF THE RRFB SYSTEMS SHALL BE MODIFIED TO PROVIDE MIN. 10' OF CLEARANCE PRIOR TO INSTALLING SAID EQUIPMENT.
8. ANY OVERHEAD COMMUNICATIONS CABLES THAT WOULD BE LESS THAN 1' AWAY FROM ANY PART OF THE RRFB SYSTEMS SHALL BE MODIFIED TO PROVIDE MIN. 1' OF CLEARANCE PRIOR TO INSTALLING SAID EQUIPMENT.
9. CONSTRUCT FLAT TYPE FOUNDATION AT LOCATION SHOWN PER WSDOT STANDARD PLAN J-20.15-04, EXCEPT ANCHOR BOLTS SHALL BE PER POLE MANUFACTURER'S RECOMMENDATION. INSTALL RRFB ASSEMBLY PER DETAIL.



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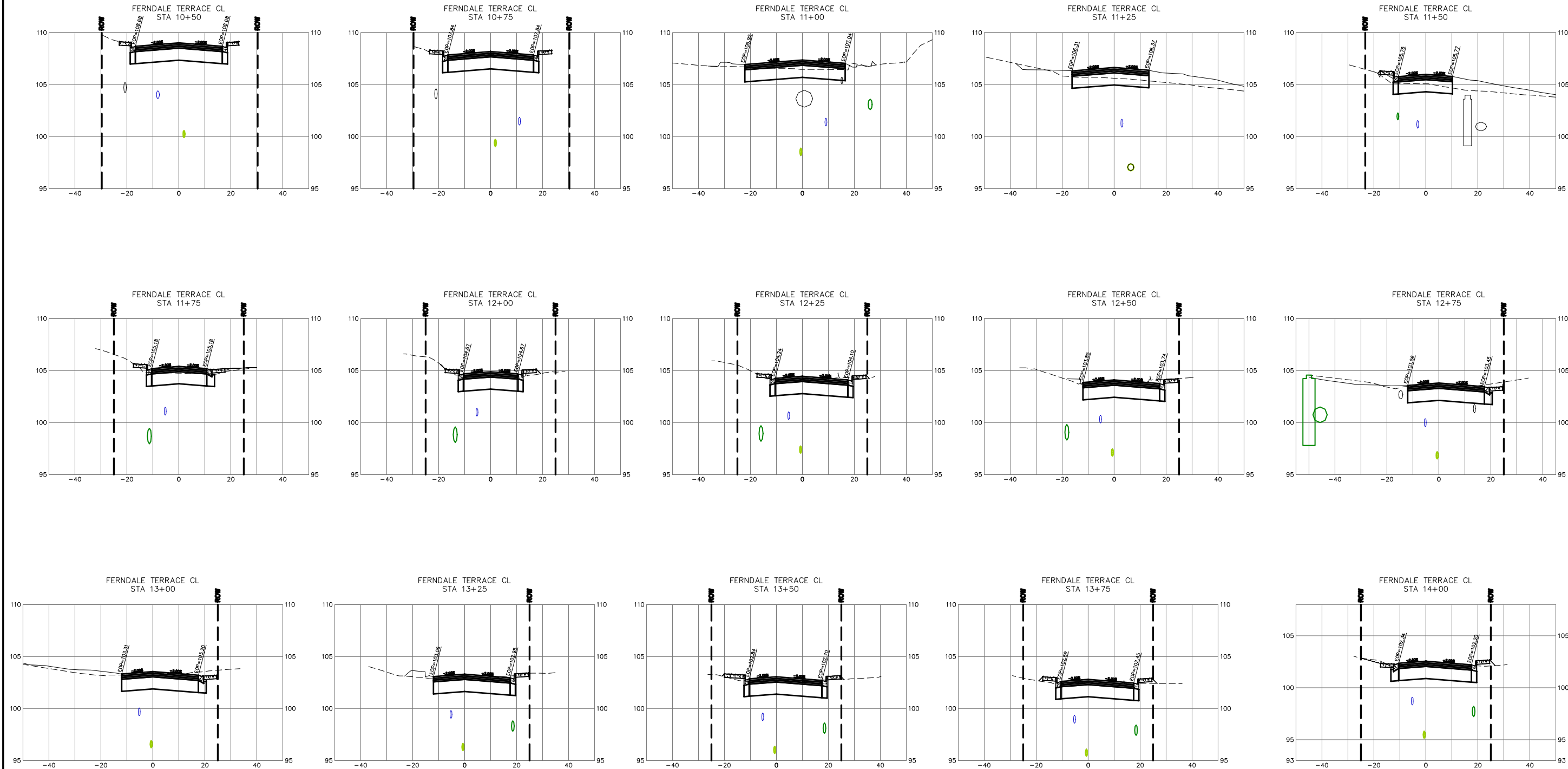
**R&E** Reichhardt & Ebe  
ENGINEERING INC  
P.O. Box 978 | 423 Front Street  
Lynden, WA 98264 (360) 354-3687

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|     |      |             |    |
|     |      |             |    |

CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

**FERNDAL TERRACE PROJECT**  
VISTA DRIVE TO HENDRICKSON AVENUE  
RRFB DETAIL

|                   |        |          |
|-------------------|--------|----------|
| DWG 18023 DETAILS |        | DATE     |
| JOB# 18023        |        | 12/17/24 |
| SCALE             | H: N/A | V: N/A   |
| SHEET             |        | 78       |
|                   |        | of 85    |



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|     |      |             |    |

CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

FERNDAL TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
CROSS SECTIONS (I)

DWG 18023 CROSS SECTION

JOB#

18023

SCALE

H: 1" = 20' V: 1" = 2'

DATE

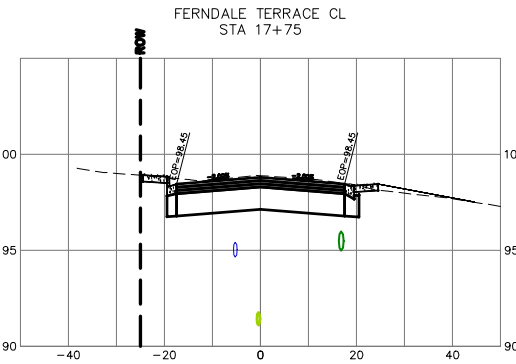
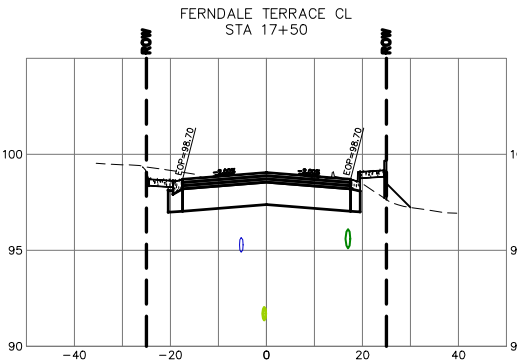
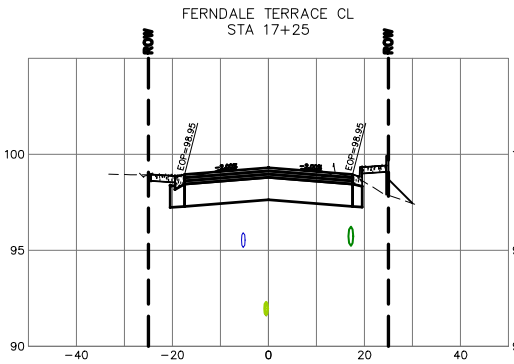
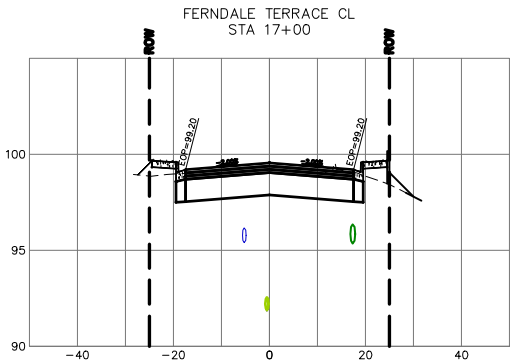
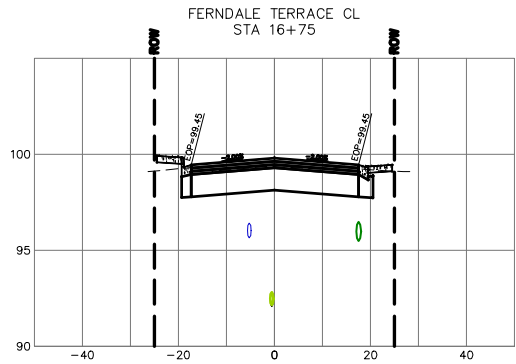
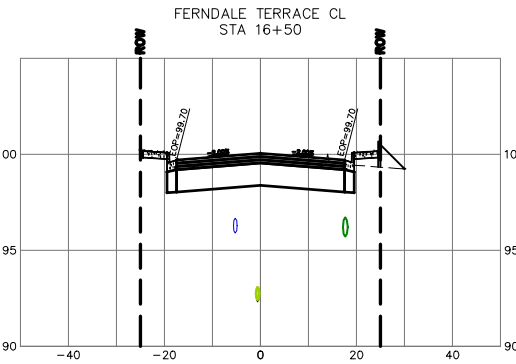
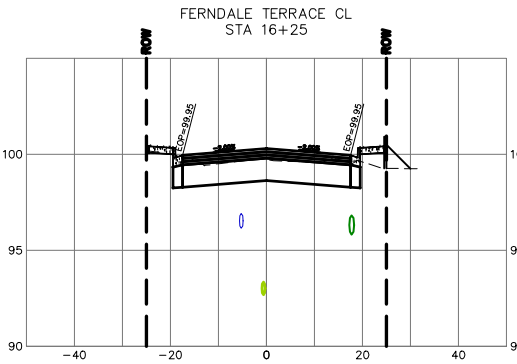
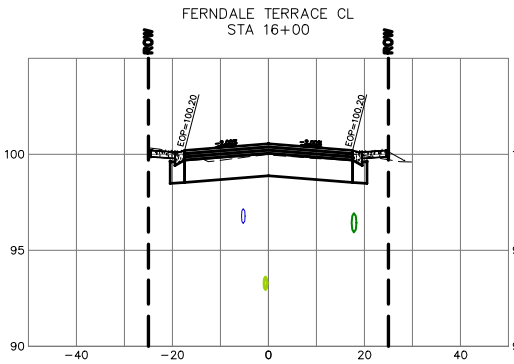
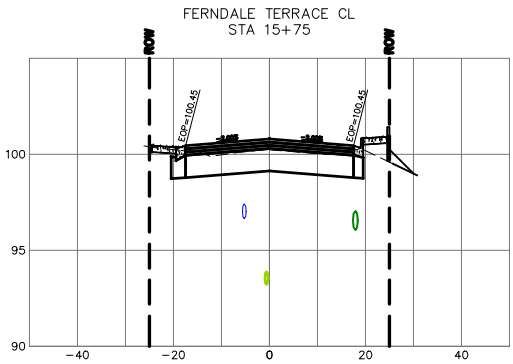
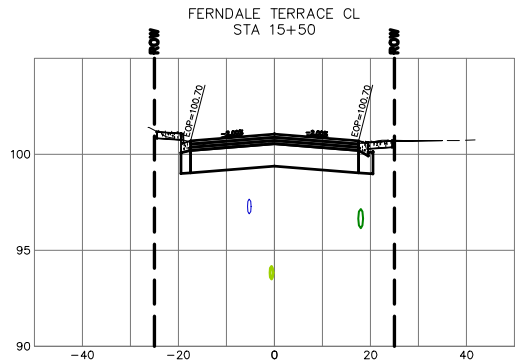
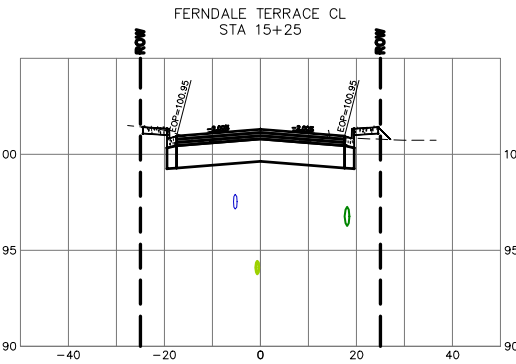
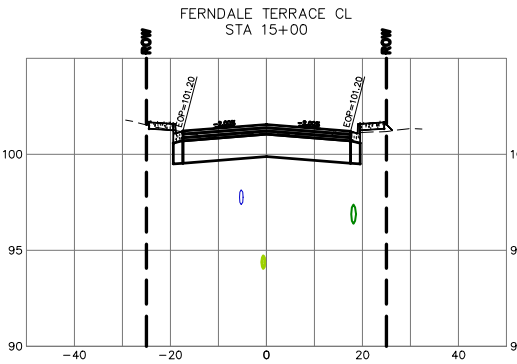
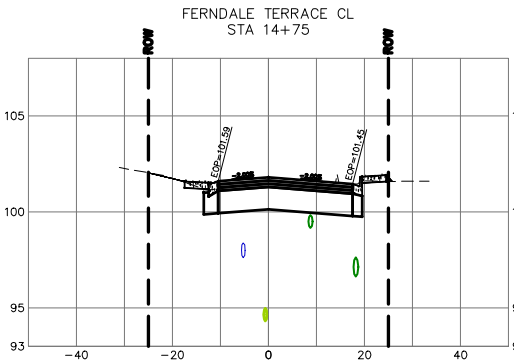
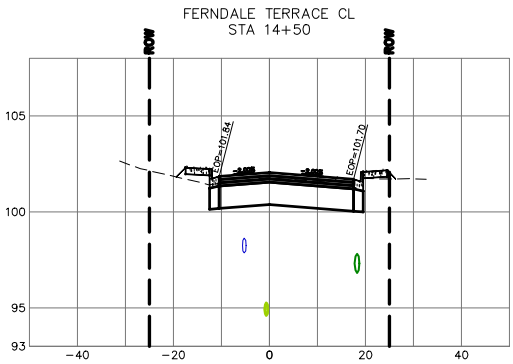
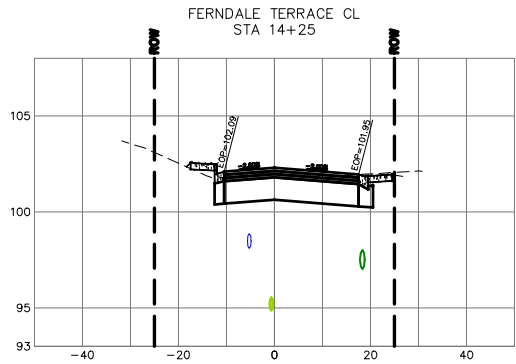
12/17/24

SHEET

79  
of 85



12/17/24



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ENGINEERING INC  
P.O. Box 978 | 423 Front Street  
Lynden, WA 98264 (360) 354-3687

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|     |      |             |    |

CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

FERNDAL TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
CROSS SECTIONS (2)

DWG 18023 CROSS SECTION

JOB#

18023

SCALE

H: 1" = 20' V: 1" = 2'

DATE

12/17/24

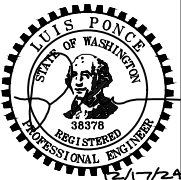
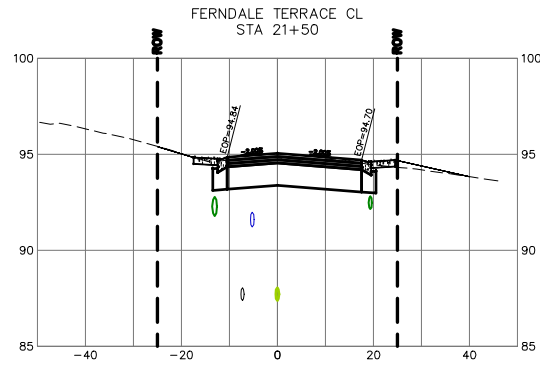
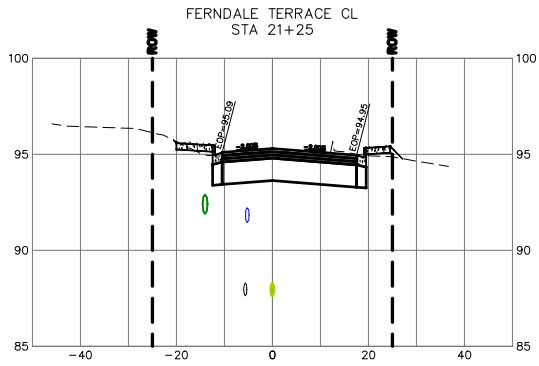
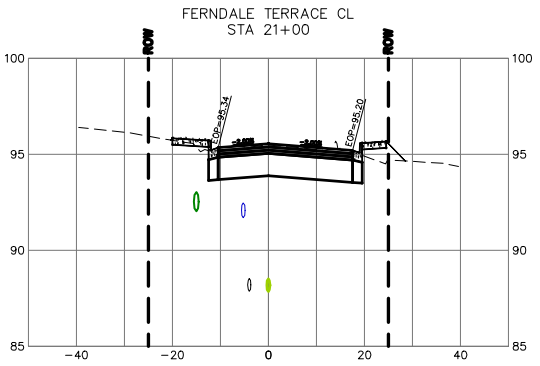
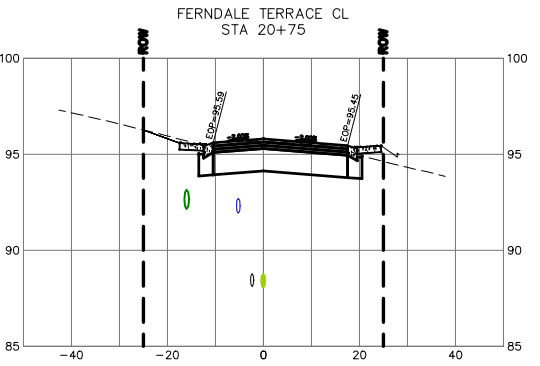
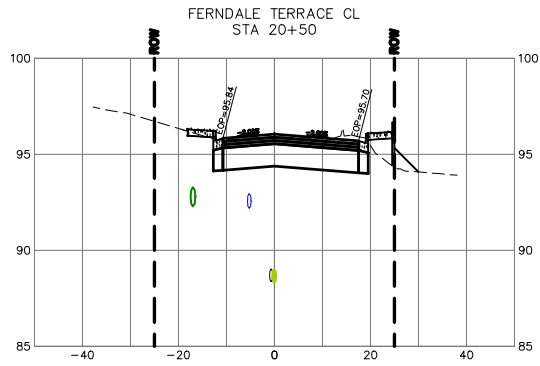
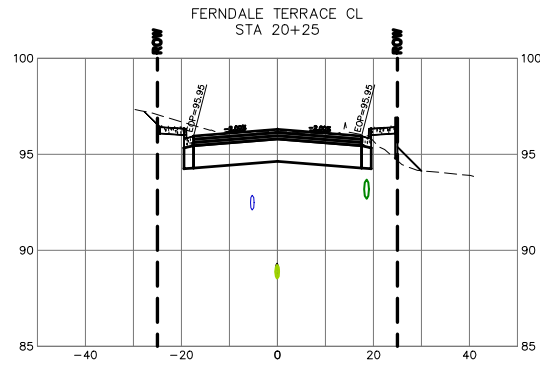
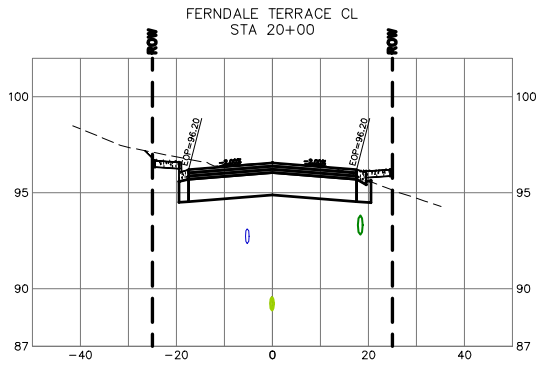
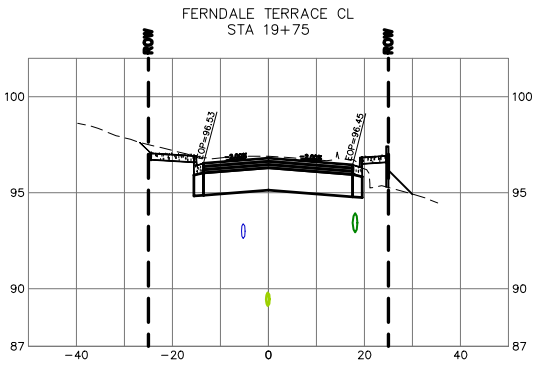
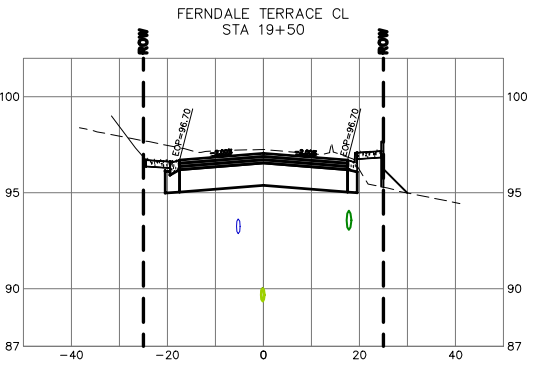
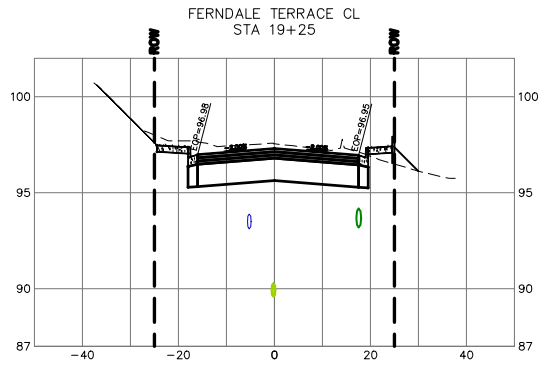
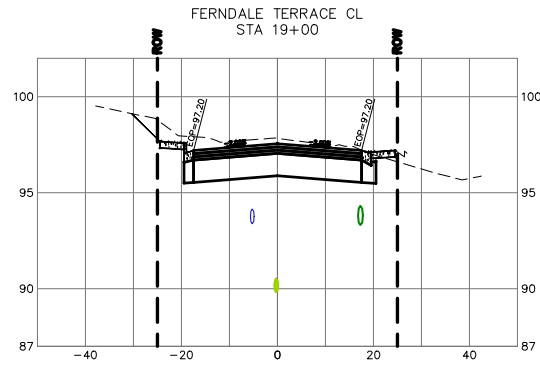
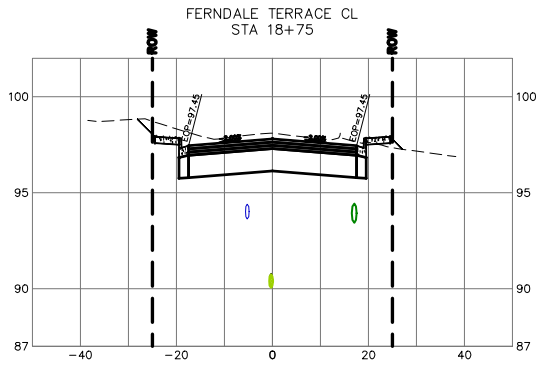
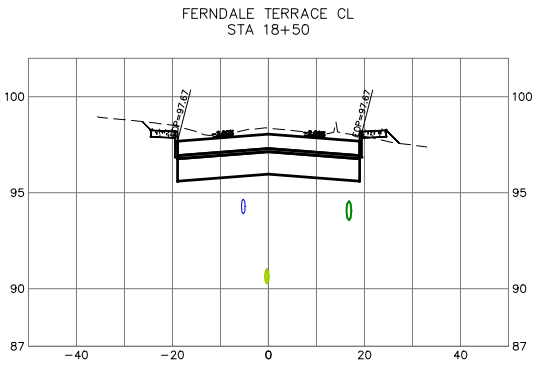
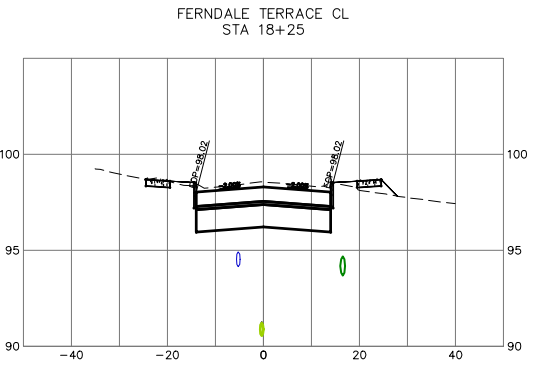
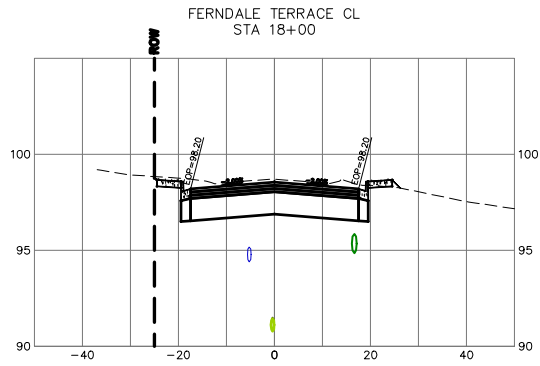
SHEET

80

of 85







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SET**

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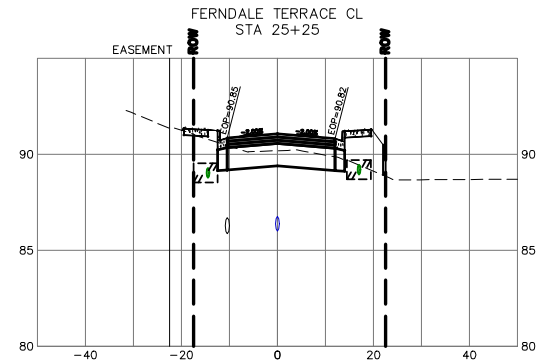
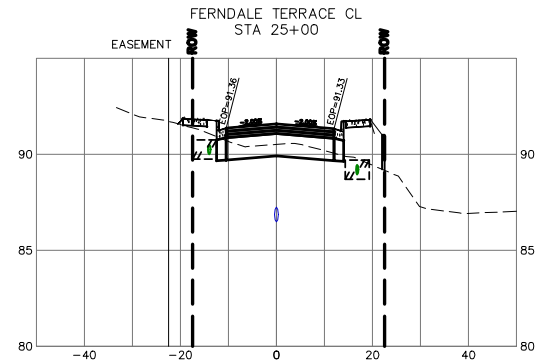
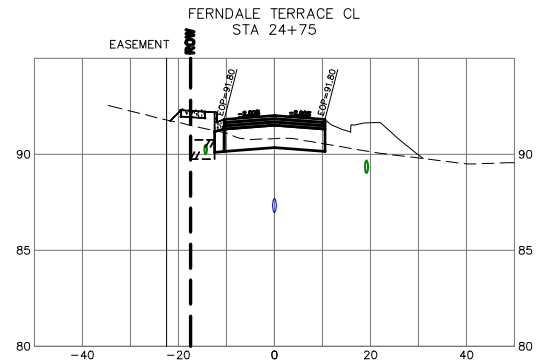
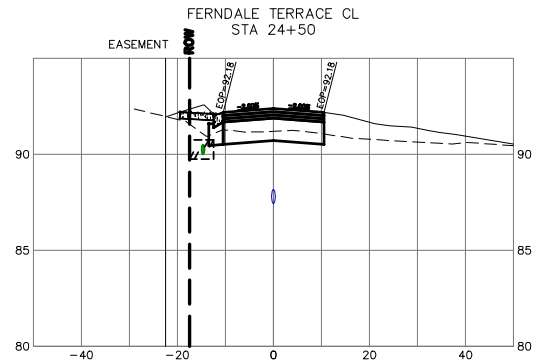
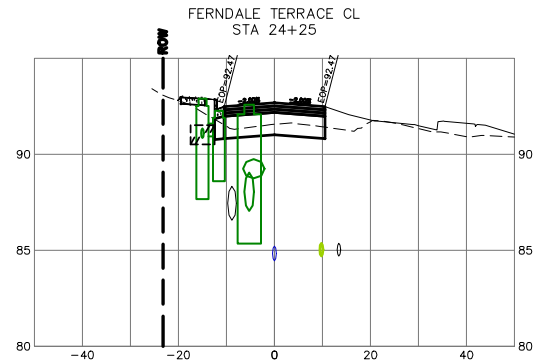
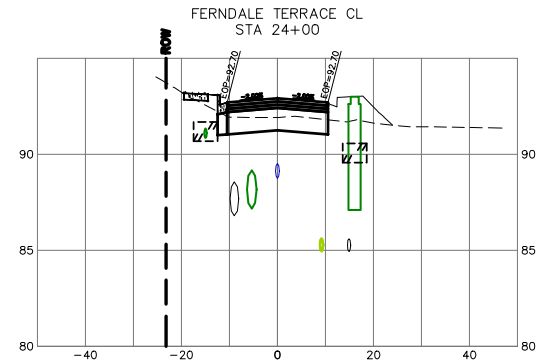
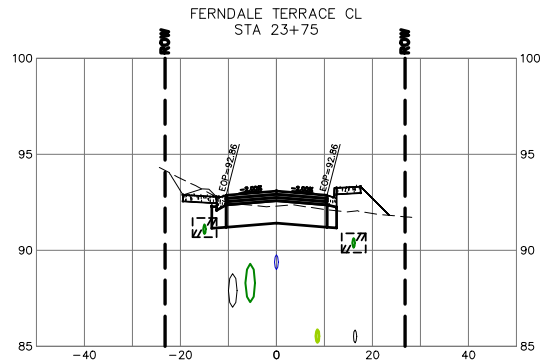
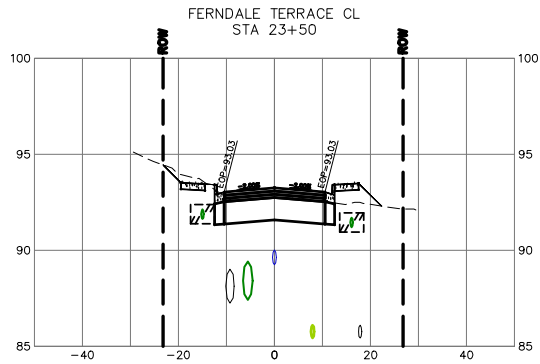
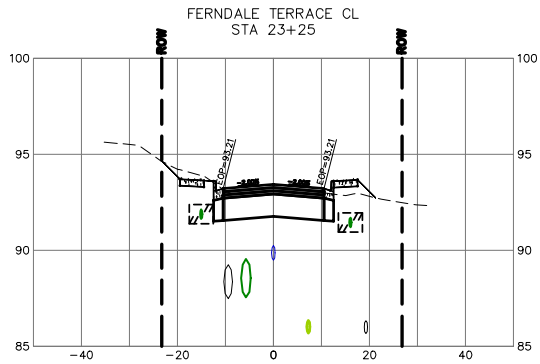
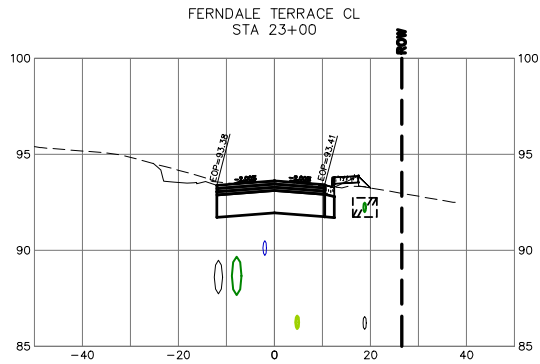
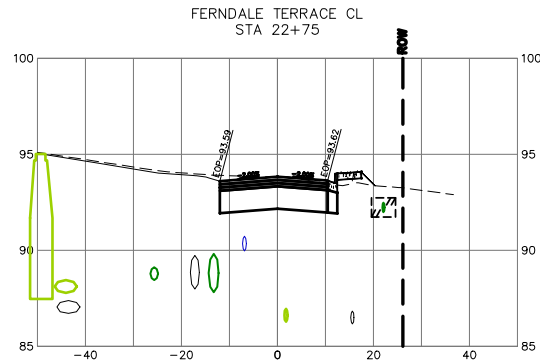
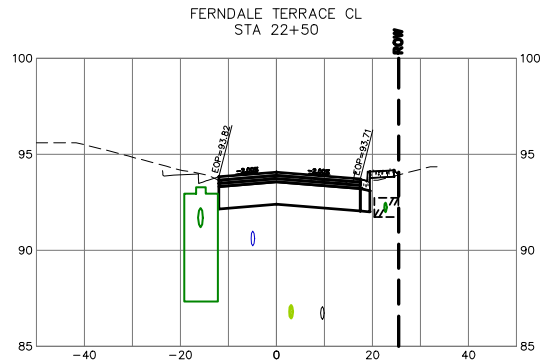
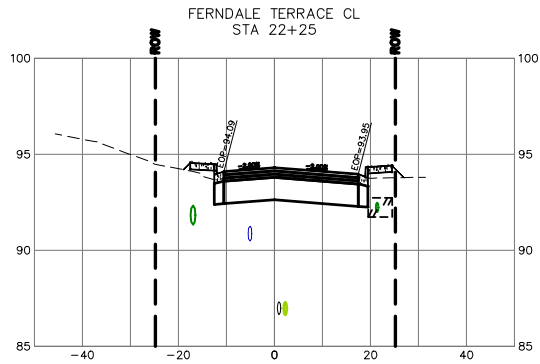
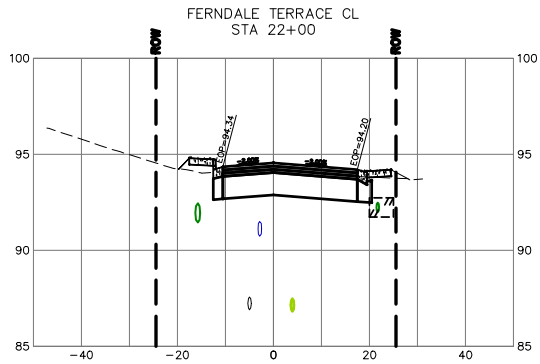
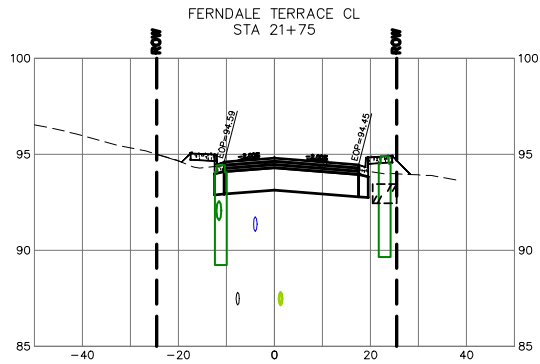
**R&E** Reichhardt & Ebe  
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P.O. Box 978 | 423 Front Street  
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| NO. | DATE | DESCRIPTION | BY |
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|     |      |             |    |

CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

FERNDAL TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
CROSS SECTIONS (3)

|                         |                              |
|-------------------------|------------------------------|
| DWG 18023 CROSS SECTION | DATE 12/17/24                |
| JOB# 18023              | SCALE H: 1" = 20' V: 1" = 2' |
| SHEET 81 of 85          |                              |



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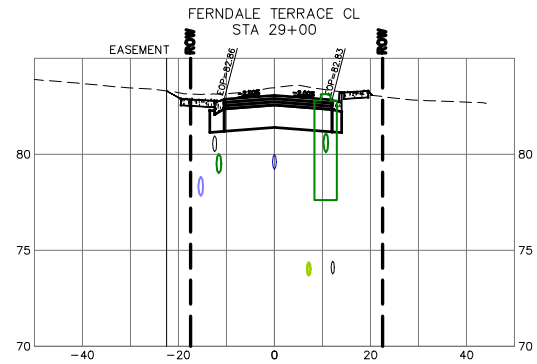
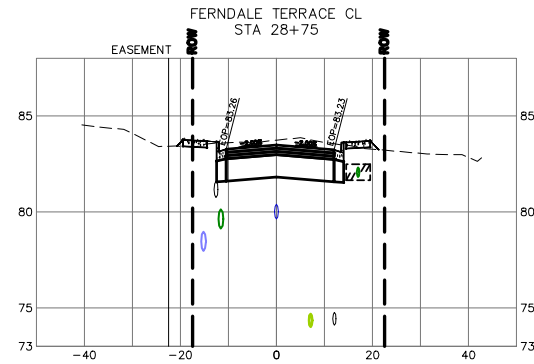
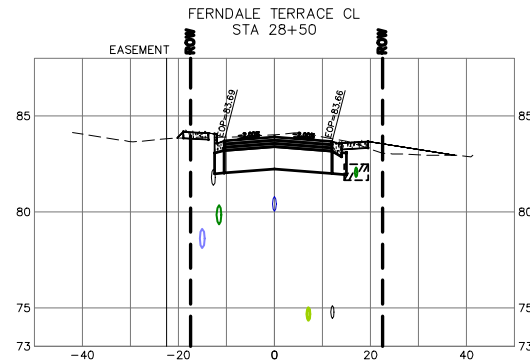
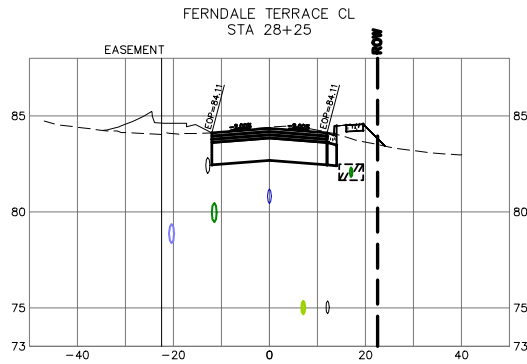
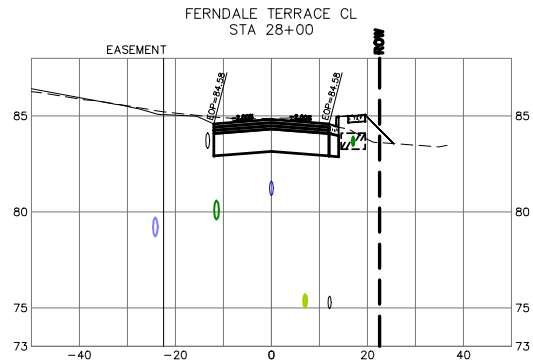
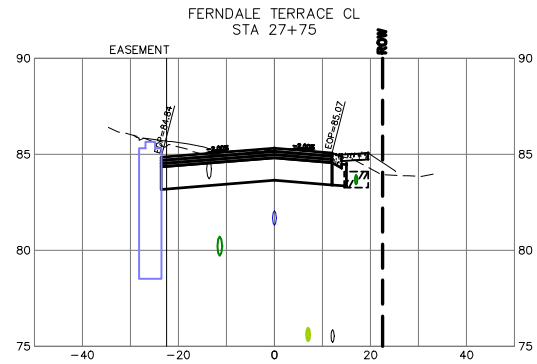
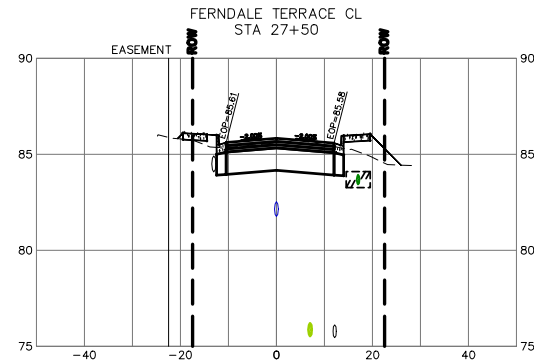
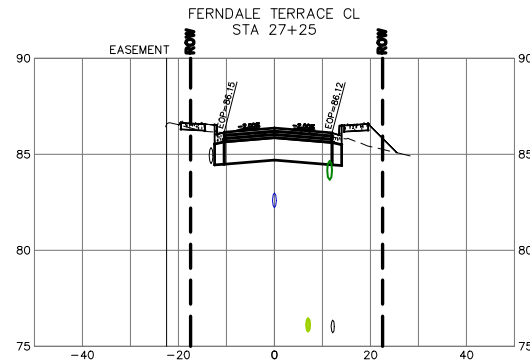
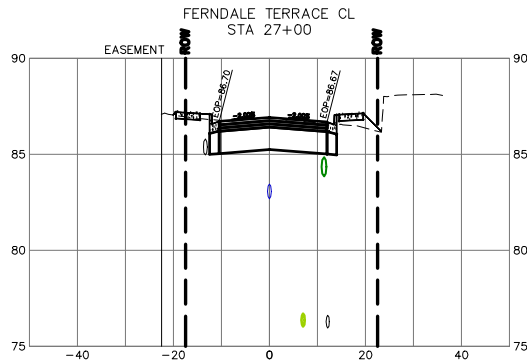
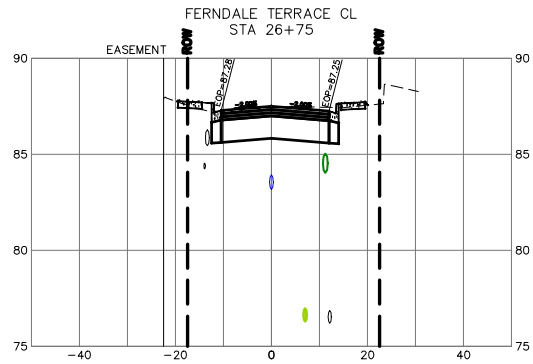
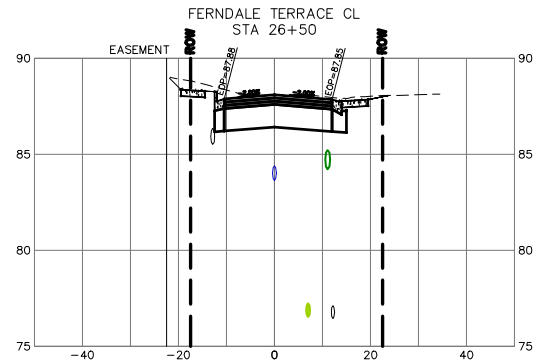
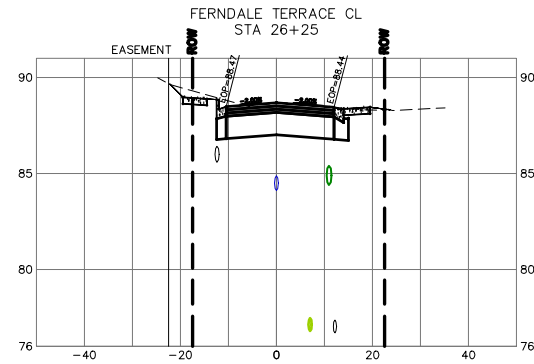
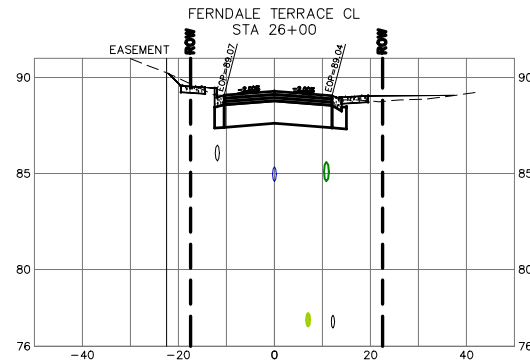
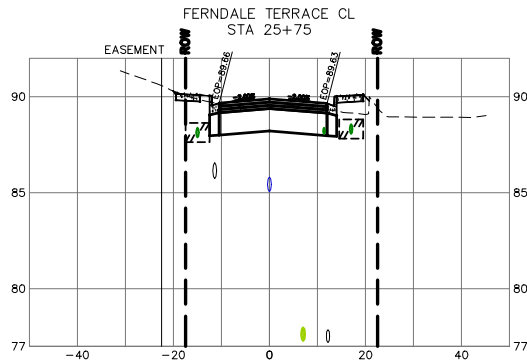
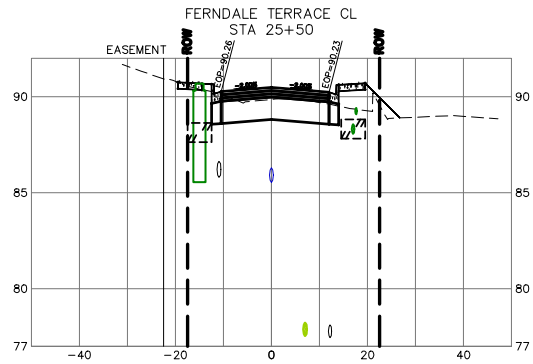
CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

FERNDAL TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
CROSS SECTIONS (4)

DWG 18023 CROSS SECTION  
JOB# 18023  
SCALE H: 1" = 20' V: 1" = 2'

DATE 12/17/24  
SHEET 82 of 85





# CONSTRUCTION SET

DESIGNED BY  
GS/LMH  
DRAWN BY  
GS/LMH  
CHECKED BY  
LP

**R&E** Reichhardt & Ebe  
ENGINEERING INC  
P.O. Box 978 | 423 Front Street  
Lynden, WA 98264 (360) 354-3687

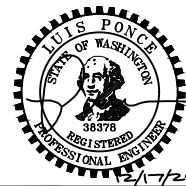
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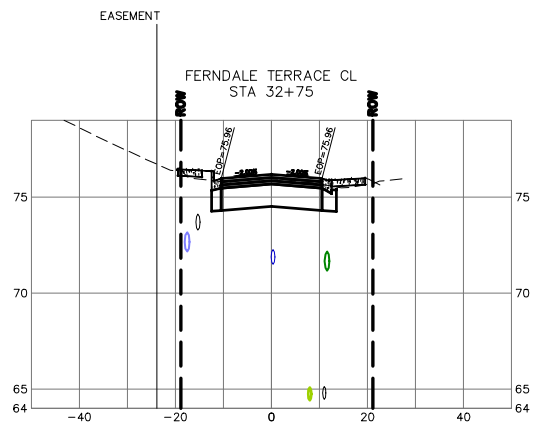
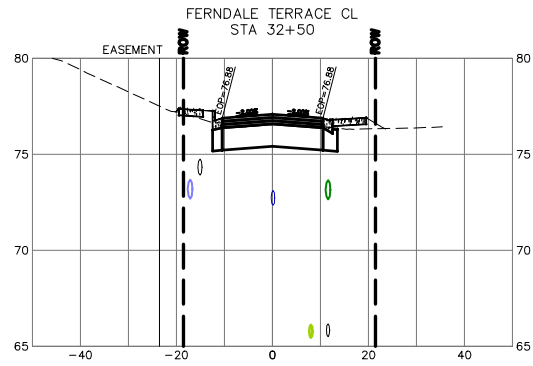
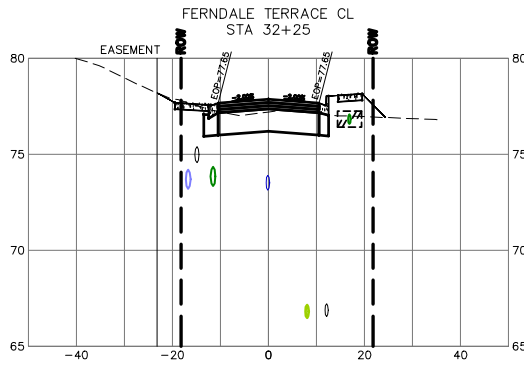
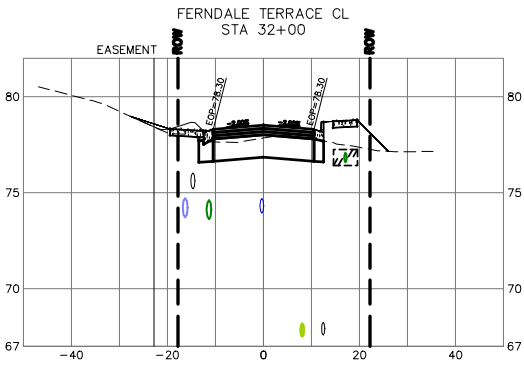
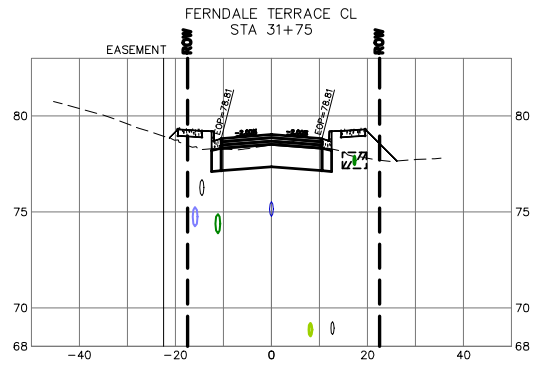
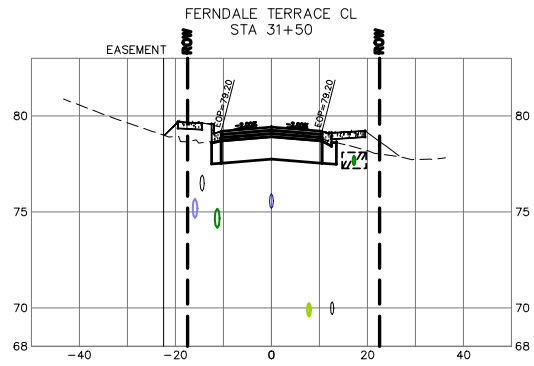
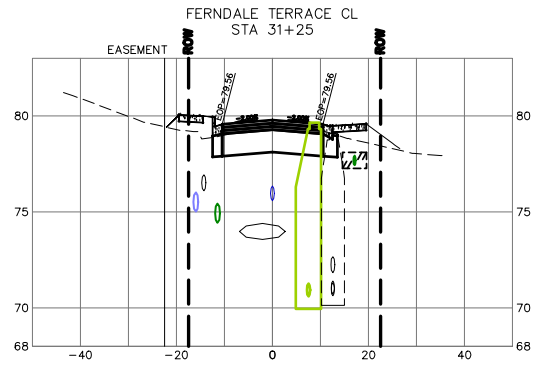
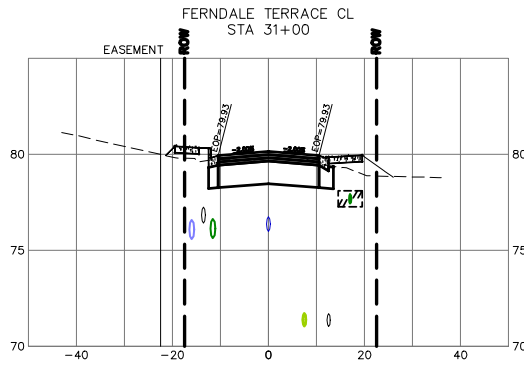
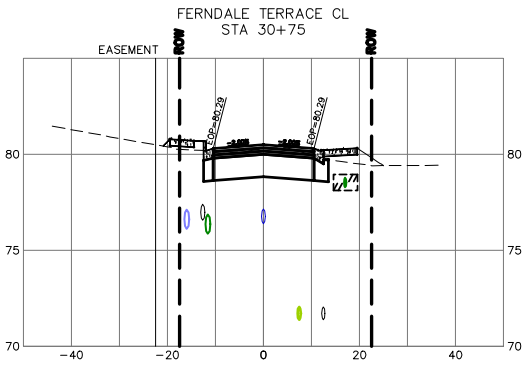
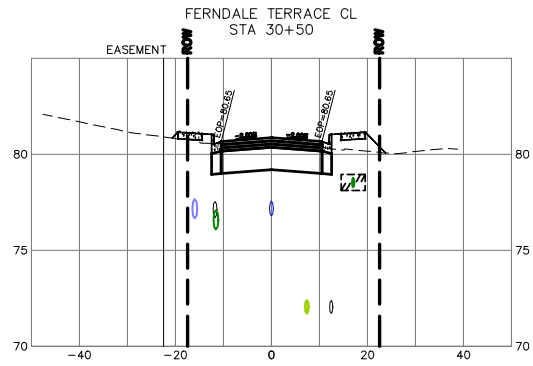
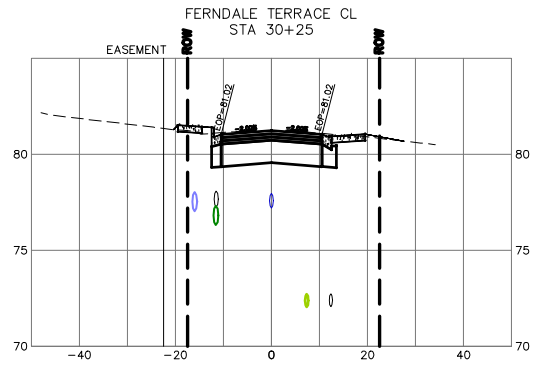
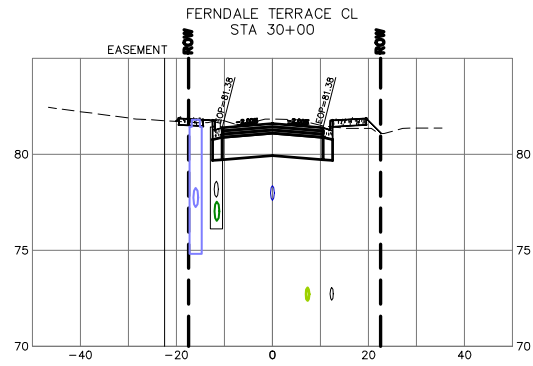
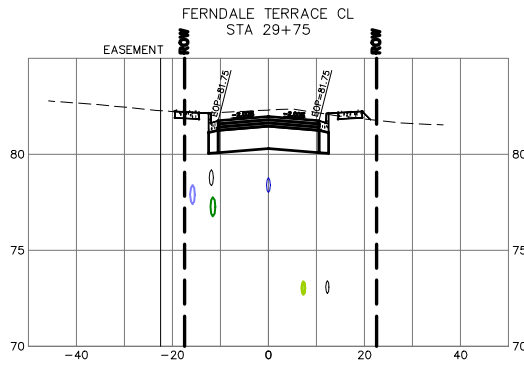
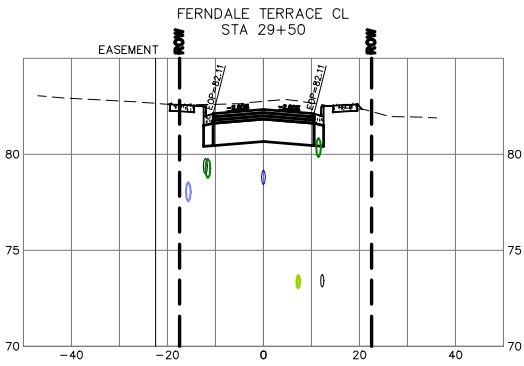
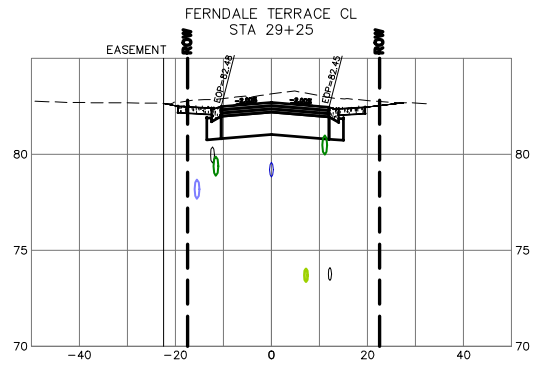
CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

FERNDAL TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
CROSS SECTIONS (5)

DWG 18023 CROSS SECTION  
JOB# 18023  
SCALE H: 1" = 20' V: 1" = 2'

DATE 12/17/24  
SHEET 83  
of 85





CONSTRUCTION  
SET

DESIGNED BY  
GS/LMH  
DRAWN BY  
GS/LMH  
CHECKED BY  
LP

**R&E** Reichhardt & Ebe  
ENGINEERING INC  
P.O. Box 978 | 423 Front Street  
Lynden, WA 98264 (360) 354-3687

| NO. | DATE | DESCRIPTION | BY |
|-----|------|-------------|----|
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|     |      |             |    |
|     |      |             |    |

CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

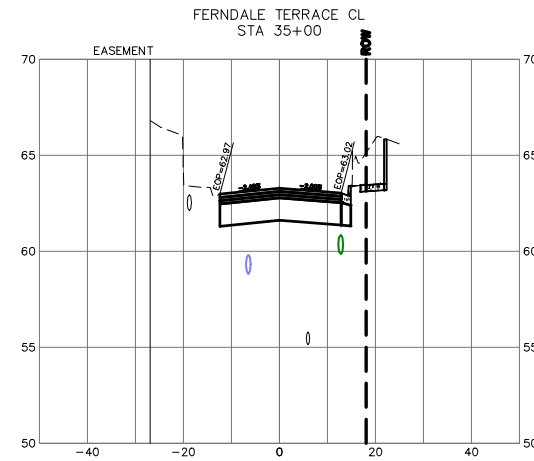
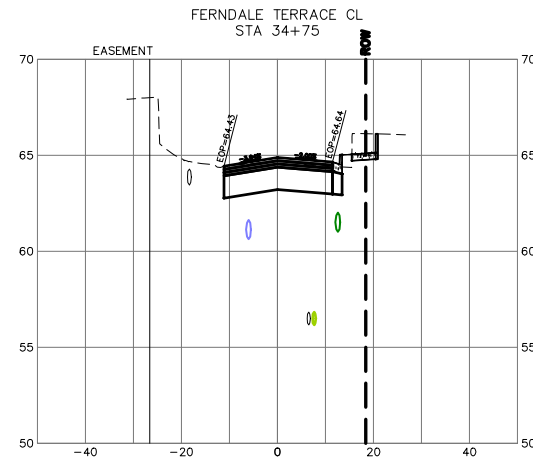
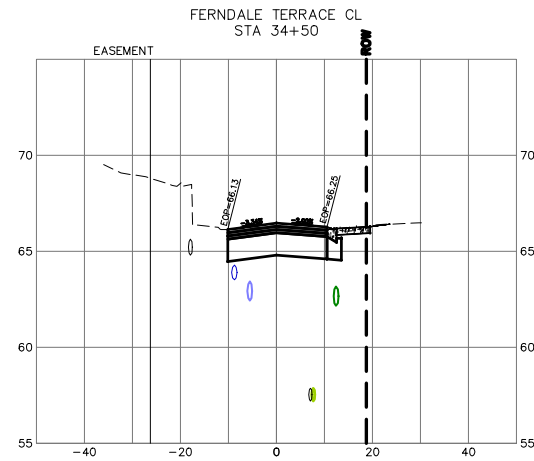
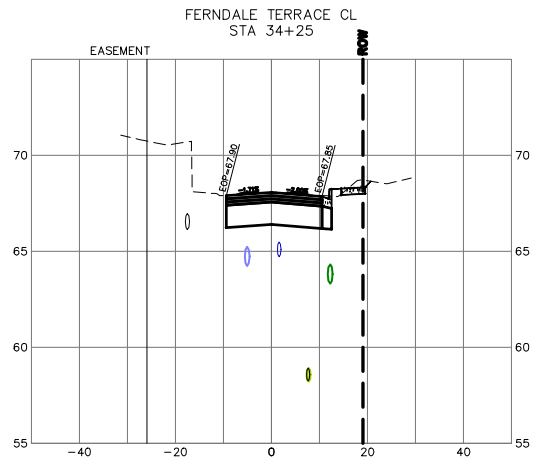
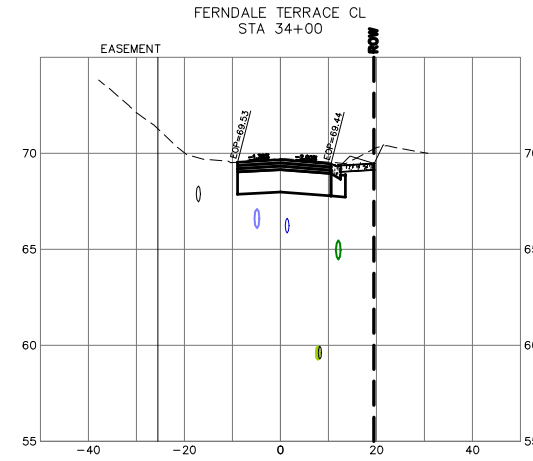
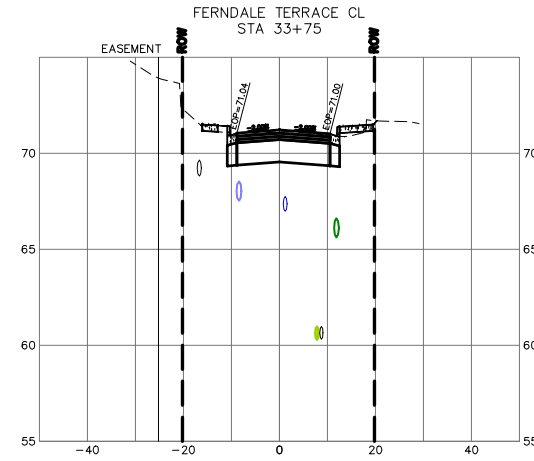
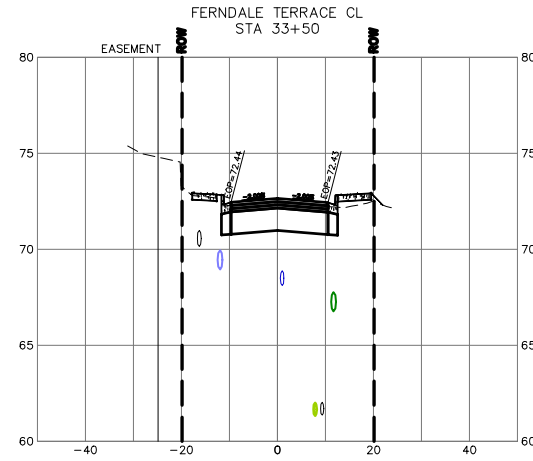
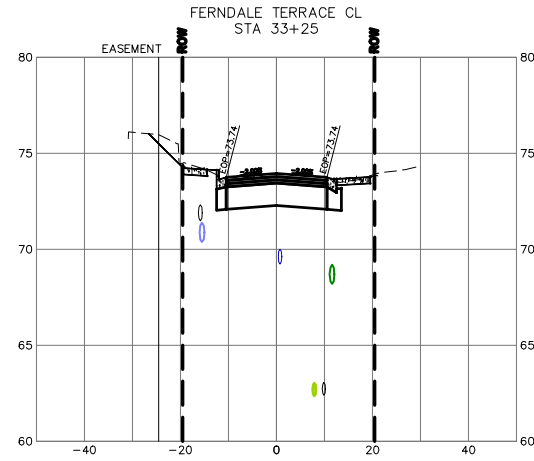
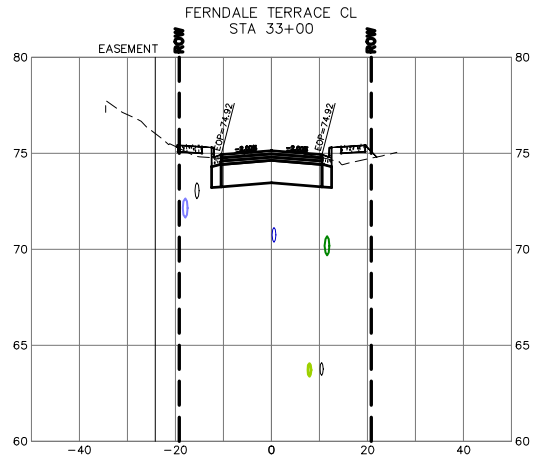
FERNDAL TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
CROSS SECTIONS (6)

DWG 18023 CROSS SECTION  
JOB# 18023  
SCALE H: 1" = 20' V: 1" = 2'

DATE 12/17/24  
SHEET 84  
of 85







# CONSTRUCTION SET

DESIGNED BY  
GS/LMH  
DRAWN BY  
GS/LMH  
CHECKED BY  
LP

**R&E** Reichhardt & Ebe  
ENGINEERING INC  
P.O. Box 978 | 423 Front Street  
Lynden, WA 98264 (360) 354-3687

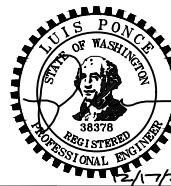
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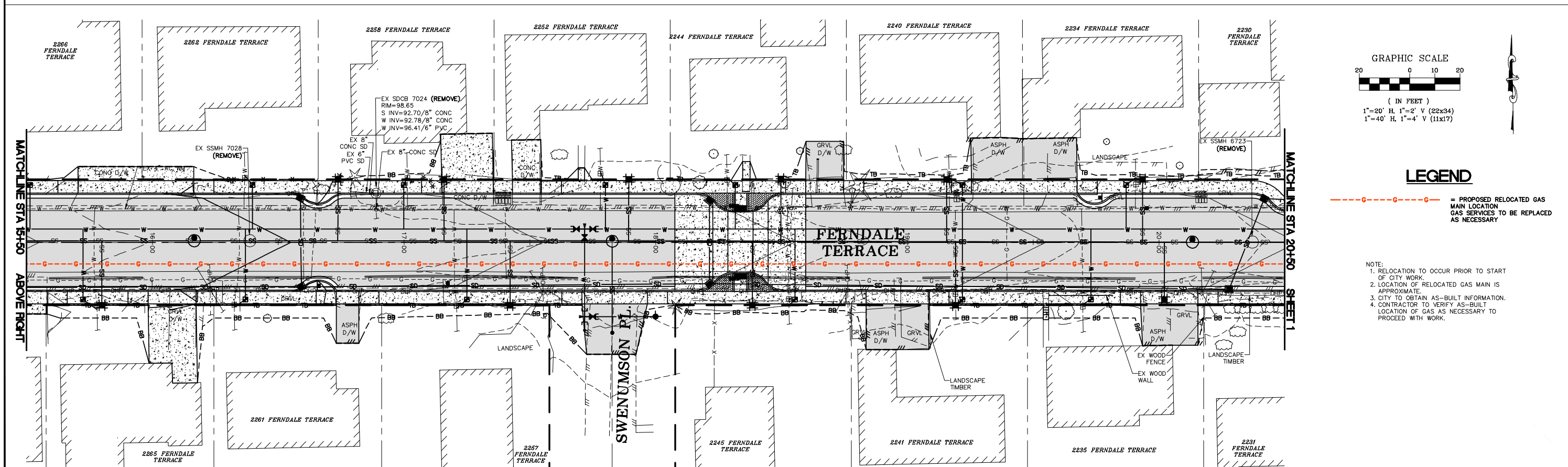
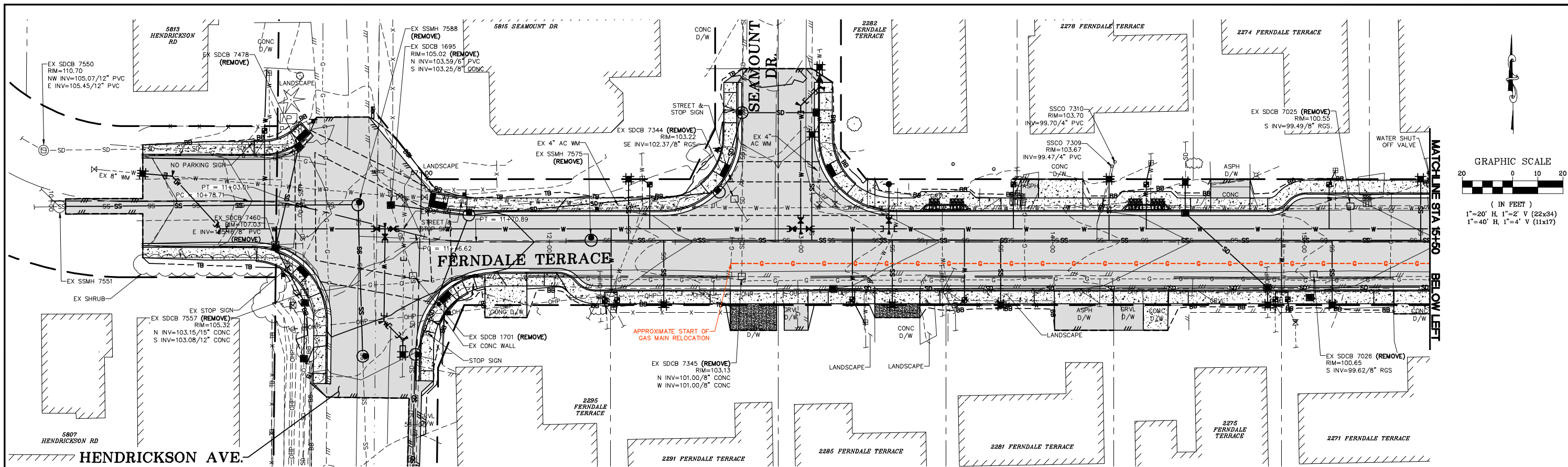
CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

FERNDAL TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
CROSS SECTIONS (7)

DWG 18023 CROSS SECTION  
JOB# 18023  
SCALE H: 1" = 20' V: 1" = 2'

DATE 12/17/24  
SHEET 85 of 85





**LEGEND**

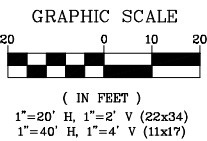
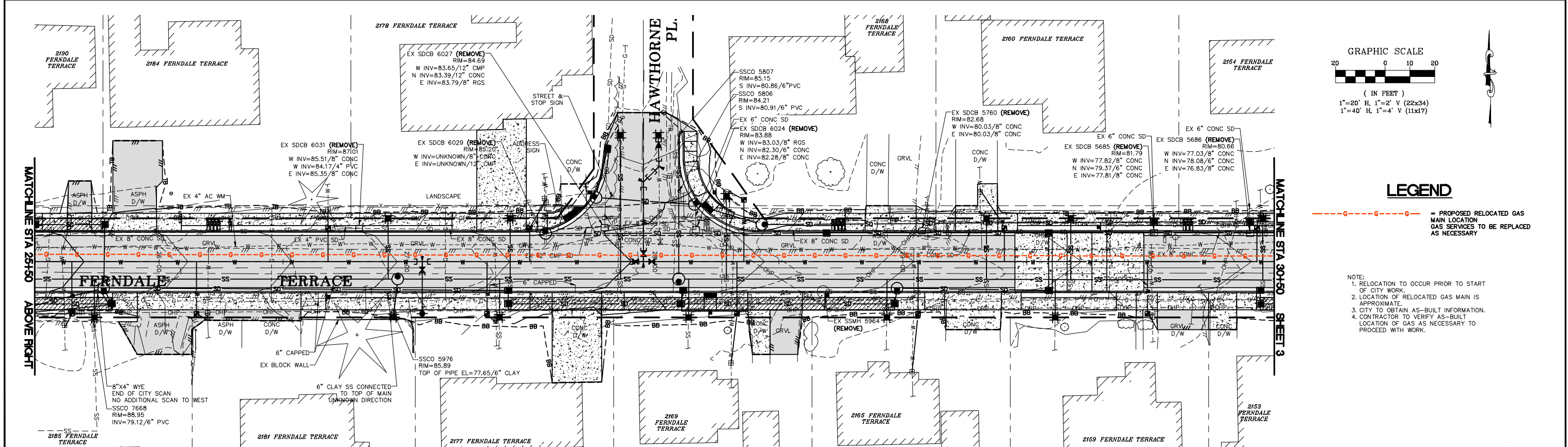
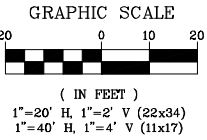
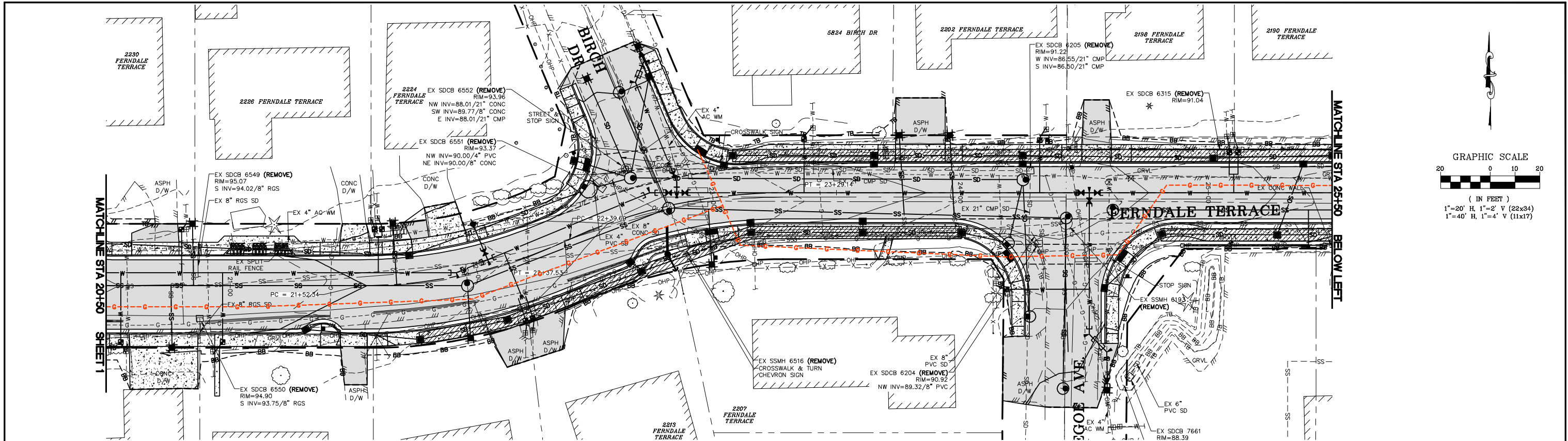
--- G --- G --- G --- = PROPOSED RELOCATED GAS MAIN LOCATION  
GAS SERVICES TO BE REPLACED AS NECESSARY

**NOTE:**

1. RELOCATION TO OCCUR PRIOR TO START OF CITY WORK.
2. LOCATION OF RELOCATED GAS MAIN IS APPROXIMATE.
3. CITY TO OBTAIN AS-BUILT INFORMATION.
4. CONTRACTOR TO VERIFY AS-BUILT LOCATION OF GAS AS NECESSARY TO PROCEED WITH WORK.

|                         |  |                       |                                                                                                                          |                                                      |  |                                                                                                                   |  |                                 |                 |
|-------------------------|--|-----------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------|--|---------------------------------|-----------------|
| <b>CONSTRUCTION SET</b> |  | DESIGNED BY<br>GS/LMH | <b>R&amp;E</b> Reichhardt & Ebe<br>ENGINEERING INC<br>P.O. Box 978   423 Front Street<br>Lynden, WA 98264 (360) 354-3687 | CITY OF FERDALE<br>2095 MAIN ST<br>FERDALE, WA 98248 |  | FERDALE TERRACE PROJECT<br>VISTA DRIVE TO HENDRICKSON AVENUE<br>PROPOSED CNG RELOCATION PLAN - STA 10+00 TO 20+50 |  | DWG 18023 GAS                   | DATE<br>1/17/25 |
|                         |  | DRAWN BY<br>GS/LMH    |                                                                                                                          |                                                      |  |                                                                                                                   |  | JOB#<br>18023                   | SHEET<br>1      |
|                         |  | CHECKED BY<br>LP      |                                                                                                                          |                                                      |  |                                                                                                                   |  | SCALE<br>H: 1" = 20' V: 1" = 2' | of 3            |





**LEGEND**

---o---o---o--- = PROPOSED RELOCATED GAS MAIN LOCATION GAS SERVICES TO BE REPLACED AS NECESSARY

- NOTE:
1. RELOCATION TO OCCUR PRIOR TO START OF CITY WORK.
  2. LOCATION OF RELOCATED GAS MAIN IS APPROXIMATE.
  3. CITY TO OBTAIN AS-BUILT INFORMATION.
  4. CONTRACTOR TO VERIFY AS-BUILT LOCATION OF GAS AS NECESSARY TO PROCEED WITH WORK.

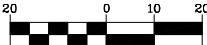
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|-------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-----|------|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------|--------------------|
| <b>CONSTRUCTION SET</b> | DESIGNED BY<br>GS/LMH |  <b>Reichhardt &amp; Ebe<br/>ENGINEERING INC</b><br>P.O. Box 978   423 Front Street<br>Lynden, WA 98264 (360) 354-3687 |  |  |     |      | CITY OF FERDALE<br>2095 MAIN ST<br>FERDALE, WA 98248 | FERDALE TERRACE PROJECT<br>VISTA DRIVE TO HENDRICKSON AVENUE<br>PROPOSED CNG REOCATION PLAN - STA 20+50 TO 30+50 | DWG 18023 GAS |                                    | DATE<br>1/17/25    |
|                         | DRAWN BY<br>GS/LMH    |                                                                                                                                                                                                           |  |  |     |      |                                                      |                                                                                                                  | JOB#<br>18023 | SCALE<br>H: 1" = 20'    V: 1" = 2' | SHEET<br>2<br>of 3 |
|                         | CHECKED BY<br>LP      |                                                                                                                                                                                                           |  |  |     |      |                                                      |                                                                                                                  |               |                                    |                    |
|                         |                       |                                                                                                                                                                                                           |  |  | NO. | DATE |                                                      |                                                                                                                  | DESCRIPTION   | BY                                 |                    |

# LEGEND

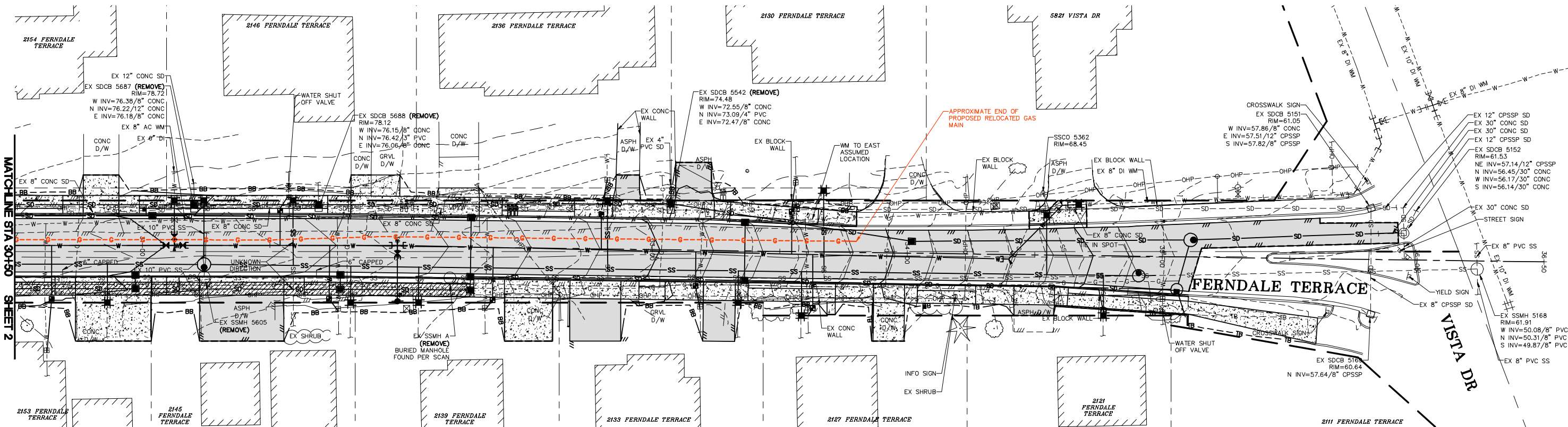
---G---G---G--- = PROPOSED RELOCATED GAS MAIN LOCATION  
GAS SERVICES TO BE REPLACED AS NECESSARY

NOTE:  
1. RELOCATION TO OCCUR PRIOR TO START OF CITY WORK.  
2. LOCATION OF RELOCATED GAS MAIN IS APPROXIMATE.  
3. CITY TO OBTAIN AS-BUILT INFORMATION.  
4. CONTRACTOR TO VERIFY AS-BUILT LOCATION OF GAS AS NECESSARY TO PROCEED WITH WORK.

GRAPHIC SCALE



( IN FEET )  
1"=20' H, 1"=2' V (22x34)  
1"=40' H, 1"=4' V (11x17)



CONSTRUCTION  
SET

DESIGNED BY  
GS/LMH  
DRAWN BY  
GS/LMH  
CHECKED BY  
LP

**R&E** Reichhardt & Ebe  
ENGINEERING INC  
P.O. Box 978 | 423 Front Street  
Lynden, WA 98264 (360) 354-3687

| NO. | DATE | DESCRIPTION | BY |
|-----|------|-------------|----|
|     |      |             |    |
|     |      |             |    |
|     |      |             |    |

CITY OF FERNDAL  
2095 MAIN ST  
FERNDAL, WA 98248

FERNDAL TERRACE PROJECT  
VISTA DRIVE TO HENDRICKSON AVENUE  
PROPOSED CNG RELOCATION PLAN - STA 30+50 TO 36+50

DWG 18023 GAS

JOB#

18023

SCALE

H: 1" = 20' V: 1" = 2'

DATE

1/17/25

SHEET

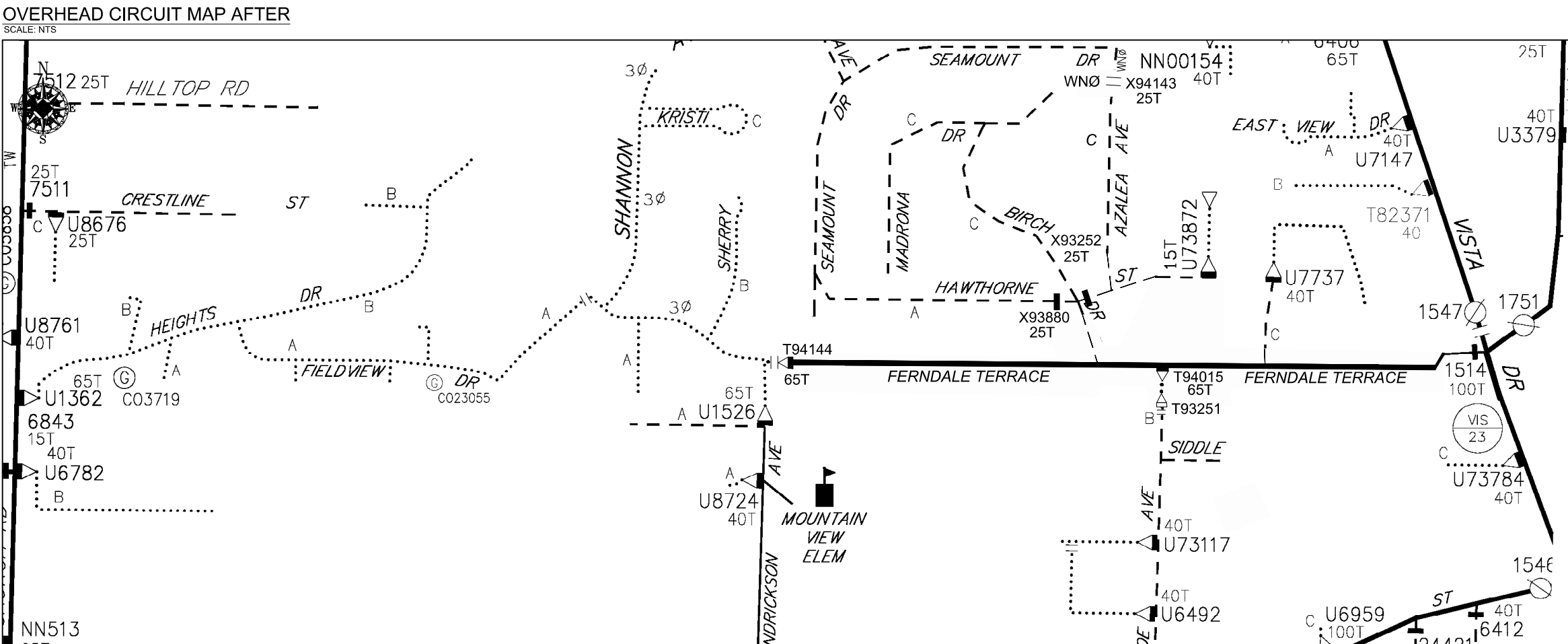
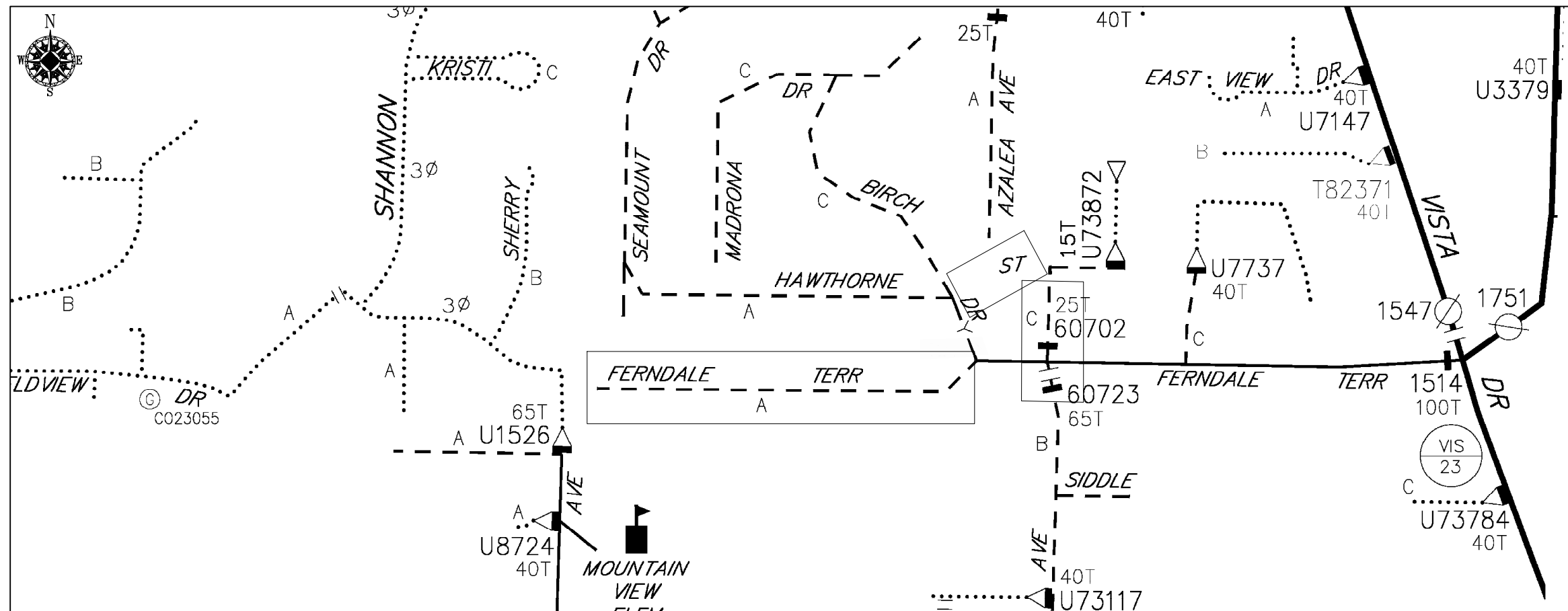
3

of 3



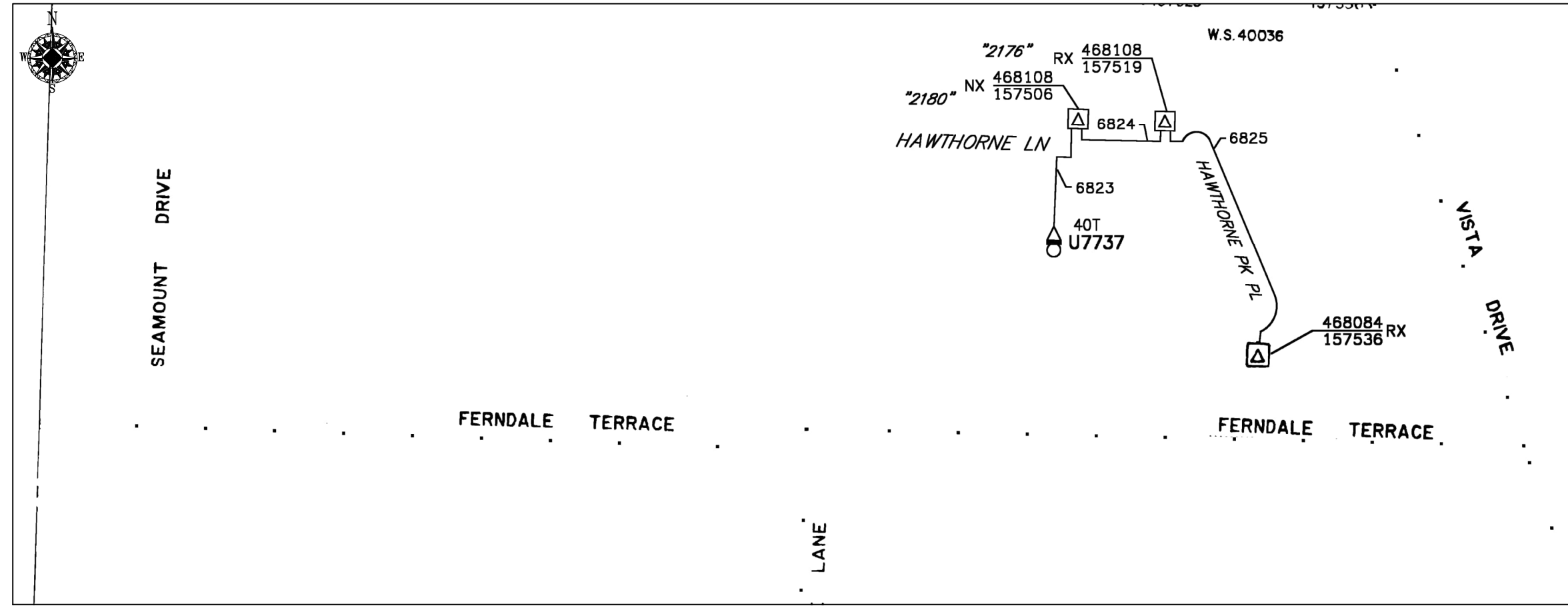
Jan 10, 2025 - 4:04pm C:\Users\P61459\appdata\local\temp\AcPublish\_20384\ 101172075 Ferndale Terrace Version 17.dwg

## 101172075



# CONSTRUCTION SET

|                                                                                                                         |                                            |            |              |                                   |                          |                     |                  |
|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------------|--------------|-----------------------------------|--------------------------|---------------------|------------------|
|                                                                                                                         |                                            |            |              | REAL ESTATE/EASEMENT<br>RW-133686 |                          | PERMIT<br>FERNDALE  |                  |
| 3                                                                                                                       |                                            |            |              | FUNCTION                          | CONTACT                  | PHONE NO            | DATE             |
| 2                                                                                                                       |                                            |            |              | PROJECT MGR                       | JANE MAJOR               | 360-791-2748        | 1/10/25          |
| 1                                                                                                                       |                                            |            |              | ENGR - POWER                      | JORDAN VELASCO           | 360-296-3127        | 1/10/25          |
| REV#                                                                                                                    | DATE                                       | BY         | DESCRIPTION  | ENGR - GAS                        | N/A                      | N/A                 | N/A              |
| COUNTY                                                                                                                  | Emer Sect                                  | Gas Wk Ctr | POWER WK CTR | DRAWN BY                          | JOHN HATHAWAY            | 360-201-1340        | 1/10/25          |
| WHATCOM                                                                                                                 | N/A                                        | N/A        | CSPFEI       | CHECKED BY                        | <del>JOHN HATHAWAY</del> | 360-941-2007        | 1/10/25          |
| 1/4 SEC                                                                                                                 | OP MAP                                     |            | PLAT MAP     | APPROVED BY                       | JANE MAJOR               | 360-791-2748        | 1/10/25          |
| T40N R2E S19                                                                                                            | N/A                                        |            | N/A          | FOREMAN #1                        |                          |                     |                  |
| U-MAP NO (POWER)                                                                                                        | OH CKT MAP                                 | UG CKT MAP | CIRCUIT NO   | FOREMAN #2                        |                          |                     |                  |
| A3902E075                                                                                                               | D3902E080                                  | R3902E075  | VIS-23       | MAPPING                           |                          |                     |                  |
| JOINT FACILITIES ARRANGEMENTS                                                                                           |                                            |            |              |                                   |                          |                     |                  |
| UTILITIES                                                                                                               | ZIPLY                                      |            | COMCAST      |                                   | ASTOUND                  |                     | N/A              |
| CONTACT                                                                                                                 | MIKE MERRILL                               |            | KEN BRIDGES  |                                   | JEREMAH STRAND           |                     | N/A              |
| PHONE#                                                                                                                  | 615-719-0199                               |            | 253-278-4288 |                                   | 360-500-9011             |                     | N/A              |
|  <b>PUGET<br/>SOUND<br/>ENERGY</b> | CITY OF FERNDALE                           |            |              |                                   |                          |                     | INCIDENT<br>N/A  |
|                                                                                                                         | FERNDAL TERRACE INFRASTRUCTURE IMPROVEMENT |            |              |                                   |                          |                     | MAOP<br>N/A      |
|                                                                                                                         | 2295 FERNDALE TERRACE, FERNDALE WA         |            |              |                                   |                          |                     | Gas Order<br>N/A |
|                                                                                                                         |                                            |            |              |                                   |                          | Effect Order<br>N/A | 1/10/2075        |
|                                                                                                                         |                                            |            |              |                                   |                          | SCALE               | PAGE             |
|                                                                                                                         |                                            |            |              |                                   |                          | AS NOTED            | 2/24             |

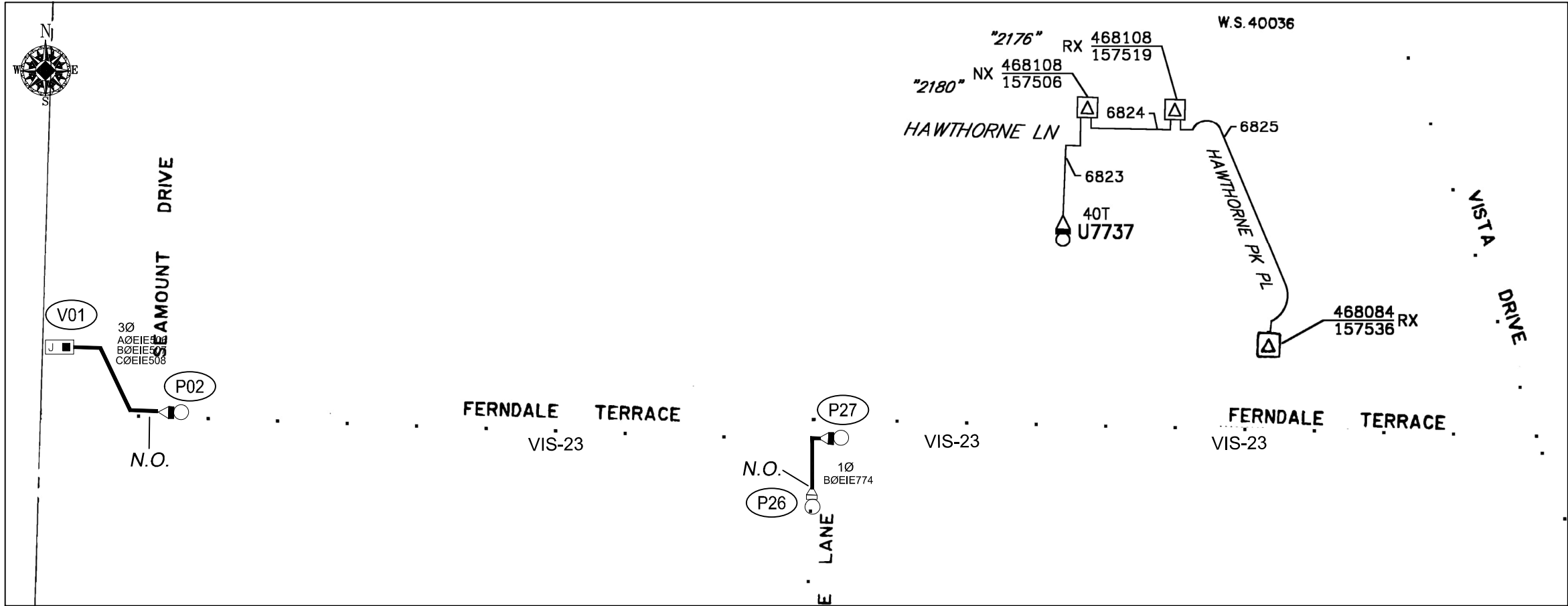


UNDERGROUND CIRCUIT MAP BEFORE

SCALE: NTS

UNDERGROUND CIRCUIT MAP AFTER

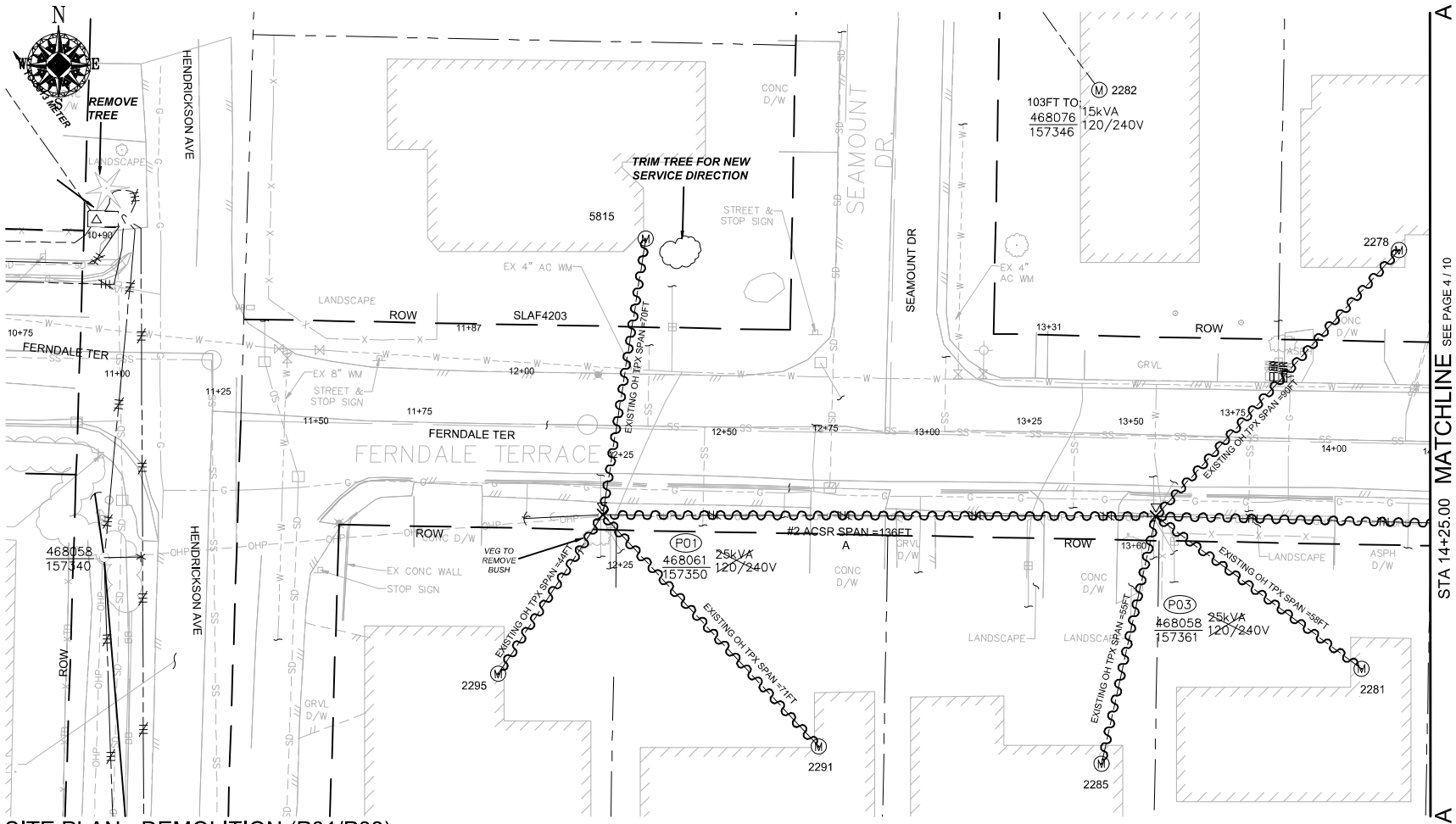
SCALE: NTS



# CONSTRUCTION SET

| REAL ESTATE/EASEMENT                        |              |              |                 | PERMIT       |                |
|---------------------------------------------|--------------|--------------|-----------------|--------------|----------------|
| RW-133886                                   |              |              |                 | FERNDALE     |                |
| 3                                           | DATE         | BY           | DESCRIPTION     | FUNCTION     | CONTACT        |
| 2                                           |              |              |                 | PROJECT MGR  | JANE MAJOR     |
| 1                                           |              |              |                 | ENGR - POWER | JORDAN VELASCO |
| REV#                                        | DATE         | BY           | DESCRIPTION     | ENGR - GAS   | N/A            |
| COUNTY                                      | WHATCOM      | Emer Sect    | Gas Wk Ctr      | POWER WK CTR | CSPFEPI        |
| 1/4 SEC                                     | T40N R2E S19 | OP MAP       | N/A             | PLAT MAP     | N/A            |
| U-MAP NO (POWER)                            | A3902E075    | OH CKT MAP   | D3902E080       | UG CKT MAP   | R3902E075      |
| CIRCUIT NO                                  |              |              |                 | FOREMAN #1   | FOREMAN #2     |
| VIS-23                                      |              |              |                 | MAPPING      |                |
| JOINT FACILITIES ARRANGEMENTS               |              |              |                 |              |                |
| UTILITIES                                   | ZIPPLY       | COMCAST      | ASTOUND         | N/A          |                |
| CONTACT                                     | MIKE MERRILL | KEN BRIDGES  | JEREMIAH STRAND | N/A          |                |
| PHONE#                                      | 615-719-0199 | 253-278-4268 | 360-500-9011    | N/A          |                |
| CITY OF FERNDALE                            |              |              |                 | INCIDENT     | MAOP           |
| FERNDALE TERRACE INFRASTRUCTURE IMPROVEMENT |              |              |                 | N/A          | N/A            |
| 2295 FERNDALE TERRACE, FERNDALE WA          |              |              |                 | Gas Order    | Elect Order    |
|                                             |              |              |                 | N/A          | 101172075      |
|                                             |              |              |                 | SCALE        | PAGE           |
|                                             |              |              |                 | AS NOTED     | 3/24           |

101172075



SITE PLAN - DEMOLITION (P01/P03)  
SCALE: 1" = 20'

| POLE RETIREMENT TABLE |               |        |       |      |                          |                          | TEMP TRANSFERS           |                          |                          | ST. LIGHT TRANSFERS                 |                          |           |
|-----------------------|---------------|--------|-------|------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|-----------|
| SITE #                | POLE DATA     |        |       |      | POLE                     |                          | TEL                      | TV                       | FIBER                    | TRAN                                | RMVD                     | ID NUMBER |
|                       | GRID #        | HEIGHT | CLASS | YEAR | TOPPED                   | RMVD                     |                          |                          |                          |                                     |                          |           |
| P01                   | 468061-157350 | 45FT   | 3     | 1980 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | SLAF4203  |
| P03                   | 468058-157361 | 45FT   | 3     | 1981 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |           |

| WIRE REMOVAL TABLE            |          |                    |          |                           |              |                   |
|-------------------------------|----------|--------------------|----------|---------------------------|--------------|-------------------|
| LOCATION                      |          | WIRE SIZE & TYPE   | QUANTITY | LENGTH (FT PER CONDUCTOR) | TOTAL LENGTH | REMARKS           |
| FROM                          | TO       |                    |          |                           |              |                   |
| P01                           | P03      | #2 ACSR PRI & NEUT | 2        | 136                       | 272          | A PHASE           |
| P01                           | S/A 2291 | EXISTING OH TPX    | 1        | 71                        | 71           |                   |
| P01                           | S/A 2295 | EXISTING OH TPX    | 1        | 44                        | 44           |                   |
| P01                           | S/A 5815 | EXISTING OH TPX    | 1        | 70                        | 70           |                   |
| P03                           | S/A 2278 | EXISTING OH TPX    | 1        | 90                        | 90           |                   |
| P03                           | S/A 2281 | EXISTING OH TPX    | 1        | 58                        | 58           |                   |
| P03                           | S/A 2285 | EXISTING OH TPX    | 1        | 55                        | 55           |                   |
| TOTAL FEET #2 ACSR PRI & NEUT |          |                    |          |                           | 272          | ACTUAL____REMOVED |
| TOTAL FEET EXISTING OH TPX    |          |                    |          |                           | 388          | ACTUAL____REMOVED |

TRANSFORMER REMOVAL

Installed at site: P01  
Grid Number: 468061-157350  
kVA Rating: 25kVA

Foreman to reline the following information

Company ID#: \_\_\_\_\_  
Primary phase connected to: \_\_\_\_\_  
Tested Secondary Voltage 1

TRANSFORMER REMOVAL

Installed at site: P03  
Grid Number: 468058-157361  
kVA Rating: 25kVA

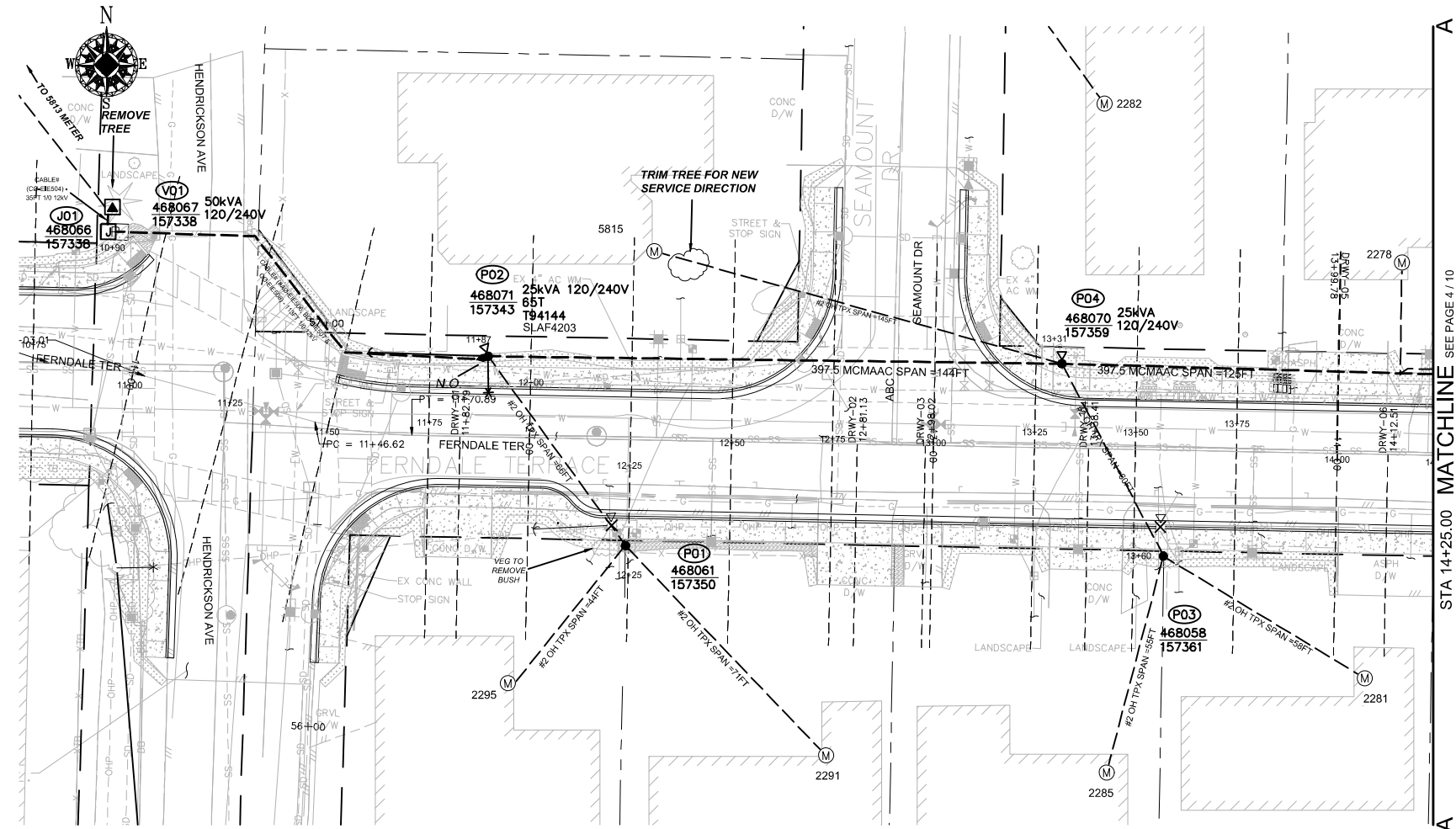
Foreman to reline the following information

Company ID#: \_\_\_\_\_  
Primary phase connected to: \_\_\_\_\_  
Tested Secondary Voltage 1

CONSTRUCTION SET

| REAL ESTATE/EASEMENT                         |              |                |                 | PERMIT                                      |                      |              |         |
|----------------------------------------------|--------------|----------------|-----------------|---------------------------------------------|----------------------|--------------|---------|
| RW-133686                                    |              |                |                 | FERNDALE                                    |                      |              |         |
| 3                                            | FUNCTION     | CONTACT        | PHONE NO        | DATE                                        |                      |              |         |
| 2                                            | PROJECT MGR  | JANE MAJOR     | 360-791-2748    | 1/10/25                                     |                      |              |         |
| 1                                            | ENGR - POWER | JORDAN VELASCO | 360-296-3127    | 1/10/25                                     |                      |              |         |
| REV#                                         | DATE         | BY             | DESCRIPTION     | ENGR - GAS                                  | N/A                  | N/A          | N/A     |
| COUNTY                                       | Emer Sect    | Gas Wk Ctr     | POWER WK CTR    | DRAWN BY                                    | JOHN HATHAWAY        | 360-201-1340 | 1/10/25 |
| WHATCOM                                      | N/A          | N/A            | CSPFEPI         | CHECKED BY                                  | <u>John Hathaway</u> | 360-941-2007 | 1/10/25 |
| 1/4 SEC                                      | OP MAP       |                | PLAT MAP        | APPROVED BY                                 | JANE MAJOR           | 360-791-2748 | 1/10/25 |
| T40N R2E S19                                 | N/A          |                | N/A             | FOREMAN #1                                  |                      |              |         |
| U-MAP NO (POWER)                             | OH CKT MAP   | UG CKT MAP     | CIRCUIT NO      | FOREMAN #2                                  |                      |              |         |
| A3902E075                                    | D3902E080    | R3902E075      | VIS-23          | MAPPING                                     |                      |              |         |
| JOINT FACILITIES ARRANGEMENTS                |              |                |                 |                                             |                      |              |         |
| UTILITIES                                    | ZIPLY        | COMCAST        | ASTOUND         | N/A                                         |                      |              |         |
| CONTACT                                      | MIKE MERRILL | KEN BRIDGES    | JEREMIAH STRAND | N/A                                         |                      |              |         |
| PHONE#                                       | 615-719-0199 | 253-278-4268   | 360-500-9011    | N/A                                         |                      |              |         |
| <div>PSI</div> <div>PUGET SOUND ENERGY</div> |              |                |                 | CITY OF FERNDALE                            |                      |              |         |
|                                              |              |                |                 | FERNDALE TERRACE INFRASTRUCTURE IMPROVEMENT |                      |              |         |
|                                              |              |                |                 | 2295 FERNDALE TERRACE, FERNDALE WA          |                      |              |         |
|                                              |              |                |                 | INCIDENT                                    | MAOP                 |              |         |
|                                              |              |                |                 | Gas Order                                   | N/A                  | Elect Order  | N/A     |
|                                              |              |                |                 | SCALE                                       | AS NOTED             | PAGE         | 4/24    |





SITE PLAN - NEW FACILITIES (P01-P04)  
SCALE: 1" = 20'

POLE TABLE (NEW)

| SITE | POLE DATA     |        |       |      |                        |
|------|---------------|--------|-------|------|------------------------|
|      | GRID #        | HEIGHT | CLASS | YEAR | REMARKS / LOCATION REF |
| P01  | 468061-157350 | 35FT   | 3     |      |                        |
| P02  | 468071-157343 | 45FT   | 1     |      |                        |
| P03  | 468058-157361 | 35FT   | 3     |      |                        |
| P04  | 468070-157359 | 45FT   | 1     |      |                        |

TRANSFORMER INSTALLATION

Installed at site: P02  
Grid Number: 468071-157343  
kVA Rating: 25kVA  
Material ID#: 6211250

Foreman to redline the following information

Company ID#: \_\_\_\_\_  
Primary phase connected to: \_\_\_\_\_  
Tested Secondary Voltage   /  

TRANSFORMER INSTALLATION

Installed at site: P04  
Grid Number: 468070-157359  
kVA Rating: 25kVA  
Material ID#: 6211250

Foreman to redline the following information

Company ID#: \_\_\_\_\_  
Primary phase connected to: \_\_\_\_\_  
Tested Secondary Voltage   /  

WIRE STRINGING TABLE

| LOCATION                 |          | PRI | SEC | WIRE SIZE & TYPE | QUANTITY | LENGTH (FT PER CONDUCTOR) |              | REMARKS      |
|--------------------------|----------|-----|-----|------------------|----------|---------------------------|--------------|--------------|
| FROM                     | TO       |     |     |                  |          |                           |              |              |
| P01                      | P02      |     | XX  | #2 OH TPX        | 1        | 66                        | 66           |              |
| P02                      | P04      | XX  |     | 397.5 MCMAAC     | 3        | 144                       | 432          | A/B/C PHASES |
| P02                      | P04      | XX  |     | 4/0 ACSR NEUT    | 1        | 144                       | 144          |              |
| P03                      | P04      |     | XX  | #2 OH TPX        | 1        | 60                        | 60           |              |
| P01                      | S/A 2291 |     | XX  | #2 OH TPX        | 1        | 71                        | 71           |              |
| P01                      | S/A 2295 |     | XX  | #2 OH TPX        | 1        | 44                        | 44           |              |
| P04                      | S/A 5815 |     | XX  | #2 OH TPX        | 1        | 145                       | 145          |              |
| P03                      | S/A 2281 |     | XX  | #2 OH TPX        | 1        | 58                        | 58           |              |
| P03                      | S/A 2285 |     | XX  | #2 OH TPX        | 1        | 55                        | 55           |              |
| TOTAL FEET 397.5 MCMACSR |          |     |     |                  |          | 432                       | ACTUAL _____ | INSTALLED    |
| TOTAL FEET 4/0 NEUT      |          |     |     |                  |          | 144                       | ACTUAL _____ | INSTALLED    |
| TOTAL FEET #2 OH TPX     |          |     |     |                  |          | 499                       | ACTUAL _____ | INSTALLED    |

PRIMARY CABLE & CONDUIT TABLE

| LOCATION              |     | CONDUIT   |      |                    |       |     |     |   |                         | CABLE          |            |                    |                |              |          | ASBUILT INFORMATION - FOREMAN COMPLETE |       |         |                                                |      |        |                  |  |
|-----------------------|-----|-----------|------|--------------------|-------|-----|-----|---|-------------------------|----------------|------------|--------------------|----------------|--------------|----------|----------------------------------------|-------|---------|------------------------------------------------|------|--------|------------------|--|
| FROM                  | TO  | SIZE (IN) | QTY. | DESIGN LENGTH (FT) | BENDS |     |     |   | PULL (LBS)              | PULL REV (LBS) | CABLE SIZE | DESIGN LENGTH (FT) | PHASE - ID TAG |              |          | RECORD                                 |       |         | RECORD PHASE TAPPED & ACTUAL FOOTAGE INSTALLED |      |        | LUBRICANT (Gal.) |  |
|                       |     |           |      | 90°                | 45°   | 22° | 11° | A |                         |                |            | B                  | C              | MANUFACTURER | COMPOUND | YEAR                                   | NOTES | CONDUIT | CABLE                                          | EST. | ACTUAL |                  |  |
| V01                   | P02 | 4         | 1    | 113                | 2     | 2   | -   | - | 158                     | 76             | 1/0 AL JKT | 163                | EIE506         | EIE507       | EIE508   |                                        |       |         | -                                              |      |        |                  |  |
| V01                   | J01 | 2         | 1    | 5                  | -     | -   |     |   | 21                      | 21             | 1/0 AL JKT | 35                 | -              | -            | EIE504   |                                        |       |         |                                                |      |        |                  |  |
| 4" PVC (FT) & BENDS = |     |           |      | 113                | 2     | 2   | 0   | 0 | 1/0 AL JKT TOTAL (FT) = |                |            |                    | 163            |              |          |                                        |       |         |                                                |      |        |                  |  |

SITE SPECIFIC NOTES

J01: GRID# 468066-157338  
WO# 101172075  
INSTALL (REPLACE) LID - MID# 7655900 (2-3' SQ DOORS)  
INSTALL 4 NEW J-BOXES (MID# 7625900)  
INSTALL 3 NEW 1/0 ELBOWS (ELB10I) AS PER STD 6041.1000  
REMOVE EXISTING COMBO VAULT LID  
REMOVE 50 KVA TRANSFORMER

(UNIT 2-60 X1)  
(UNIT 2-44 X1)  
(UNIT 2-57 X1)

V01: GRID# 468067-157338  
WO# 101172075  
INSTALL MP HH 15KV 50KVA (MINU15L) AS PER STD 6045.1010  
INSTALL (REPLACE) 50KVA PADMOUNT TFM (MID# 9995529)  
INSTALL 1/0 ELBOW (ELB10I) AS PER STD 6041.1000  
INSTALL DUST CAP (MID# 7630600)

(UNIT 2-60 X1)  
(UNIT 2-44 X1)  
(UNIT 2-57 X1)

V01 TO J01:  
WO# 101172075  
TRENCH & INSTALL NEW 2" DB120 CONDUIT APPROX. 5FT (ACTUAL = \_\_\_\_ FT)  
INSTALL NEW 12KV 1-PHASE 1/0 CABLE APPROX. 35FT (ACTUAL = \_\_\_\_ FT)  
INSTALL CABLE TAGS #C0-EIE504

(UNIT 2-36 X 5FT) (UNIT 2-49 X 5FT)  
(UNIT 2-56 X 35FT)

J01 TO P02:  
WO# 101172075  
TRENCH & INSTALL NEW 4" SCH80 CONDUIT APPROX. 113FT (ACTUAL = \_\_\_\_ FT)  
INSTALL NEW 12KV 3-PHASE 1/0 CABLE APPROX. 163FT (ACTUAL = \_\_\_\_ FT)  
INSTALL CABLE TAGS #A0-EIE506, B0-EIE507 & C0-EIE508

(UNIT 2-36 X 113FT) (UNIT 2-49 X 113FT)  
(UNIT 2-56 X 163FT)

P01: EXISTING 1980 45FT CL3 GRID #468061-157350 (STA 12+24.00, L/A = N/A)  
WO# 101172075  
INSTALL (REPLACE) 35FT CL3 (PD353) AS PER STD 6010.1000  
WO# 108159355  
REMOVE EXISTING 25kVA 120/240V OH XFMR  
REMOVE POLE STUB AFTER COMMUNICATION TRANSFERS HAVE BEEN COMPLETED  
ATTACHED UTILITIES: COMCAST & ZIPLY

(UNIT 2-23 X1)

(UNIT 2-129 X1)

(UNIT 2-302 X1)

P01 TO P02:  
WO# 101172075  
INSTALL #2 OH SEC TPX APPROX. 66FT (ACTUAL: \_\_\_\_ FT)

(UNIT 2-20A X1)

P02: NEW POLE 45FT CL1 GRID# 468071-157343 (STA 11+87.00, L/A = N/A)  
WO# 101172075  
INSTALL (NEW) 45FT CL1 (PD451) AS PER STD 6010.1000  
INSTALL 3-PHASE DE 397 (DE3315) AS PER STD 6033.1042  
INSTALL 25kVA 7-120/240 OH XFMR (TRFNXF) FUSE @ 10T TAP B0 AS PER STD 6025.1000  
INSTALL TRIPLE HELIX ANCHOR 10"-12"-14" (ANDH3) AS PER STD 6012.1000 (LEAD = 30FT WEST)  
INSTALL PRIMARY GUY DBL 7/16" ANC W/AUTO GRIP (GYDD7SA) AS PER STD 6013.0100  
INSTALL NEUTRAL GUY 3/8" ANC W/AUTO GRIP (GYD7SAN) AS PER STD 6013.0100  
INSTALL 4" RISER ON SOB'S (RISRCSS) AS PER STD 6042.1000  
INSTALL 12KV 3Ø TERM, LB, ONE TRF (TSU1CW3T) AS PER STD 6043.1003  
NOTE: BUILD TERMS OVER THE TOP OF THE DE ARMS SIMILAR TO STD 6043.1020  
INSTALL CABLE TAGS #A0-EIE506, B0-EIE507 & C0-EIE508  
INSTALL SW# T94144 (65T)  
NOTE: NORMAL OPEN AT P02

(UNIT 2-7 X1)

(UNIT 2-24 X1)  
(UNIT 1-8E X1)

(UNIT 2-45 X1)  
(UNIT 2-57 X1)

P03: EXISTING 1981 45FT CL3 GRID #468058-157361 (STA 13+60.00, L/A = N/A)  
WO# 101172075  
INSTALL (REPLACE) 35FT CL3 (PD353) AS PER STD 6010.1000  
WO# 108159355  
REMOVE EXISTING 25kVA 120/240V OH XFMR  
REMOVE POLE STUB AFTER COMMUNICATION TRANSFERS HAVE BEEN COMPLETED  
ATTACHED UTILITIES: COMCAST & ZIPLY  
WO# 593260468  
TRANSFER, REPLACE, SHORTEN OR EXTEND EXISTING TPX TO S/A 2281 & 2285 FERNDAL TERR.

(UNIT 2-23 X1)

(UNIT 2-129 X1)

P04: NEW POLE 45FT CL1 GRID# 468070-157359 (STA 13+31.00, L/A = 0°)  
WO# 101172075  
INSTALL (NEW) 45FT CL1 (PD451) AS PER STD 6010.1000  
INSTALL 12 KV 3-PHASE TANGENT PTP 397 AAC (TAN313) AS PER STD 6033.1012  
INSTALL 25kVA 7-120/240 OH XFMR (TRFNXF) FUSE @ 10T AS PER STD 6025.1000  
WO# 593260468  
TRANSFER, REPLACE, SHORTEN OR EXTEND EXISTING TPX TO S/A 5815 SEAMOUNT DR.

(UNIT 2-7 X1)

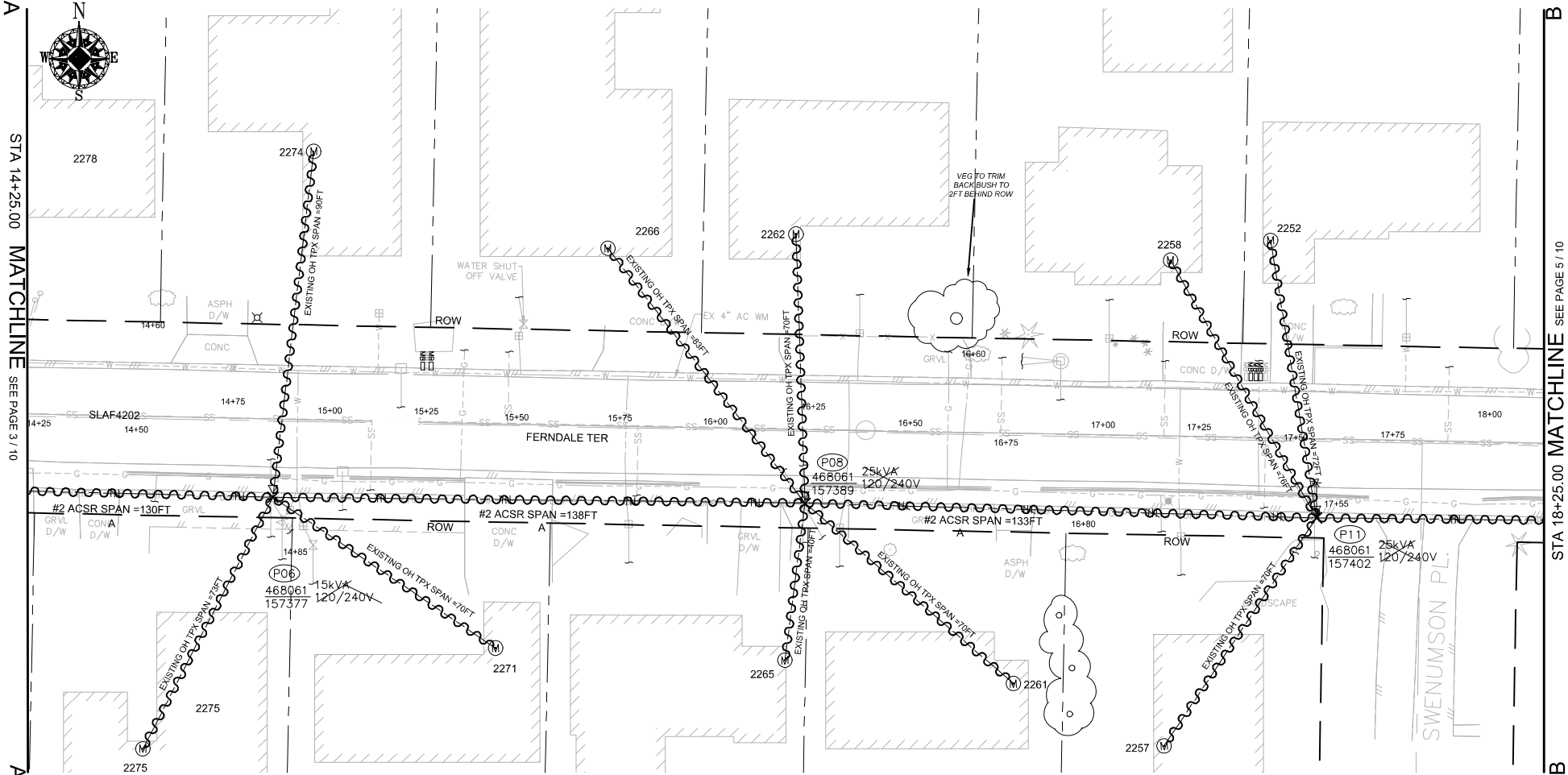
(UNIT 2-24 X1)

(UNIT 3-3 X1)

(UNIT 2-20A X1)

CONSTRUCTION SET

|                  |              |            |             | REAL ESTATE/EASEMENT                       |                | PERMIT       |                 |
|------------------|--------------|------------|-------------|--------------------------------------------|----------------|--------------|-----------------|
|                  |              |            |             | RW-133686                                  |                | FERNDAL      |                 |
| 3                |              |            |             | FUNCTION                                   | CONTACT        | PHONE NO     | DATE            |
| 2                |              |            |             | PROJECT MGR                                | JANE MAJOR     | 360-791-2748 | 1/10/25         |
| 1                |              |            |             | ENGR - POWER                               | JORDAN VELASCO | 360-296-3127 | 1/10/25         |
| REV#             | DATE         | BY         | DESCRIPTION | ENGR - GAS                                 | N/A            | N/A          | N/A             |
| COUNTY           | WHATCOM      | Emer Sect  | Gas Wk Ctr  | POWER WK CTR                               | CSPFEPI        | DRAWN BY     | JOHN HATHAWAY   |
| 1/4 SEC          | T40N R2E S19 | OP MAP     | PLAT MAP    | N/A                                        | N/A            | CHECKED BY   | JANE MAJOR      |
| U-MAP NO (POWER) | A3902E080    | OH CKT MAP | D3902E080   | UG CKT MAP                                 | R3902E075      | CIRCUIT NO   | VIS-23          |
|                  |              |            |             | JOINT FACILITIES ARRANGEMENTS              |                |              |                 |
|                  |              |            |             | UTILITIES                                  | ZIPLY          | COMCAST      | ASTOUND         |
|                  |              |            |             | CONTACT                                    | MIKE MERRILL   | KEN BRIDGES  | JEREMIAH STRAND |
|                  |              |            |             | PHONE#                                     | 615-719-0199   | 253-278-4268 | 360-500-9011    |
|                  |              |            |             | CITY OF FERNDAL                            |                |              |                 |
|                  |              |            |             | FERNDAL TERRACE INFRASTRUCTURE IMPROVEMENT |                |              |                 |
|                  |              |            |             | 2295 FERNDAL TERRACE, FERNDAL WA           |                |              |                 |
|                  |              |            |             | INCIDENT                                   | N/A            | MAOP         | N/A             |
|                  |              |            |             | Gas Order                                  | N/A            | Elect Order  | 101172075       |
|                  |              |            |             | SCALE                                      | AS NOTED       | PAGE         | 5/24            |



SITE PLAN - DEMOLITION (P06/P08/P11)

SCALE: 1" = 20'

| POLE RETIREMENT TABLE |               |        |       |      |                          | TEMP TRANSFERS           |                          |                          | ST. LIGHT TRANSFERS      |                                     |                          |
|-----------------------|---------------|--------|-------|------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|
| SITE #                | POLE DATA     |        |       |      | POLE                     |                          | TEL                      | TV                       | FIBER                    | TRAN                                | RMVD                     |
|                       | GRID #        | HEIGHT | CLASS | YEAR | TOPPED                   | RMVD                     |                          |                          |                          |                                     |                          |
| P06                   | 468061-157377 | 45FT   | 3     | 2003 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| P08                   | 468061-157389 | 45FT   | 3     | 1981 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |
| P11                   | 468061-157402 | 45FT   | 3     | 2003 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |

| WIRE REMOVAL TABLE            |          |                    |          |                           |              |                   |
|-------------------------------|----------|--------------------|----------|---------------------------|--------------|-------------------|
| LOCATION                      |          | WIRE SIZE & TYPE   | QUANTITY | LENGTH (FT PER CONDUCTOR) | TOTAL LENGTH | REMARKS           |
| FROM                          | TO       |                    |          |                           |              |                   |
| P03                           | P06      | #2 ACSR PRI & NEUT | 2        | 130                       | 260          | A PHASE           |
| P06                           | P08      | #2 ACSR PRI & NEUT | 2        | 138                       | 276          | A PHASE           |
| P06                           | S/A 2271 | EXISTING OH TPX    | 1        | 70                        | 70           |                   |
| P06                           | S/A 2274 | EXISTING OH TPX    | 1        | 90                        | 90           |                   |
| P06                           | S/A 2275 | EXISTING OH TPX    | 1        | 73                        | 73           |                   |
| P08                           | S/A 2261 | EXISTING OH TPX    | 1        | 70                        | 70           |                   |
| P08                           | S/A 2262 | EXISTING OH TPX    | 1        | 70                        | 70           |                   |
| P08                           | S/A 2265 | EXISTING OH TPX    | 1        | 40                        | 40           |                   |
| P08                           | S/A 2266 | EXISTING OH TPX    | 1        | 83                        | 83           |                   |
| P08                           | P11      | #2 ACSR PRI & NEUT | 2        | 133                       | 266          | A PHASE           |
| P11                           | S/A 2252 | EXISTING OH TPX    | 1        | 72                        | 72           |                   |
| P11                           | S/A 2257 | EXISTING OH TPX    | 1        | 70                        | 70           |                   |
| P11                           | S/A 2258 | EXISTING OH TPX    | 1        | 76                        | 76           |                   |
| TOTAL FEET #2 ACSR PRI & NEUT |          |                    |          |                           | 802          | ACTUAL____REMOVED |
| TOTAL FEET EXISTING OH TPX    |          |                    |          |                           | 714          | ACTUAL____REMOVED |

TRANSFORMER REMOVAL

Installed at site: P06  
Grid Number: 468061-157377  
kVA Rating: 25kVA

Foreman to redline the following information

Company ID#: \_\_\_\_\_  
Primary phase connected to: \_\_\_\_\_  
Tested Secondary Voltage   /

TRANSFORMER REMOVAL

Installed at site: P08  
Grid Number: 468061-157389  
kVA Rating: 25kVA

Foreman to redline the following information

Company ID#: \_\_\_\_\_  
Primary phase connected to: \_\_\_\_\_  
Tested Secondary Voltage   /

TRANSFORMER REMOVAL

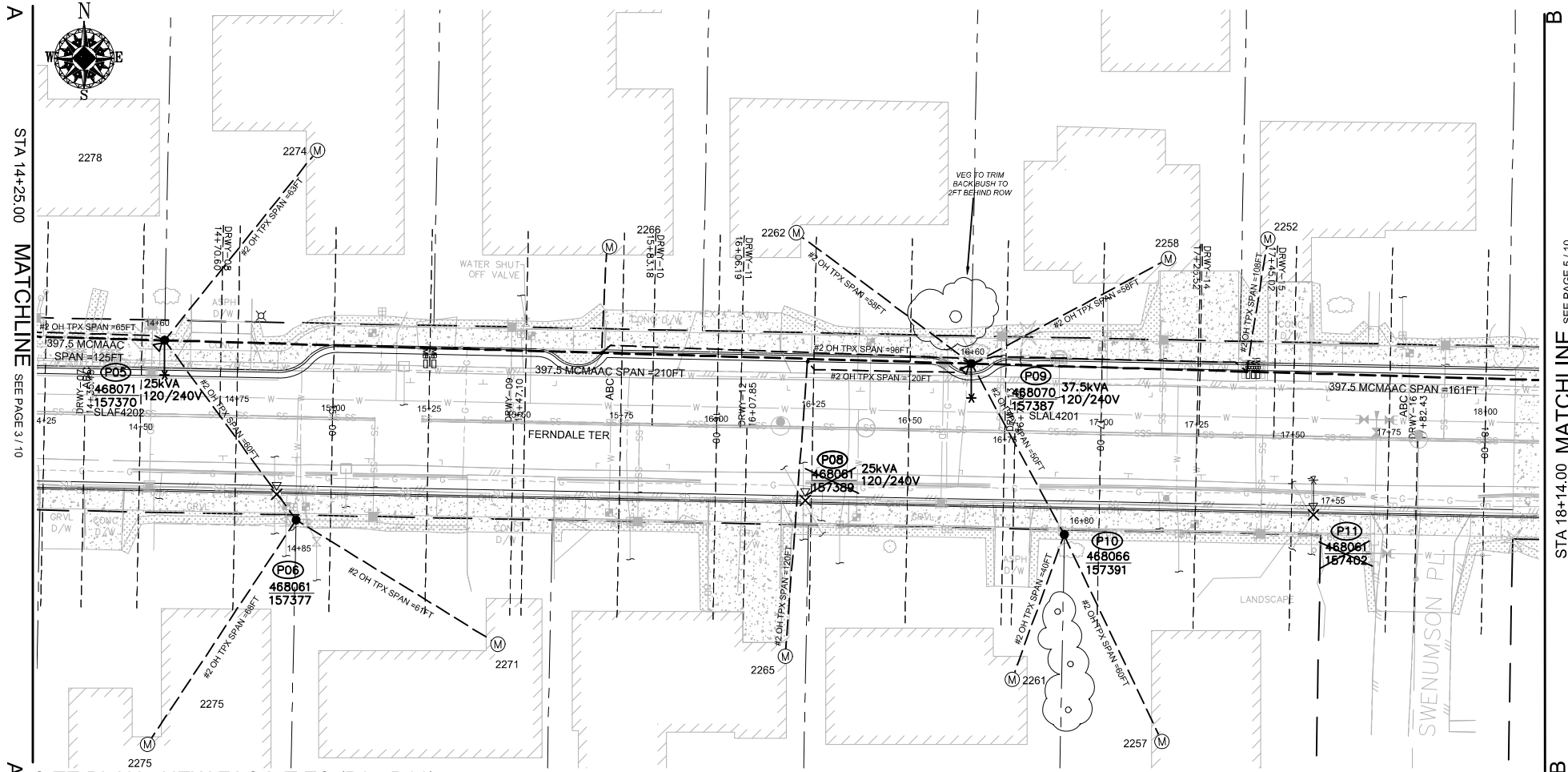
Installed at site: P11  
Grid Number: 468061-157402  
kVA Rating: 25kVA

Foreman to redline the following information

Company ID#: \_\_\_\_\_  
Primary phase connected to: \_\_\_\_\_  
Tested Secondary Voltage   /

CONSTRUCTION SET

| REAL ESTATE/EASEMENT          |              |            |             | PERMIT                                      |                                    |
|-------------------------------|--------------|------------|-------------|---------------------------------------------|------------------------------------|
| RW-133686                     |              |            |             | FERNDALE                                    |                                    |
| 3                             |              |            |             | FUNCTION                                    | CONTACT                            |
| 2                             |              |            |             | PROJECT MGR                                 | JANE MAJOR                         |
| 1                             |              |            |             | ENGR - POWER                                | JORDAN VELASCO                     |
| REV#                          | DATE         | BY         | DESCRIPTION | ENGR - GAS                                  | N/A                                |
| COUNTY                        | WHATCOM      | Emer Sect  | Gas Wk Ctr  | POWER WK CTR                                | CSPFEPI                            |
| 1/4 SEC                       | T40N R2E S19 | OP MAP     | N/A         | PLAT MAP                                    | N/A                                |
| U-MAP NO (POWER)              | A3902E075    | OH CKT MAP | D3902E080   | UG CKT MAP                                  | R3902E075                          |
| JOINT FACILITIES ARRANGEMENTS |              |            |             | ASTOUND                                     | N/A                                |
| UTILITIES                     |              |            |             | COMCAST                                     | KEN BRIDGES                        |
| CONTACT                       |              |            |             | MIKE MERRILL                                | 253-278-4268                       |
| PHONE#                        |              |            |             | 615-719-0199                                | 360-500-9011                       |
| INCIDENT                      |              |            |             | N/A                                         | N/A                                |
| MAOP                          |              |            |             | N/A                                         | N/A                                |
| CITY OF FERNDALE              |              |            |             | FERNDALE TERRACE INFRASTRUCTURE IMPROVEMENT | 2295 FERNDALE TERRACE, FERNDALE WA |
| SCALE                         |              |            |             | AS NOTED                                    | PAGE 6/24                          |



SITE PLAN - NEW FACILITIES (P05-P11)

SCALE: 1" = 20'

WIRE STRINGING TABLE

| LOCATION                 |          | PRI | SEC | WIRE SIZE & TYPE | QUANTITY | LENGTH (FT PER CONDUCTOR) |      | REMARKS                |
|--------------------------|----------|-----|-----|------------------|----------|---------------------------|------|------------------------|
| FROM                     | TO       |     |     |                  |          |                           |      |                        |
| P04                      | P05      | XX  |     | 397.5 MCM AAC    | 3        | 125                       | 375  | A/B/C PHASES           |
| P04                      | P05      | XX  |     | 4/0 ACSR NEUT    | 1        | 125                       | 125  |                        |
| P05                      | P06      | XX  | XX  | #2 OH TPX        | 1        | 60                        | 60   |                        |
| P05                      | P09      | XX  |     | 397.5 MCM AAC    | 3        | 210                       | 630  | A/B/C PHASES           |
| P05                      | P09      | XX  |     | 4/0 ACSR NEUT    | 1        | 210                       | 210  |                        |
| P09                      | P10      | XX  |     | #2 OH TPX        | 1        | 50                        | 50   |                        |
| P05                      | S/A 2274 | XX  |     | #2 OH TPX        | 1        | 63                        | 63   |                        |
| P04                      | S/A 2278 | XX  |     | #2 OH TPX        | 1        | 65                        | 65   |                        |
| P06                      | S/A 2271 | XX  |     | #2 OH TPX        | 1        | 61                        | 61   |                        |
| P06                      | S/A 2275 | XX  |     | #2 OH TPX        | 1        | 68                        | 68   |                        |
| P09                      | S/A 2265 | XX  |     | #2 OH TPX        | 1        | 120                       | 120  |                        |
| P09                      | S/A 2266 | XX  |     | #2 OH TPX        | 1        | 96                        | 96   |                        |
| P09                      | S/A 2252 | XX  |     | #2 OH TPX        | 1        | 108                       | 108  |                        |
| P09                      | S/A 2258 | XX  |     | #2 OH TPX        | 1        | 58                        | 58   |                        |
| P09                      | S/A 2262 | XX  |     | #2 OH TPX        | 1        | 58                        | 58   |                        |
| P10                      | S/A 2257 | XX  |     | #2 OH TPX        | 1        | 60                        | 60   |                        |
| P10                      | S/A 2261 | XX  |     | #2 OH TPX        | 1        | 40                        | 40   |                        |
| TOTAL FEET 397.5 MCMACSR |          |     |     |                  |          |                           | 1005 | ACTUAL _____ INSTALLED |
| TOTAL FEET 4/0 NEUT      |          |     |     |                  |          |                           | 335  | ACTUAL _____ INSTALLED |
| TOTAL FEET #2 OH TPX     |          |     |     |                  |          |                           | 907  | ACTUAL _____ INSTALLED |

POLE TABLE (NEW)

| SITE | POLE DATA     |        |       |      |                        |
|------|---------------|--------|-------|------|------------------------|
|      | GRID #        | HEIGHT | CLASS | YEAR | REMARKS / LOCATION REF |
| P05  | 468071-157370 | 45FT   | H2    |      |                        |
| P06  | 468061-157377 | 40FT   | 3     |      |                        |
| P09  | 468070-157387 | 45FT   | H2    |      |                        |
| P10  | 468066-157391 | 35FT   | 3     |      |                        |

TRANSFORMER INSTALLATION

Installed at site: **P05**  
Grid Number: 468071-157370  
kVA Rating: 25kVA  
Material ID#: 6211250

Foreman to redline the following information

Company ID#: \_\_\_\_\_  
Primary phase connected to: \_\_\_\_\_  
Tested Secondary Voltage   I  

TRANSFORMER INSTALLATION

Installed at site: **P09**  
Grid Number: 468070-157387  
kVA Rating: 37.5kVA  
Material ID#: 6211300

Foreman to redline the following information

Company ID#: \_\_\_\_\_  
Primary phase connected to: \_\_\_\_\_  
Tested Secondary Voltage   I  

SITE SPECIFIC NOTES (CONTINUED)

**P05: NEW POLE 45FT CLH2 GRID# 468071-157370 (STA 14+60.00, L/A = 1")**  
**WO# 101172075**  
INSTALL (NEW) 45FT CLH2 (PD45H2) AS PER STD 6010.1000  
INSTALL 12 kV 3-PHASE TANGENT PTP 397 AAC (TAN313) AS PER STD 6033.1012  
INSTALL 25kVA 7-120/240 OH XFMR (TRFNXF) FUSE @ 10T AS PER STD 6025.1000  
**WO# 593260468**  
TRANSFER, REPLACE, SHORTEN OR EXTEND EXISTING TPX TO S/A 2274 & 2278 FERNDAL TERR.  
**NOTE: CONVERT EXISTING OH SVC TO BRIDLE SERVICE TO S/A 2278 FERNDAL TERR.**

(UNIT 2-7 X1)

(UNIT 2-24 X1)

(UNIT 3-3 X2)(UNIT 3-5 X2)

**P05 TO P06:**  
**WO# 101172075**  
INSTALL #2 OH SEC TPX APPROX. 60FT (ACTUAL: \_\_\_\_\_FT)

(UNIT 2-20A X1)

**P06: EXISTING 2003 45FT CL3 GRID #468061-157377 (STA 14+85.00, L/A = N/A)**  
**WO# 101172075**  
INSTALL (REPLACE) 40FT CL3 (PD403) AS PER STD 6010.1000  
**WO# 108159355**  
REMOVE EXISTING 15kVA 120/240V OH XFMR  
REMOVE POLE STUB AFTER COMMUNICATION TRANSFERS HAVE BEEN COMPLETED  
**ATTACHED UTILITIES: COMCAST & ZIPLY**  
**WO# 593260468**  
TRANSFER, REPLACE, SHORTEN OR EXTEND EXISTING TPX TO S/A 2271 & 2275 FERNDAL TERR.  
INSTALL (TRANSFER) EXISTING STREET LIGHT (SLAF4202) TO NEW POLE P05

(UNIT 2-23 X1)

(UNIT 2-129 X1)

(UNIT 2-302 X1)

**P08: EXISTING 1981 45FT CL3 GRID #468061-157389 (STA 16+20.00, L/A = N/A)**  
**WO# 108159355**  
REMOVE EXISTING 25kVA 120/240V OH XFMR  
REMOVE POLE STUB AFTER COMMUNICATION TRANSFERS HAVE BEEN COMPLETED  
**ATTACHED UTILITIES: COMCAST & ZIPLY**

(UNIT 2-129 X1)

**P09: NEW POLE 45FT CLH2 GRID# 468070-157387 (STA 16+60.00, L/A = 0")**  
**WO# 101172075**  
INSTALL (NEW) 45FT CLH2 (PD45H2) AS PER STD 6010.1000  
INSTALL 12 kV 3-PHASE TANGENT PTP 397 AAC (TAN313) AS PER STD 6033.1012  
INSTALL 37.5kVA 7-120/240 OH XFMR (TRFNXF) FUSE @ 10T AS PER STD 6025.1000  
**WO# 593260468**  
TRANSFER, REPLACE, SHORTEN OR EXTEND EXISTING TPX TO S/A 2252, 2258, 2262, 2265 & 2266 FERNDAL TERR.  
**NOTE: CONVERT EXISTING OH SVC TO BRIDLE SERVICE TO S/A 2252, 2265 & 2266 FERNDAL TERR.**

(UNIT 2-7 X1)

(UNIT 2-24 X1)

(UNIT 3-3 X4)(UNIT 3-5 X4)

**P09 TO P10:**  
**WO# 101172075**  
INSTALL #2 OH SEC TPX APPROX. 50FT (ACTUAL: \_\_\_\_\_FT)

(UNIT 2-20A X1)

**P10: NEW POLE 35FT CL3 GRID# 468066-157391 (STA 16+80.00, L/A = N/A)**  
**WO# 101172075**  
INSTALL (NEW) 35FT CL3 (PD353) AS PER STD 6010.1000  
**WO# 593260468**  
TRANSFER, REPLACE, SHORTEN OR EXTEND EXISTING TPX TO S/A 2257 & 2261 FERNDAL TERR.

(UNIT 2-7 X1)

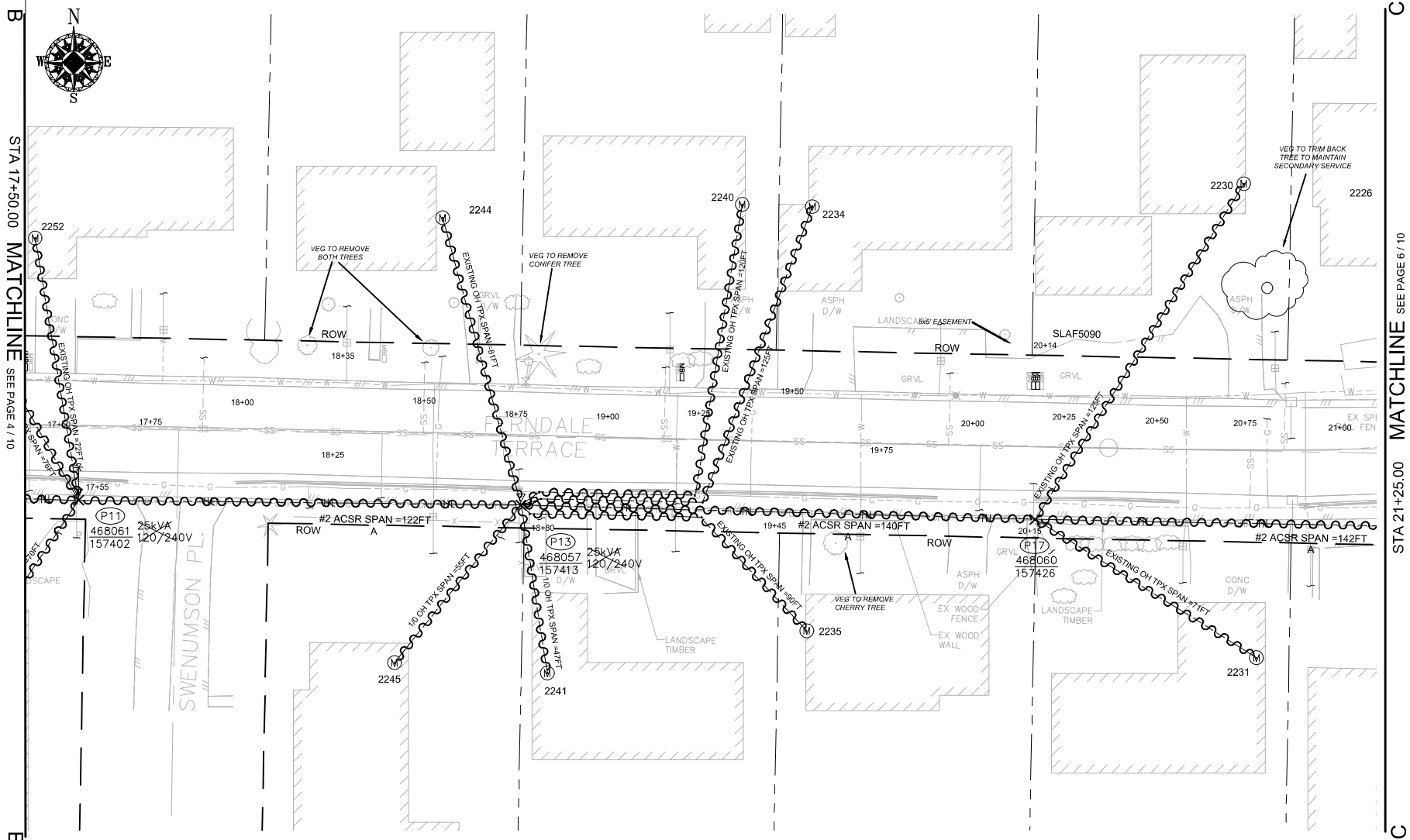
**P11: EXISTING 2003 45FT CL3 GRID #468061-157402 (STA 17+55.00, L/A = N/A)**  
**WO# 108159355**  
REMOVE EXISTING 25kVA 120/240V OH XFMR  
REMOVE EXISTING #2 TPX APPROX. 210FT (ACTUAL = \_\_\_\_\_FT) TO S/A 2252, 2257 & 2258 (+/- 10')  
INSTALL (TRANSFER) EXISTING STREET LIGHT (SLAF4202) TO NEW POLE P09  
REMOVE POLE STUB AFTER COMMUNICATION TRANSFERS HAVE BEEN COMPLETED  
**ATTACHED UTILITIES: COMCAST & ZIPLY**

(UNIT 2-302 X1)

(UNIT 2-129 X1)

CONSTRUCTION SET

| REAL ESTATE/EASEMENT                                                                                            |              |              |                 | PERMIT                                     |                |               |              |
|-----------------------------------------------------------------------------------------------------------------|--------------|--------------|-----------------|--------------------------------------------|----------------|---------------|--------------|
| RW-133686                                                                                                       |              |              |                 | FERNDAL                                    |                |               |              |
| 3                                                                                                               |              |              |                 | FUNCTION                                   | CONTACT        | PHONE NO      | DATE         |
| 2                                                                                                               |              |              |                 | PROJECT MGR                                | JANE MAJOR     | 360-791-2748  | 1/10/25      |
| 1                                                                                                               |              |              |                 | ENGR - POWER                               | JORDAN VELASCO | 360-296-3127  | 1/10/25      |
| REV#                                                                                                            | DATE         | BY           | DESCRIPTION     | ENGR - GAS                                 | N/A            | N/A           | N/A          |
| COUNTY                                                                                                          | WHATCOM      | Emer Sect    | Gas Wk Ctr      | POWER WK CTR                               | DRAWN BY       | JOHN HATHAWAY | 360-201-1340 |
| 1/4 SEC                                                                                                         |              | N/A          | N/A             | CSPFEPI                                    | CHECKED BY     | 360-941-2007  | 1/10/25      |
| T40N R2E S19                                                                                                    | OP MAP       | N/A          |                 | PLAT MAP                                   | APPROVED BY    | JANE MAJOR    | 360-791-2748 |
| U-MAP NO (POWER)                                                                                                | OH CKT MAP   | UG CKT MAP   | CIRCUIT NO      | FOREMAN #1                                 |                |               |              |
| A3902E075                                                                                                       | D3902E080    | R3902E075    | VIS-23          | FOREMAN #2                                 |                |               |              |
|                                                                                                                 |              |              |                 | MAPPING                                    |                |               |              |
| JOINT FACILITIES ARRANGEMENTS                                                                                   |              |              |                 |                                            |                |               |              |
| UTILITIES                                                                                                       | ZIPLY        | COMCAST      | ASTOUND         | N/A                                        |                |               |              |
| CONTACT                                                                                                         | MIKE MERRILL | KEN BRIDGES  | JEREMIAH STRAND | N/A                                        |                |               |              |
| PHONE#                                                                                                          | 615-719-0199 | 253-278-4268 | 360-500-9011    | N/A                                        |                |               |              |
|  <b>PUGET SOUND ENERGY</b> |              |              |                 | CITY OF FERNDAL                            |                |               |              |
|                                                                                                                 |              |              |                 | FERNDAL TERRACE INFRASTRUCTURE IMPROVEMENT |                |               |              |
|                                                                                                                 |              |              |                 | 2295 FERNDAL TERRACE, FERNDAL WA           |                |               |              |
|                                                                                                                 |              |              |                 | INCIDENT                                   | MAOP           |               |              |
|                                                                                                                 |              |              |                 | N/A                                        | N/A            |               |              |
|                                                                                                                 |              |              |                 | Gas Order                                  | Elect Order    |               |              |
|                                                                                                                 |              |              |                 | N/A                                        | 101172075      |               |              |
|                                                                                                                 |              |              |                 | SCALE                                      | PAGE           |               |              |
|                                                                                                                 |              |              |                 | AS NOTED                                   | 7/24           |               |              |



SITE PLAN - DEMOLITION (P11/P13/P17)

SCALE: 1" = 20'

| POLE RETIREMENT TABLE |               |        |       |      |                          |                          | TEMP TRANSFERS           |                          |                          | ST. LIGHT TRANSFERS                 |                          |           |
|-----------------------|---------------|--------|-------|------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|-----------|
| SITE #                | POLE DATA     |        |       |      | POLE                     |                          | TEL                      | TV                       | FIBER                    | TRAN                                | RMVD                     | ID NUMBER |
|                       | GRID #        | HEIGHT | CLASS | YEAR | TOPPED                   | RMVD                     |                          |                          |                          |                                     |                          |           |
| P13                   | 468057-157413 | 45FT   | 3     | 1981 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |           |
| P17                   | 468060-157426 | 45FT   | 3     | 2003 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | SLAF5090  |

| WIRE REMOVAL TABLE            |          |                    |          |                           |              |                   |
|-------------------------------|----------|--------------------|----------|---------------------------|--------------|-------------------|
| LOCATION                      |          | WIRE SIZE & TYPE   | QUANTITY | LENGTH (FT PER CONDUCTOR) | TOTAL LENGTH | REMARKS           |
| FROM                          | TO       |                    |          |                           |              |                   |
| P11                           | P13      | #2 ACSR PRI & NEUT | 2        | 122                       | 244          | A PHASE           |
| P13                           | S/A 2234 | EXISTING OH TPX    | 1        | 125                       | 125          |                   |
| P13                           | S/A 2235 | EXISTING OH TPX    | 1        | 90                        | 90           |                   |
| P13                           | S/A 2240 | EXISTING OH TPX    | 1        | 120                       | 120          |                   |
| P13                           | S/A 2241 | EXISTING OH TPX    | 1        | 47                        | 47           |                   |
| P13                           | S/A 2244 | EXISTING OH TPX    | 1        | 81                        | 81           |                   |
| P13                           | S/A 2245 | EXISTING OH TPX    | 1        | 55                        | 55           |                   |
| P13                           | P17      | #2 ACSR PRI & NEUT | 2        | 140                       | 280          | A PHASE           |
| P17                           | S/A 2230 | EXISTING OH TPX    | 1        | 125                       | 125          |                   |
| P17                           | S/A 2231 | EXISTING OH TPX    | 1        | 71                        | 71           |                   |
| TOTAL FEET #2 ACSR PRI & NEUT |          |                    |          |                           | 524          | ACTUAL____REMOVED |
| TOTAL FEET EXISTING OH TPX    |          |                    |          |                           | 714          | ACTUAL____REMOVED |

TRANSFORMER REMOVAL

Installed at site:

P13

Grid Number:

468057-157413

kVA Rating:

25kVA

Foreman to redline the following information

Company ID#: \_\_\_\_\_

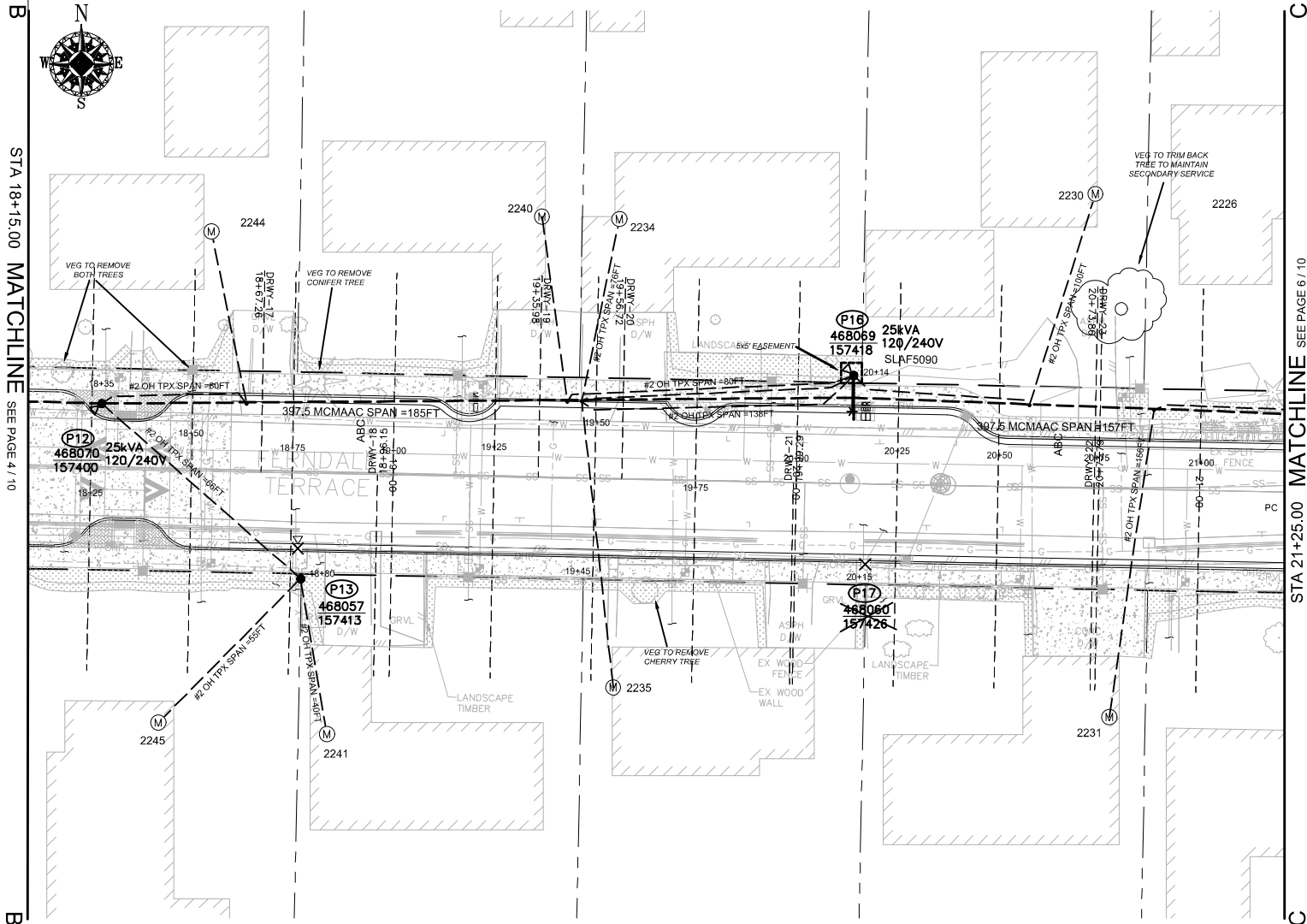
Primary phase connected to: \_\_\_\_\_

Tested Secondary Voltage \_\_\_\_\_

CONSTRUCTION SET

|                                              |              |              |                 |                                             |                |              |               |
|----------------------------------------------|--------------|--------------|-----------------|---------------------------------------------|----------------|--------------|---------------|
|                                              |              |              |                 | REAL ESTATE/EASEMENT                        |                | PERMIT       |               |
|                                              |              |              |                 | RW-133886                                   |                | FERNDALE     |               |
| 3                                            |              |              |                 | FUNCTION                                    | CONTACT        | PHONE NO     | DATE          |
| 2                                            |              |              |                 | PROJECT MGR                                 | JANE MAJOR     | 360-791-2748 | 1/10/25       |
| 1                                            |              |              |                 | ENGR - POWER                                | JORDAN VELASCO | 360-296-3127 | 1/10/25       |
| REV#                                         | DATE         | BY           | DESCRIPTION     | ENGR - GAS                                  | N/A            | N/A          | N/A           |
| COUNTY                                       | WHATCOM      | Emer Sect    | Gas Wk Ctr      | POWER WK CTR                                | CSPFEPI        | DRAWN BY     | JOHN HATHAWAY |
| 1/4 SEC                                      | T40N R2E S19 | N/A          | N/A             | PLAT MAP                                    | N/A            | CHECKED BY   | 360-201-1340  |
| U-MAP NO (POWER)                             | A3902E075    | OH CKT MAP   | D3902E080       | UG CKT MAP                                  | R3902E075      | CIRCUIT NO   | 360-941-2007  |
|                                              |              |              |                 |                                             |                | FOREMAN #1   | 360-791-2748  |
|                                              |              |              |                 |                                             |                | FOREMAN #2   | 1/10/25       |
|                                              |              |              |                 |                                             |                | MAPPING      |               |
| JOINT FACILITIES ARRANGEMENTS                |              |              |                 |                                             |                |              |               |
| UTILITIES                                    | ZIPPLY       | COMCAST      | ASTOUND         | N/A                                         |                |              |               |
| CONTACT                                      | MIKE MERRILL | KEN BRIDGES  | JEREMIAH STRAND | N/A                                         |                |              |               |
| PHONE#                                       | 615-719-0199 | 253-278-4268 | 360-500-9011    | N/A                                         |                |              |               |
| <div>PSI</div> <div>PUGET SOUND ENERGY</div> |              |              |                 | CITY OF FERNDALE                            |                |              | INCIDENT      |
|                                              |              |              |                 | FERNDALE TERRACE INFRASTRUCTURE IMPROVEMENT |                |              | N/A           |
|                                              |              |              |                 | 2295 FERNDALE TERRACE, FERNDALE WA          |                |              | MAOP          |
|                                              |              |              |                 |                                             |                |              | N/A           |
|                                              |              |              |                 |                                             |                |              | Gas Order     |
|                                              |              |              |                 |                                             |                |              | Elect Order   |
|                                              |              |              |                 |                                             |                |              | 101172075     |
|                                              |              |              |                 |                                             |                |              | SCALE         |
|                                              |              |              |                 |                                             |                |              | PAGE          |
|                                              |              |              |                 |                                             |                |              | 8/24          |





SITE PLAN - NEW FACILITIES (P12-P18)

SCALE: 1" = 20'

WIRE STRINGING TABLE

| LOCATION                 |          | PRI | SEC | WIRE SIZE & TYPE | QUANTITY | LENGTH (FT PER CONDUCTOR) | REMARKS                |
|--------------------------|----------|-----|-----|------------------|----------|---------------------------|------------------------|
| FROM                     | TO       |     |     |                  |          |                           |                        |
| P09                      | P12      | XX  |     | 397.5 MCMAAC     | 3        | 161                       | A/B/C PHASES           |
| P09                      | P12      | XX  |     | 4/0 ACSR NEUT    | 1        | 161                       |                        |
| P12                      | P16      | XX  |     | 397.5 MCMAAC     | 3        | 148                       | A/B/C PHASES           |
| P12                      | P16      | XX  |     | 4/0 ACSR NEUT    | 1        | 148                       |                        |
| P12                      | P13      | XX  |     | #2 OH TPX        | 1        | 66                        |                        |
| P16                      | P21      | XX  |     | 397.5 MCMAAC     | 3        | 157                       | A/B/C PHASES           |
| P16                      | P21      | XX  |     | 4/0 ACSR NEUT    | 1        | 157                       |                        |
| P13                      | S/A 2241 | XX  |     | #2 OH TPX        | 1        | 40                        |                        |
| P13                      | S/A 2245 | XX  |     | #2 OH TPX        | 1        | 55                        |                        |
| P16                      | S/A 2240 | XX  |     | #2 OH TPX        | 1        | 80                        |                        |
| P12                      | S/A 2244 | XX  |     | #2 OH TPX        | 1        | 80                        |                        |
| P16                      | S/A 2235 | XX  |     | #2 OH TPX        | 1        | 138                       |                        |
| P16                      | S/A 2234 | XX  |     | #2 OH TPX        | 1        | 76                        |                        |
| P16                      | S/A 2230 | XX  |     | #2 OH TPX        | 1        | 100                       |                        |
| TOTAL FEET 397.5 MCMACSR |          |     |     |                  |          | 1398                      | ACTUAL _____ INSTALLED |
| TOTAL FEET 4/0 NEUT      |          |     |     |                  |          | 466                       | ACTUAL _____ INSTALLED |
| TOTAL FEET #2 OH TPX     |          |     |     |                  |          | 635                       | ACTUAL _____ INSTALLED |

POLE TABLE (NEW)

| SITE | POLE DATA     |        |       |      |                        |
|------|---------------|--------|-------|------|------------------------|
|      | GRID #        | HEIGHT | CLASS | YEAR | REMARKS / LOCATION REF |
| P12  | 468070-157400 | 50FT   | H2    |      |                        |
| P13  | 468057-157413 | 35FT   | 3     |      |                        |
| P16  | 468069-157418 | 50FT   | H2    |      |                        |

TRANSFORMER INSTALLATION

Installed at site: **P12**  
Grid Number: **468070-157400**  
kVA Rating: **25kVA**  
Material ID#: **6211250**

Foreman to redline the following information

Company ID#: \_\_\_\_\_  
Primary phase connected to: \_\_\_\_\_  
Tested Secondary Voltage: \_\_\_\_\_ / \_\_\_\_\_

TRANSFORMER INSTALLATION

Installed at site: **P16**  
Grid Number: **468069-157418**  
kVA Rating: **25kVA**  
Material ID#: **6211250**

Foreman to redline the following information

Company ID#: \_\_\_\_\_  
Primary phase connected to: \_\_\_\_\_  
Tested Secondary Voltage: \_\_\_\_\_ / \_\_\_\_\_

SITE SPECIFIC NOTES (CONTINUED)

P12: NEW POLE 50FT CLH2 GRID# 468070-157400 (STA 18+35.00, L/A = 0°)

WO# 101172075

INSTALL (NEW) 50FT CLH2 (PD50H2) AS PER STD 6010.1000

NOTE: DEEP SET POLE 1'

INSTALL 12 kV 3-PHASE TANGENT PTP 397 AAC (TAN313) AS PER STD 6033.1012

INSTALL 25kVA 7-120/240 OH XFMR (TRFNXF) FUSE @ 10T AS PER STD 6025.1000

WO# 593260468

TRANSFER, REPLACE, SHORTEN OR EXTEND EXISTING TPX TO S/A 2244 FERNDAL TERR.

P13: EXISTING 1981 45FT CL3 GRID #468057-157413 (STA 18+80.00, L/A = N/A°)

WO# 101172075

INSTALL (REPLACE) 35FT CL3 (PD353) AS PER STD 6010.1000

WO# 108159355

REMOVE EXISTING 25kVA 120/240V OH XFMR

REMOVE POLE STUB AFTER COMMUNICATION TRANSFERS HAVE BEEN COMPLETED

ATTACHED UTILITIES: COMCAST & ZIPLY

WO# 593260468

TRANSFER, REPLACE, SHORTEN OR EXTEND EXISTING TPX TO S/A 2241 & 2245 FERNDAL TERR.

P12 TO P13:

WO# 101172075

INSTALL #2 OH SEC TPX APPROX. 66FT (ACTUAL: \_\_\_\_\_ FT)

P16: NEW POLE 50FT CLH2 GRID# 468069-157418 (STA 20+14.00, L/A = 2°)

WO# 101172075

INSTALL (NEW) 50FT CLH2 (PD50H2) AS PER STD 6010.1000

NOTE: DEEP SET POLE 1'

INSTALL 3-PHASE SGL WINGARM 397 (TASW313) AS PER STD 6033.4012

INSTALL 25kVA 7-120/240 OH XFMR (TRFNXF) FUSE @ 10T AS PER STD 6025.1000

INSTALL NEUTRAL ON 12kV 1-PHASE FG ARM SOUTH (TANF15) AS PER STD 6031.2010

WO# 593260468

TRANSFER, REPLACE, SHORTEN OR EXTEND EXISTING TPX TO S/A 2230, 2234, 2235 & 2240 FERNDAL TERR.

NOTE: CONVERT EXISTING OH SVC TO BRIDLE SERVICE TO S/A 2230, 2234, 2235 & 2240 FERNDAL TERR.

P17: EXISTING 2003 45FT CL3 GRID #468060-157426 (STA 20+15.00, L/A = N/A)

WO# 593260468

INSTALL (TRANSFER) EXISTING STREET LIGHT (SLAF5090) TO NEW POLE P16

WO# 108159355

REMOVE POLE STUB AFTER COMMUNICATION TRANSFERS HAVE BEEN COMPLETED

ATTACHED UTILITIES: COMCAST & ZIPLY

(UNIT 2-7 X1)

(UNIT 2-24 X1)

(UNIT 2-23 X1)

(UNIT 2-129 X1)

(UNIT 2-20A X1)

(UNIT 2-7 X1)

(UNIT 2-24 X1)

(UNIT 3-3 X4)(UNIT 3-5 X8)

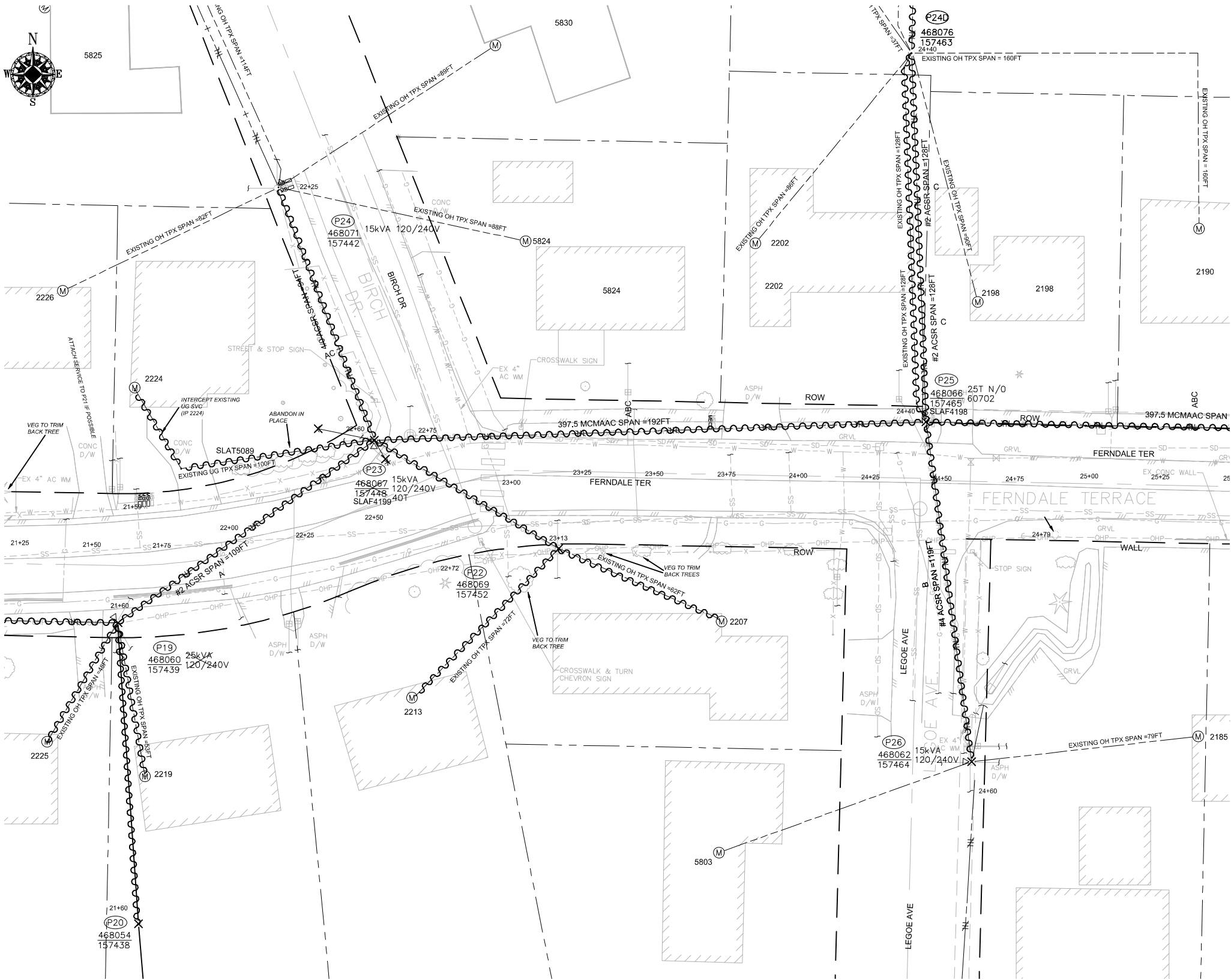
(UNIT 2-302 X1)

(UNIT 2-129 X1)

CONSTRUCTION SET

|                               |              |              |                 | REAL ESTATE/EASEMENT                       |                | PERMIT       |               |
|-------------------------------|--------------|--------------|-----------------|--------------------------------------------|----------------|--------------|---------------|
|                               |              |              |                 | RW-133686                                  |                | FERNDAL TERR |               |
| 3                             |              |              |                 | FUNCTION                                   | CONTACT        | PHONE NO     | DATE          |
| 2                             |              |              |                 | PROJECT MGR                                | JANE MAJOR     | 360-791-2748 | 1/10/25       |
| 1                             |              |              |                 | ENGR - POWER                               | JORDAN VELASCO | 360-296-3127 | 1/10/25       |
| REV#                          | DATE         | BY           | DESCRIPTION     | ENGR - GAS                                 | N/A            | N/A          | N/A           |
| COUNTY                        | WHATCOM      | Emer Sect    | Gas Wk Ctr      | POWER WK CTR                               | CSPFEPI        | DRAWN BY     | JOHN HATHAWAY |
| 1/4 SEC                       | T40N R2E S19 | OP MAP       | N/A             | PLAT MAP                                   | N/A            | CHECKED BY   | 360-941-2007  |
| U-MAP NO (POWER)              | A3902E075    | OH CKT MAP   | D3902E080       | UG CKT MAP                                 | R3902E075      | APPROVED BY  | JANE MAJOR    |
|                               |              |              |                 |                                            |                | FOREMAN #1   | 360-791-2748  |
|                               |              |              |                 |                                            |                | FOREMAN #2   |               |
|                               |              |              |                 |                                            |                | MAPPING      |               |
| JOINT FACILITIES ARRANGEMENTS |              |              |                 |                                            |                |              |               |
| UTILITIES                     | ZIPLY        | COMCAST      | ASTOUND         | N/A                                        |                |              |               |
| CONTACT                       | MIKE MERRILL | KEN BRIDGES  | JEREMIAH STRAND | N/A                                        |                |              |               |
| PHONE#                        | 615-719-0199 | 253-278-4268 | 360-500-9011    | N/A                                        |                |              |               |
| PUGET SOUND ENERGY            |              |              |                 | CITY OF FERNDAL                            |                |              |               |
|                               |              |              |                 | FERNDAL TERRACE INFRASTRUCTURE IMPROVEMENT |                |              |               |
|                               |              |              |                 | 2295 FERNDAL TERRACE, FERNDAL WA           |                |              |               |
|                               |              |              |                 | INCIDENT                                   | N/A            | MAOP         | N/A           |
|                               |              |              |                 | Gas Order                                  | N/A            | Elect Order  | 101172075     |
|                               |              |              |                 | SCALE                                      | AS NOTED       | PAGE         | 9/24          |

C STA 21+25.00 MATCHLINE SEE PAGE 6 / 10



D STA 25+50.00 MATCHLINE SEE PAGE 7 / 10

SITE PLAN - DEMOLITION(P19/P20/P22/P23/P24/24D/P25/P26)  
SCALE: 1" = 20'

| POLE RETIREMENT TABLE |               |        |       |      |                          |                          | TEMP TRANSFERS           |                          |                          | ST. LIGHT TRANSFERS                 |                          |           |
|-----------------------|---------------|--------|-------|------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|-----------|
| SITE #                | POLE DATA     |        |       |      | POLE                     |                          | TEL                      | TV                       | FIBER                    | TRAN                                | RMVD                     | ID NUMBER |
|                       | GRID #        | HEIGHT | CLASS | YEAR | TOPPED                   | RMVD                     |                          |                          |                          |                                     |                          |           |
| P19                   | 468060-157439 | 45FT   | 3     | 2003 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | SLAT5089  |
| P20                   | 468054-157438 | UNK    | UNK   | UNK  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |           |
| P22                   | 468069-157452 | 45FT   | 3     | 2003 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |           |
| P23                   | 468067-157448 | 45FT   | 4     | 2003 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | SLAF4199  |
| P25                   | 468066-157465 | 45FT   | 2     | 2002 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | SLAF 4198 |
| P26                   | 468052-157464 | 45FT   | 3     | 2012 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |           |

TRANSFORMER REMOVAL

Installed at site: **P19**

Grid Number: 468060-157439

kVA Rating: 25kVA

Foreman to redline the following information

Company ID#: \_\_\_\_\_

Primary phase connected to: \_\_\_\_\_

Tested Secondary Voltage   /

TRANSFORMER REMOVAL

Installed at site: **P23**

Grid Number: 468067-157448

kVA Rating: 25kVA

Foreman to redline the following information

Company ID#: \_\_\_\_\_

Primary phase connected to: \_\_\_\_\_

Tested Secondary Voltage   /

TRANSFORMER REMOVAL

Installed at site: **P26**

Grid Number: 468052-157464

kVA Rating: 15kVA

Foreman to redline the following information

Company ID#: \_\_\_\_\_

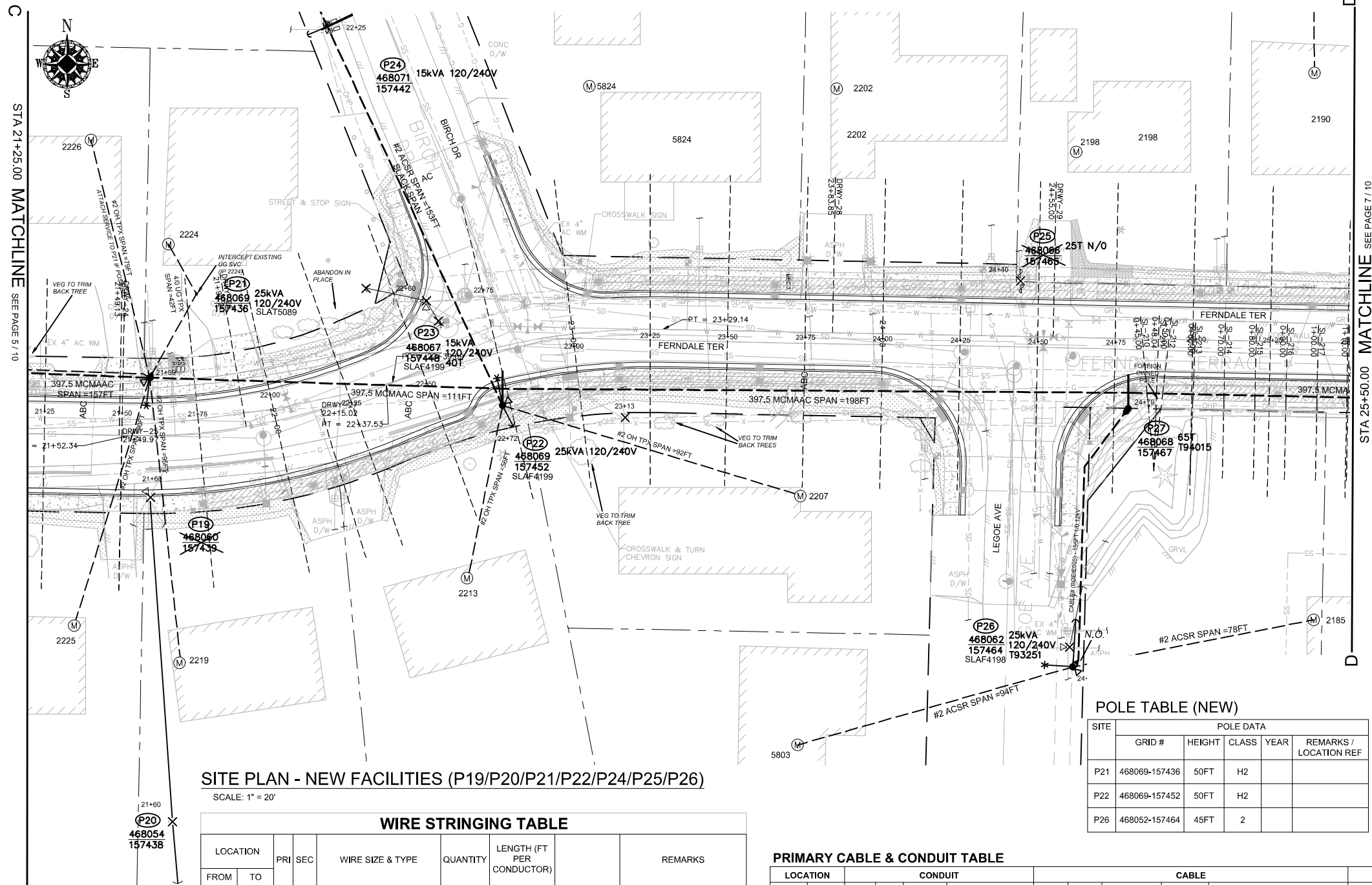
Primary phase connected to: \_\_\_\_\_

Tested Secondary Voltage   /

| WIRE REMOVAL TABLE             |          |                     |          |                           |              |                   |
|--------------------------------|----------|---------------------|----------|---------------------------|--------------|-------------------|
| LOCATION                       |          | WIRE SIZE & TYPE    | QUANTITY | LENGTH (FT PER CONDUCTOR) | TOTAL LENGTH | REMARKS           |
| FROM                           | TO       |                     |          |                           |              |                   |
| P17                            | P19      | #2 ACSR PRI & NEUT  | 2        | 142                       | 284          | A PHASE           |
| P19                            | S/A 2219 | EXISTING OH TPX     | 1        | 53                        | 53           |                   |
| P19                            | S/A 2225 | EXISTING OH TPX     | 1        | 48                        | 48           |                   |
| P19                            | P23      | #2 ACSR PRI & NEUT  | 2        | 109                       | 218          | A PHASE           |
| P22                            | P23      | EXISTING OH TPX     | 1        | 74                        | 74           |                   |
| P22                            | S/A 2207 | EXISTING OH TPX     | 1        | 62                        | 62           |                   |
| P22                            | S/A 2213 | EXISTING OH TPX     | 1        | 72                        | 72           |                   |
| P23                            | P24      | 4/0 ACSR PRI & NEUT | 3        | 94                        | 282          | A/C PHASES        |
| P23                            | P25      | 397.5 MCM ACSR      | 3        | 192                       | 576          | A/B/C PHASES      |
| P23                            | P25      | 4/0 ACSR NEUT       | 1        | 192                       | 192          |                   |
| P24                            | P24A     | 4/0 ACSR NEUT       | 1        | 114                       | 114          |                   |
| P24D                           | P25      | EXISTING OH TPX     | 1        | 128                       | 128          |                   |
| P24D                           | P25      | #2 ACSR PRI & NEUT  | 2        | 128                       | 256          | C PHASE           |
| P25                            | P26      | #4 ACSR PRI & NEUT  | 2        | 119                       | 238          | B PHASE           |
| TOTAL FEET #2 ACSR PRI & NEUT  |          |                     |          |                           | 758          | ACTUAL____REMOVED |
| TOTAL FEET EXISTING OH TPX     |          |                     |          |                           | 437          | ACTUAL____REMOVED |
| TOTAL FEET 4/0 ACSR PRI & NEUT |          |                     |          |                           | 588          | ACTUAL____REMOVED |
| TOTAL FEET 397.5 MCM ACSR      |          |                     |          |                           | 576          | ACTUAL____REMOVED |
| TOTAL FEET #4 ACSR PRI & NEUT  |          |                     |          |                           | 238          | ACTUAL____REMOVED |

## CONSTRUCTION SET

|                               |  |  |  |                      |                |              |           |                 |               |              |         |
|-------------------------------|--|--|--|----------------------|----------------|--------------|-----------|-----------------|---------------|--------------|---------|
| 3                             |  |  |  | REAL ESTATE/EASEMENT |                |              |           | PERMIT          |               |              |         |
| 2                             |  |  |  | RW-133686            |                |              |           | FERNDALE        |               |              |         |
| 1                             |  |  |  | FUNCTION             | CONTACT        | PHONE NO     | DATE      |                 |               |              |         |
|                               |  |  |  | PROJECT MGR          | JANE MAJOR     | 360-791-2748 | 1/10/25   |                 |               |              |         |
|                               |  |  |  | ENGR - POWER         | JORDAN VELASCO | 360-296-3127 | 1/10/25   |                 |               |              |         |
| REV#                          |  |  |  | DATE                 | BY             | DESCRIPTION  |           | ENGR - GAS      | N/A           | N/A          | N/A     |
| COUNTY                        |  |  |  | Emer Sect            | Gas Wk Ctr     | POWER WK CTR |           | DRAWN BY        | JOHN HATHAWAY | 360-201-1340 | 1/10/25 |
| WHATCOM                       |  |  |  | N/A                  | N/A            | CSPFEPI      |           | CHECKED BY      | 360-941-2007  | 1/10/25      |         |
| 1/4 SEC                       |  |  |  | OP MAP               | N/A            | PLAT MAP     |           | APPROVED BY     | JANE MAJOR    | 360-791-2748 | 1/10/25 |
| T40N R2E S19                  |  |  |  | N/A                  | N/A            | N/A          |           | FOREMAN #1      |               |              |         |
| U-MAP NO (POWER)              |  |  |  | OH CKT MAP           | D3902E080      | UG CKT MAP   | R3902E075 | CIRCUIT NO      | VIS-23        |              |         |
| A3902E075                     |  |  |  |                      |                |              |           | FOREMAN #2      |               |              |         |
|                               |  |  |  |                      |                |              |           | MAPPING         |               |              |         |
| JOINT FACILITIES ARRANGEMENTS |  |  |  |                      |                |              |           |                 |               |              |         |
| UTILITIES                     |  |  |  | ZIPPLY               |                |              |           | COMCAST         |               |              |         |
| CONTACT                       |  |  |  | MIKE MERRILL         |                |              |           | KEN BRIDGES     |               |              |         |
| PHONE#                        |  |  |  | 615-719-0199         |                |              |           | 253-278-4268    |               |              |         |
|                               |  |  |  |                      |                |              |           | ASTOUND         |               |              |         |
|                               |  |  |  |                      |                |              |           | JEREMIAH STRAND |               |              |         |
|                               |  |  |  |                      |                |              |           | 360-500-9011    |               |              |         |
|                               |  |  |  |                      |                |              |           |                 |               |              |         |
|                               |  |  |  |                      |                |              |           |                 |               |              |         |
|                               |  |  |  |                      |                |              |           |                 |               |              |         |
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|                               |  |  |  |                      |                |              |           |                 |               |              |         |
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|                               |  |  |  |                      |                |              |           |                 |               |              |         |
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|                               |  |  |  |                      |                |              |           |                 |               |              |         |
|                               |  |  |  |                      |                |              |           |                 |               |              |         |
|                               |  |  |  |                      |                |              |           |                 |               |              |         |
|                               |  |  |  |                      |                |              |           |                 |               |              |         |
|                               |  |  |  |                      |                |              |           |                 |               |              |         |
|                               |  |  |  |                      |                |              |           |                 |               |              |         |
|                               |  |  |  |                      |                |              |           |                 |               |              |         |
|                               |  |  |  |                      |                |              |           |                 |               |              |         |
|                               |  |  |  |                      |                |              |           |                 |               |              |         |
|                               |  |  |  |                      |                |              |           |                 |               |              |         |
|                               |  |  |  |                      |                |              |           |                 |               |              |         |
|                               |  |  |  |                      |                |              |           |                 |               |              |         |
|                               |  |  |  |                      |                |              |           |                 |               |              |         |
|                               |  |  |  |                      |                |              |           |                 |               |              |         |
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|                               |  |  |  |                      |                |              |           |                 |               |              |         |
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|                               |  |  |  |                      |                |              |           |                 |               |              |         |
|                               |  |  |  |                      |                |              |           |                 |               |              |         |
|                               |  |  |  |                      |                |              |           |                 |               |              |         |
|                               |  |  |  |                      |                |              |           |                 |               |              |         |
|                               |  |  |  |                      |                |              |           |                 |               |              |         |
|                               |  |  |  |                      |                |              |           |                 |               |              |         |
|                               |  |  |  |                      |                |              |           |                 |               |              |         |
|                               |  |  |  |                      |                |              |           |                 |               |              |         |



SITE PLAN - NEW FACILITIES (P19/P20/P21/P22/P24/P25/P26)  
SCALE: 1" = 20'

| WIRE STRINGING TABLE     |          |     |     |                  |          |              |
|--------------------------|----------|-----|-----|------------------|----------|--------------|
| LOCATION                 |          | PRI | SEC | WIRE SIZE & TYPE | QUANTITY | REMARKS      |
| FROM                     | TO       |     |     |                  |          |              |
| P21                      | P22      | XX  |     | 397.5 MCMAAC     | 3        | A/B/C PHASES |
| P21                      | P22      | XX  |     | 4/0ACSR NEUT     | 1        |              |
| P21                      | 2219     | XX  |     | #2 OH TPX        | 1        |              |
| P21                      | S/A 2231 | XX  |     | #2 OH TPX        | 1        |              |
| P19                      | S/A 2225 | XX  |     | #2 OH TPX        | 1        |              |
| P22                      | S/A 2207 | XX  |     | #2 OH TPX        | 1        |              |
| P22                      | S/A 2213 | XX  |     | #2 OH TPX        | 1        |              |
| P22                      | P24      | XX  |     | #2 PRI & NEUT    | 2        | A/C PHASES   |
| P22                      | P27      | XX  |     | 397.5 MCMAAC     | 3        | A/B/C PHASES |
| P22                      | P27      | XX  |     | 4/0ACSR NEUT     | 1        |              |
| P26                      | S/A 2185 | XX  |     | #2 OH TPX        | 1        |              |
| P26                      | S/A 5803 | XX  |     | #2 OH TPX        | 1        |              |
| TOTAL FEET 397.5 MCMACSR |          |     |     | ####             | ACTUAL   | INSTALLED    |
| TOTAL FEET 4/0 NEUT      |          |     |     | ####             | ACTUAL   | INSTALLED    |
| TOTAL FEET #2 OH TPX     |          |     |     | 661              | ACTUAL   | INSTALLED    |
| TOTAL FEET #2 PRI & NEUT |          |     |     | 306              | ACTUAL   | INSTALLED    |

PRIMARY CABLE & CONDUIT TABLE

| LOCATION                 |     | CONDUIT   |      |                    |                 | CABLE                       |                |            |                    | ASBUILT INFORMATION - FOREMAN COMPLETE |              |          |      |                                                |         |                  |
|--------------------------|-----|-----------|------|--------------------|-----------------|-----------------------------|----------------|------------|--------------------|----------------------------------------|--------------|----------|------|------------------------------------------------|---------|------------------|
| FROM                     | TO  | SIZE (IN) | QTY. | DESIGN LENGTH (FT) | BENDS           | PULL (LBS)                  | PULL REV (LBS) | CABLE SIZE | DESIGN LENGTH (FT) | PHASE - ID TAG                         | RECORD       |          |      | RECORD PHASE TAPPED & ACTUAL FOOTAGE INSTALLED |         | LUBRICANT (Gal.) |
|                          |     |           |      |                    | 90° 45° 22° 11° |                             |                |            |                    | A B C                                  | MANUFACTURER | COMPOUND | YEAR | NOTES                                          | CONDUIT | CABLE            |
| P26                      | P27 | 4         | 1    | 85                 | 2 2 - -         | 66                          | 69             | 1/0 AL JKT | 155                | - EIE505 -                             |              |          |      | -                                              |         |                  |
| 4" PVC (FT) & BENDS = 85 |     |           |      |                    | 2 2 0 0         | 1/0 AL JKT TOTAL (FT) = 155 |                |            |                    |                                        |              |          |      |                                                |         |                  |

SECONDARY CABLE & CONDUIT TABLE

| LOCATION                 |          | CABLE                   |             |                                  | CONDUIT   |             |                 |           | VOLTAGE   |         | ASBUILT INFORMATION     |       |         |
|--------------------------|----------|-------------------------|-------------|----------------------------------|-----------|-------------|-----------------|-----------|-----------|---------|-------------------------|-------|---------|
| FROM                     | TO       | SIZE (1/0,4/0,350)      | LENGTH      | ASSUMED Lot Corner to Meter (ft) | SIZE (in) | LENGTH (ft) | BENDS           |           | DROP      | FLICKER | Foreman - Complete      |       |         |
|                          |          |                         | Design (ft) |                                  |           | Design (ft) | 90° 45° 22° 11° | (Percent) | (Percent) |         | Actual Amount Installed | Cable | Conduit |
| P21                      | S/A 2224 | 4/0                     | 75          | 40                               | 3         | 40          | 2 2 - - -       | -         | -         | -       |                         |       |         |
| 1/0 UG Triplex (ft) = -  |          | 2" PVC & BENDS (ft)= -  |             | 0 0 0 0 0 0.1                    |           |             |                 |           |           |         |                         |       |         |
| 4/0 UG Triplex (ft) = 75 |          | 3" PVC & BENDS (ft)= 40 |             | 2 0 0 0 0 0.1                    |           |             |                 |           |           |         |                         |       |         |
| 350 UG Triplex (ft) = -  |          |                         |             | TOTAL QTS OF GLUE 0.2            |           |             |                 |           |           |         |                         |       |         |

TRANSFORMER INSTALLATION

Installed at site: **P21**  
Grid Number: **468069-157436**  
kVA Rating: **25kVA**  
Material ID#: **6211250**

Foreman to redline the following information

Company ID#: \_\_\_\_\_  
Primary phase connected to: \_\_\_\_\_  
Tested Secondary Voltage: \_\_\_\_\_

TRANSFORMER INSTALLATION

Installed at site: **P22**  
Grid Number: **468069-157452**  
kVA Rating: **25kVA**  
Material ID#: **6211250**

Foreman to redline the following information

Company ID#: \_\_\_\_\_  
Primary phase connected to: \_\_\_\_\_  
Tested Secondary Voltage: \_\_\_\_\_

TRANSFORMER INSTALLATION

Installed at site: **P26**  
Grid Number: **468052-157464**  
kVA Rating: **25kVA**  
Material ID#: **6211250**

Foreman to redline the following information

Company ID#: \_\_\_\_\_  
Primary phase connected to: \_\_\_\_\_  
Tested Secondary Voltage: \_\_\_\_\_

SITE SPECIFIC NOTES (CONTINUED) (PART 1)

P19: EXISTING 2003 45FT CL3 GRID #468060-157439 (STA 21+60.00, L/A = N/A)  
WO# 108159355  
REMOVE EXISTING 25kVA 120/240V OH XFMR  
REMOVE POLE STUB AFTER COMMUNICATION TRANSFERS HAVE BEEN COMPLETED  
ATTACHED UTILITIES: COMCAST & ZIPLY  
WO# 593260468  
INSTALL (TRANSFER) EXISTING STREET LIGHT (SLAF 5089) TO NEW POLE P21  
(UNIT 2-129 X1)  
(UNIT 2-302 X1)

P20: EXISTING POLE CL UNK GRID #468054-157438 (STA 21+60.00, L/A = N/A)  
WO# 108159355  
REMOVE POLE STUB, DOWN GUY & ANCHOR  
(UNIT 2-26 X1)

P21: NEW POLE 50FT CLH2 GRID# 468069-157436 (STA 21+59.00, L/A = 0°)  
WO# 101172075  
INSTALL (NEW) 50FT CLH2 (PD50H2) AS PER STD 6010.1000  
NOTE: DEEP SET POLE 1'  
INSTALL 12 KV 3-PHASE TANGENT PTP 397 AAC (TAN313) AS PER STD 6033.1012  
INSTALL 25kVA 7-120/240 OH XFMR (TRFNXF) FUSE @ 10T AS PER STD 6025.1000  
INSTALL RISER, 3" COND SYS STANDOFF (RIS3CSS) AS PER STD 6042.1000  
WO# 593260468  
(UNIT 2-7 X1)  
(UNIT 2-24 X1)  
(UNIT 2-24 X1)

TRANSFER, REPLACE, SHORTEN OR EXTEND EXISTING TPX TO S/A 2219 & 2231 FERNDAL TERR.  
NOTE: CONVERT EXISTING OH SVC TO BRIDLE SERVICE TO S/A 2231 FERNDAL TERR.  
INSTALL TPX TO S/A 2226 FERNDAL TERR.  
NOTE: INSTALL IF POSSIBLE  
WO# 594162199  
INSTALL (REPLACE) 4/0 UG TPX TO S/A 2224 FERNDAL TERR. APPROX. 40FT (ACTUAL: \_\_\_\_\_ FT)  
TRENCH & INSTALL NEW 3" DB120 CONDUIT APPROX. 40FT (ACTUAL = \_\_\_\_\_ FT)  
NOTE: INTERCEPT EXISTING SVC (IP 2224)  
(UNIT 3-3 X2)(UNIT 3-5 X2)  
(UNIT 2-54A X40FT)  
(UNIT 2-36 X 40FT) (UNIT 2-49 X 40FT)

P22: EXISTING 2003 45FT CL3 GRID# 468069-157452 (STA 22+72.00, L/A = 1°)  
WO# 101172075  
INSTALL (REPLACE) 50FT CLH2 (PD50H2) AS PER STD 6010.1000  
NOTE: INSTALL TREATED POLE WRAP (MID# 9997789)  
NOTE: DEEP SET POLE 2'  
INSTALL 3-PHASE SGL WINGARM 397 (TASW313) AS PER STD 6033.4012  
12KV 2Ø DE #2ACSR (DE2215) (NORTH) AS PER STD 6032.1040  
INSTALL 25kVA 7-120/240 OH XFMR (TRFNXF) FUSE @ 10T AS PER STD 6025.1000  
INSTALL SINGLE HELIX ANCHOR (ANDH1) (LEAD = 8FT SOUTH) AS PER STD 6012.1000  
INSTALL PRIMARY GUY 3/8" ANC W/AUTO GRIP (GYD3SA) AS PER STD 6013.0100  
INSTALL NEUTRAL GUY 3/8" ANC W/AUTO GRIP (GYD3SAN) AS PER STD 6013.0100  
WO# 108159355  
(UNIT 2-7 X1)  
(UNIT 2-24 X1)  
(UNIT 1-8E X1)

REMOVE POLE STUB AFTER COMMUNICATION TRANSFERS HAVE BEEN COMPLETED  
ATTACHED UTILITIES: COMCAST  
WO# 593260468  
TRANSFER, REPLACE, SHORTEN OR EXTEND EXISTING TPX TO S/A 2207 & 2213 FERNDAL TERR.  
(UNIT 2-129 X1)

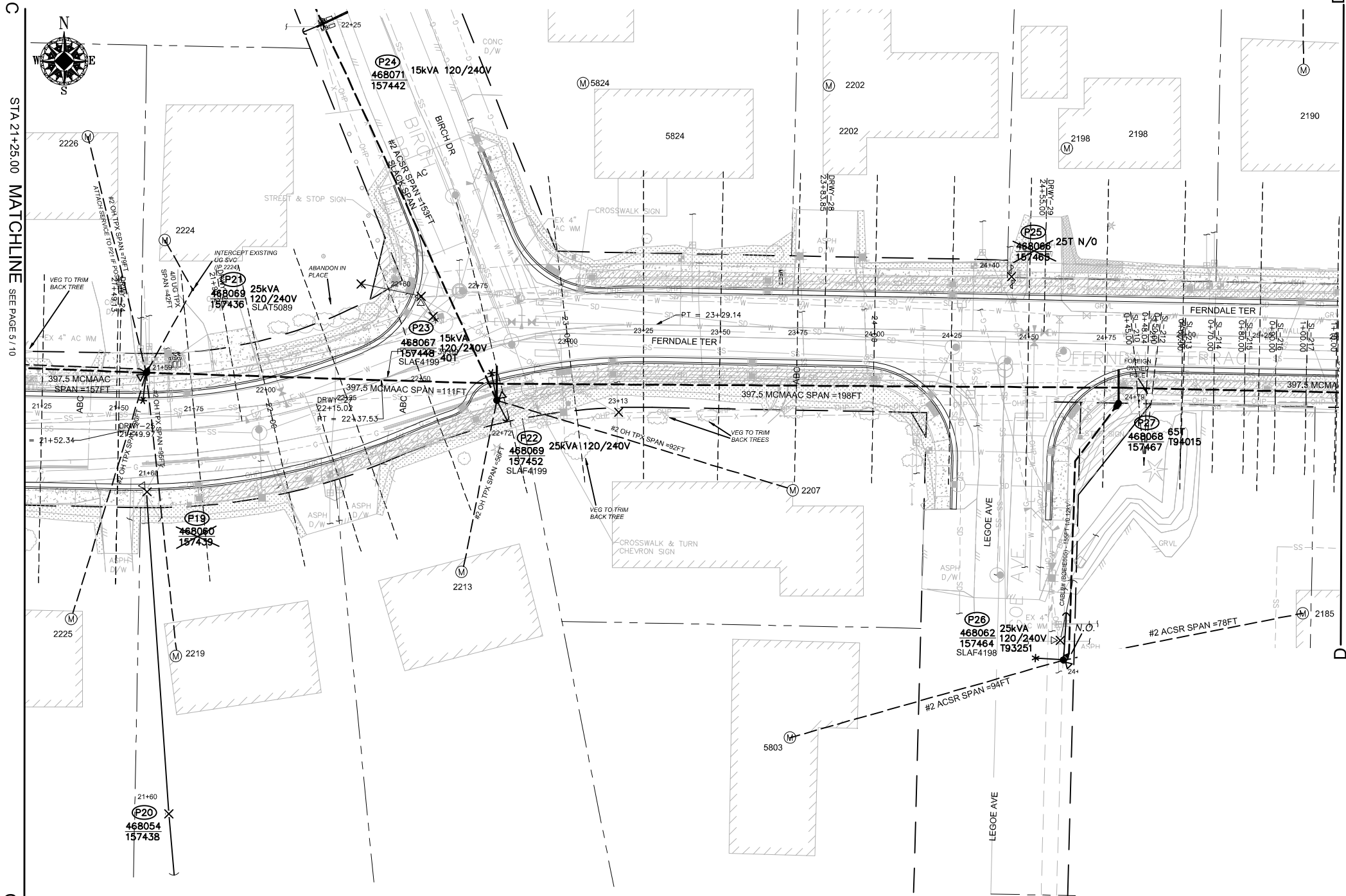
P23: EXISTING 2003 45FT CL4 GRID #468067-157448 (STA 22+60.00, L/A = N/A)  
WO# 108159355  
REMOVE EXISTING 15kVA 120/240V OH XFMR  
REMOVE POLE STUB AFTER COMMUNICATION TRANSFERS HAVE BEEN COMPLETED  
ATTACHED UTILITIES: COMCAST  
WO# 593260468  
INSTALL (TRANSFER) EXISTING STREET LIGHT (SLAF 4199) TO P22  
(UNIT 2-129 X1)  
(UNIT 2-302 X1)

POLE TABLE (NEW)

| SITE | POLE DATA     |        |       |      |                        |
|------|---------------|--------|-------|------|------------------------|
|      | GRID #        | HEIGHT | CLASS | YEAR | REMARKS / LOCATION REF |
| P21  | 468069-157436 | 50FT   | H2    |      |                        |
| P22  | 468069-157452 | 50FT   | H2    |      |                        |
| P26  | 468052-157464 | 45FT   | 2     |      |                        |

CONSTRUCTION SET

| REAL ESTATE/EASEMENT                       |              |              |                 | PERMIT       |                |
|--------------------------------------------|--------------|--------------|-----------------|--------------|----------------|
| RW-133686                                  |              |              |                 | FERNDAL      |                |
| 3                                          |              |              |                 | FUNCTION     | CONTACT        |
| 2                                          |              |              |                 | PROJECT MGR  | JANE MAJOR     |
| 1                                          |              |              |                 | ENGR - POWER | JORDAN VELASCO |
| REV#                                       | DATE         | BY           | DESCRIPTION     | ENGR - GAS   | N/A            |
| COUNTY                                     | WHATCOM      | Emer Sect    | Gas Wk Ctr      | POWER WK CTR | CSPFE#1        |
| 1/4 SEC                                    | T40N R2E S19 | OP MAP       | N/A             | PLAT MAP     | N/A            |
| L-MAP NO (POWER)                           | A3902E075    | OH CKT MAP   | D3902E080       | UG CKT MAP   | R3902E075      |
| CIRCUIT NO                                 |              |              |                 | VIS-23       |                |
| MAPPING                                    |              |              |                 | FOREMAN #1   |                |
|                                            |              |              |                 | FOREMAN #2   |                |
|                                            |              |              |                 | MAPPING      |                |
| JOINT FACILITIES ARRANGEMENTS              |              |              |                 |              |                |
| UTILITIES                                  | ZIPLY        | COMCAST      | ASTOUND         | N/A          |                |
| CONTACT                                    | MIKE MERRILL | KEN BRIDGES  | JEREMIAH STRAND | N/A          |                |
| PHONE#                                     | 615-719-0199 | 253-278-4268 | 360-500-9011    | N/A          |                |
| CITY OF FERNDAL                            |              |              |                 | INCIDENT     | MAOP           |
| FERNDAL TERRACE INFRASTRUCTURE IMPROVEMENT |              |              |                 | Gas Order    | Elect Order    |
| 2295 FERNDAL TERRACE, FERNDAL WA           |              |              |                 | N/A          | 101172075      |
|                                            |              |              |                 | SCALE        | PAGE           |
|                                            |              |              |                 | AS NOTED     | 11/24          |



SITE PLAN - NEW FACILITIES (P19/P20/P21/P22/P24/P25/P26)

SCALE: 1" = 20'

SITE SPECIFIC NOTES (CONTINUED) (PART 2)

P24: EXISTING 2002 45FT CL3 GRID# 468071-157442 (STA 22+25.00, L/A = N/A)  
WO# 101172075  
INSTALL 3-PHASE SGL WINGARM 397 (TASW313) AS PER STD 6033.4012  
INSTALL SINGLE HELIX ANCHOR (ANDH1) (LEAD = 5FT WEST) AS PER STD 6012.1000  
INSTALL PRIMARY GUY 3/8" ANC W/AUTO GRIP (GYD35A) AS PER STD 6013.0100  
INSTALL NEUTRAL GUY 3/8" ANC W/AUTO GRIP (GYD35AN) AS PER STD 6013.0100

(UNIT 1-8E X1)

P25: EXISTING 2002 45FT CL2 GRID #468066-157465 (STA 24+40.00, L/A = 18")  
WO# 108159355  
REMOVE POLE STUB AFTER COMMUNICATION TRANSFERS HAVE BEEN COMPLETED  
ATTACHED UTILITIES: COMCAST, ZIPLY, AND ASTOUND

(UNIT 2-129 X1)

WO# 593260468  
TRANSFER EXISTING 397.5 MCMAAC SPAN  
INSTALL (TRANSFER) EXISTING STREET LIGHT (SLAF 4198) TO P26

(UNIT 2-302 X1)

P26: EXISTING 2002 45FT CL3 GRID #468062-157464 (STA 24+60.00, L/A = 2")  
WO# 101172075  
INSTALL (REPLACE) 45FT CL2 (PD452) AS PER STD 6010.1000  
INSTALL 1-PHASE DE #2ACSR (DE2115) AS PER STD 6031.1040  
INSTALL (REPLACE) 25kVA 7-120/240 OH XFMR (TRFNXF) FUSE @ 10T AS PER STD 6025.1000  
INSTALL SINGLE HELIX ANCHOR (ANDH1) (LEAD = 15FT NORTH) AS PER STD 6012.1000  
INSTALL PRIMARY GUY 3/8" ANC W/AUTO GRIP (GYD35A) AS PER STD 6013.0100  
INSTALL NEUTRAL GUY 3/8" ANC W/AUTO GRIP (GYD35AN) AS PER STD 6013.0100  
INSTALL RISER, 4" COND SYS STANDOFF (RIS4CSS) AS PER STD 6042.1000  
INSTALL 12KV SINGLE-PHASE TERM, LI, UG FEED (UTSU1LI) AS PER STD 6043.1001  
NOTE: OPERATE AS NORMAL OPEN

(UNIT 2-23 X1)

(UNIT 2-24 X1)

(UNIT 1-8E X1)

(UNIT 2-45 X1) (UNIT 2-57 X1)

INSTALL SOLID BLADE DOOR MID# 9995608  
INSTALL CABLE TAG #B0EIE774  
WO# 108159355  
REMOVE EXISTING 15kVA 120/240V OH XFMR  
REMOVE POLE STUB AFTER COMMUNICATION TRANSFERS HAVE BEEN COMPLETED  
ATTACHED UTILITIES: COMCAST & ASTOUND  
WO# 593260468  
TRANSFER EXISTING #4 ACSR SPAN (+/- 10FT)  
TRANSFER, REPLACE, SHORTEN OR EXTEND EXISTING TPX TO S/A 2185 FERNDAL TERR. & 5803 LEGOE

(UNIT 2-129 X1)

P26 TO P27:  
WO# 101172075  
TRENCH & INSTALL NEW 4-IN DB120 CONDUIT APPROX. 85FT (ACTUAL = \_\_\_\_FT)  
INSTALL NEW 12KV 1-PHASE 1/0 CABLE APPROX. 155FT (ACTUAL = \_\_\_\_FT)  
INSTALL CABLE TAG #B0EIE508

(UNIT 2-49 X 85FT) (UNIT 2-36 X 85FT)

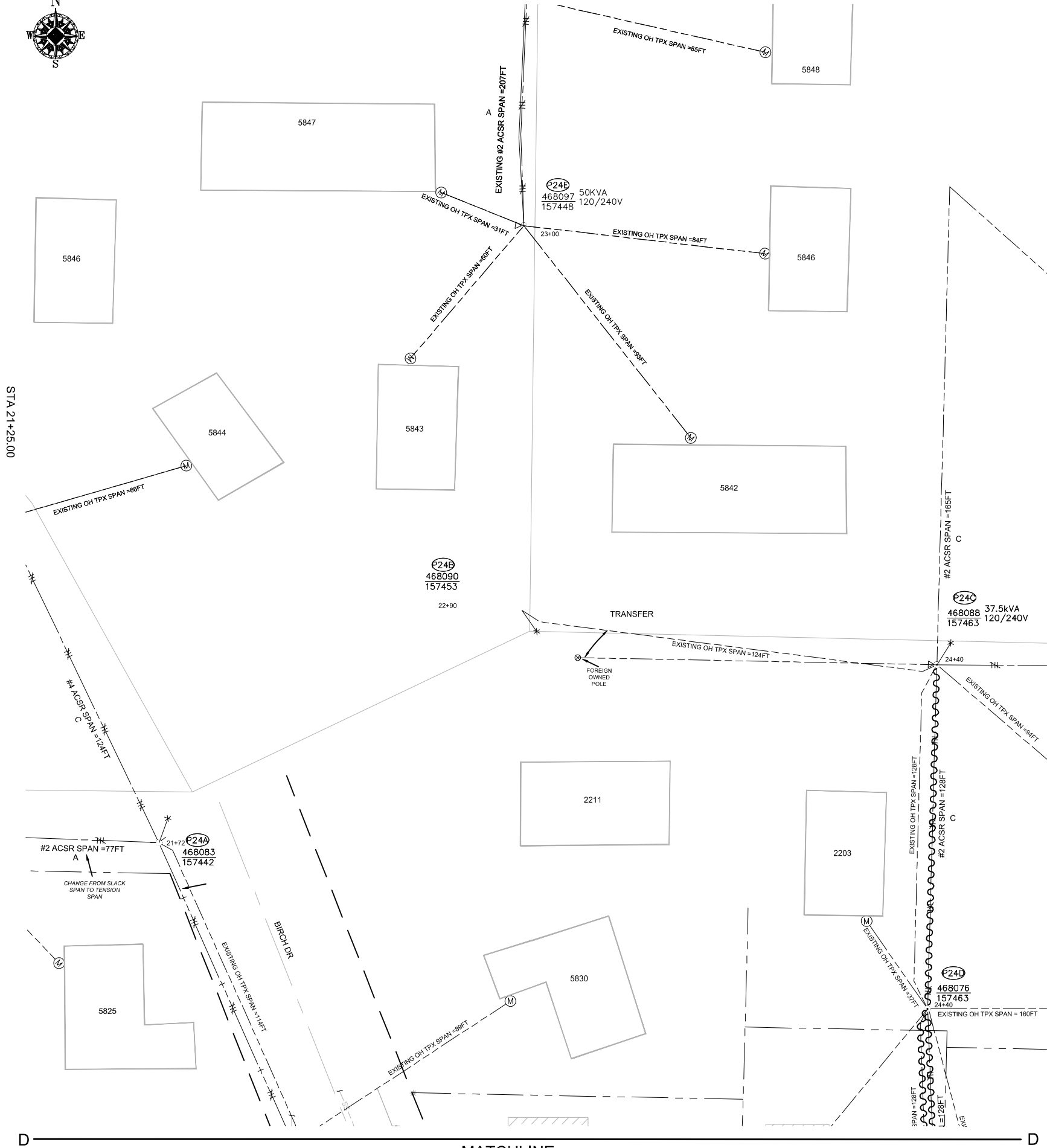
(UNIT 2-54 X 155FT)

CONSTRUCTION SET

| REAL ESTATE/EASEMENT                                                                  |              |                |                 | PERMIT                                     |               |              |         |
|---------------------------------------------------------------------------------------|--------------|----------------|-----------------|--------------------------------------------|---------------|--------------|---------|
| RW-133686                                                                             |              |                |                 | FERNDAL                                    |               |              |         |
| 3                                                                                     | FUNCTION     | CONTACT        | PHONE NO        | DATE                                       |               |              |         |
| 2                                                                                     | PROJECT MGR  | JANE MAJOR     | 360-791-2748    | 1/10/25                                    |               |              |         |
| 1                                                                                     | ENGR - POWER | JORDAN VELASCO | 360-296-3127    | 1/10/25                                    |               |              |         |
| REV#                                                                                  | DATE         | BY             | DESCRIPTION     | ENGR - GAS                                 | N/A           | N/A          | N/A     |
| COUNTY                                                                                | Emer Sect    | Gas Wk Ctr     | POWER WK CTR    | DRAWN BY                                   | JOHN HATHAWAY | 360-201-1340 | 1/10/25 |
| WHATCOM                                                                               | N/A          | N/A            | CSPFEP1         | CHECKED BY                                 | 2013 J. Major | 360-941-2007 | 1/10/25 |
| 1/4 SEC                                                                               | OP MAP       | N/A            | PLAT MAP        | APPROVED BY                                | JANE MAJOR    | 360-791-2748 | 1/10/25 |
| T40N R2E S19                                                                          |              |                |                 | FOREMAN #1                                 |               |              |         |
| U-MAP NO (POWER)                                                                      | OH CKT MAP   | UG CKT MAP     | CIRCUIT NO      | FOREMAN #2                                 |               |              |         |
| A3902E075                                                                             | D3902E080    | R3902E075      | VIS-23          | MAPPING                                    |               |              |         |
| JOINT FACILITIES ARRANGEMENTS                                                         |              |                |                 |                                            |               |              |         |
| UTILITIES                                                                             | ZIPLY        | COMCAST        | ASTOUND         | N/A                                        |               |              |         |
| CONTACT                                                                               | MIKE MERRILL | KEN BRIDGES    | JEREMIAH STRAND | N/A                                        |               |              |         |
| PHONE#                                                                                | 615-719-0199 | 253-278-4268   | 360-500-9011    | N/A                                        |               |              |         |
|  |              |                |                 | CITY OF FERNDAL                            |               |              |         |
|                                                                                       |              |                |                 | FERNDAL TERRACE INFRASTRUCTURE IMPROVEMENT |               |              |         |
|                                                                                       |              |                |                 | 2295 FERNDAL TERRACE, FERNDAL WA           |               |              |         |
|                                                                                       |              |                |                 | INCIDENT                                   | MAOP          |              |         |
|                                                                                       |              |                |                 | N/A                                        | N/A           |              |         |
|                                                                                       |              |                |                 | Gas Order                                  | Elect Order   |              |         |
|                                                                                       |              |                |                 | N/A                                        | 101172075     |              |         |
|                                                                                       |              |                |                 | SCALE                                      | PAGE          |              |         |
|                                                                                       |              |                |                 | AS NOTED                                   | 12/24         |              |         |



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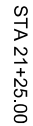


SITE PLAN - DEMOLITION (P24/P24A/P24B/P24C/P24D/P25)

SCALE: 1" = 20'

## CONSTRUCTION SET

| REAL ESTATE/EASEMENT          |              |                |                 | PERMIT                                      |           |              |                |
|-------------------------------|--------------|----------------|-----------------|---------------------------------------------|-----------|--------------|----------------|
| RW-133886                     |              |                |                 | FERNDALE                                    |           |              |                |
| 3                             | FUNCTION     | CONTACT        | PHONE NO        | DATE                                        | 3         | FUNCTION     | CONTACT        |
| 2                             | PROJECT MGR  | JANE MAJOR     | 360-791-2748    | 1/10/25                                     | 2         | PROJECT MGR  | JANE MAJOR     |
| 1                             | ENGR - POWER | JORDAN VELASCO | 360-296-3127    | 1/10/25                                     | 1         | ENGR - POWER | JORDAN VELASCO |
| REV#                          | DATE         | BY             | DESCRIPTION     | ENGR - GAS                                  | N/A       | N/A          | N/A            |
| COUNTY                        | WHATCOM      | Emer Sect      | Gas Wk Ctr      | POWER WK CTR                                | CSPFEPI   | DRAWN BY     | JOHN HATHAWAY  |
| 1/4 SEC                       | T40N R2E S19 | OP MAP         | N/A             | PLAT MAP                                    | N/A       | CHECKED BY   | 2603469        |
| U-MAP NO (POWER)              | A3902E075    | OH CKT MAP     | D3902E080       | UG CKT MAP                                  | R3902E075 | APPROVED BY  | JANE MAJOR     |
|                               |              |                |                 |                                             |           | FOREMAN #1   |                |
|                               |              |                |                 |                                             |           | FOREMAN #2   |                |
|                               |              |                |                 |                                             |           | MAPPING      |                |
| JOINT FACILITIES ARRANGEMENTS |              |                |                 |                                             |           |              |                |
| UTILITIES                     | ZIPPLY       | COMCAST        | ASTOUND         | N/A                                         | INCIDENT  | N/A          | MAOP           |
| CONTACT                       | MIKE MERRILL | KEN BRIDGES    | JEREMIAH STRAND | N/A                                         | Gas Order | N/A          | Elect Order    |
| PHONE#                        | 615-719-0199 | 253-278-4268   | 360-500-9011    | N/A                                         | SCALE     | AS NOTED     | PAGE           |
| PUGET SOUND ENERGY            |              |                |                 | CITY OF FERNDALE                            |           |              |                |
|                               |              |                |                 | FERNDALE TERRACE INFRASTRUCTURE IMPROVEMENT |           |              |                |
|                               |              |                |                 | 2295 FERNDALE TERRACE, FERNDALE WA          |           |              |                |
|                               |              |                |                 | 101172075                                   |           |              |                |
|                               |              |                |                 | 13/24                                       |           |              |                |



MATCHLINE SEE PAGE 6 / 10

SCALE: 1" = 20'

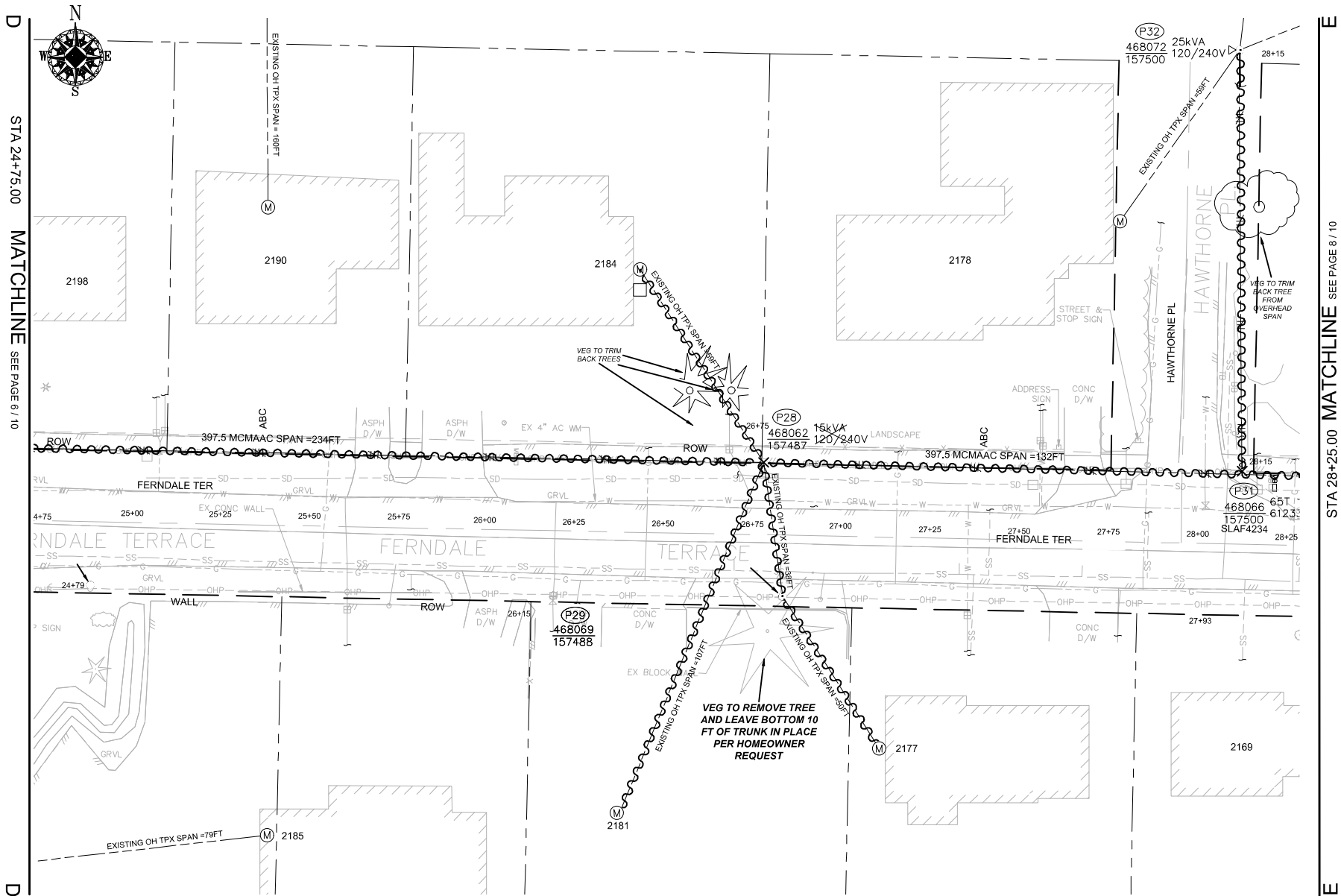
**NOTE: OPERATE AS NORMAL OPEN (WNØ)**

| SITE | POLE DATA     |        |       |      |                        |
|------|---------------|--------|-------|------|------------------------|
|      | GRID #        | HEIGHT | CLASS | YEAR | REMARKS / LOCATION REF |
| P24B | 468090-157453 | 45FT   | 2     |      |                        |

| LOCATION                 |      | PRI | SEC | WIRE SIZE & TYPE | QUANTITY | LENGTH (FT<br>PER<br>CONDUCTOR) |     | REMARKS              |
|--------------------------|------|-----|-----|------------------|----------|---------------------------------|-----|----------------------|
| FROM                     | TO   |     |     |                  |          |                                 |     |                      |
| P24                      | P24A | XX  |     | #2 PRI & NEUT    | 3        | 114                             | 342 | AC PHASES            |
| P24A                     | P24B | XX  |     | #2 PRI & NEUT    | 2        | 147                             | 294 | C PHASE              |
| P24B                     | P24C | XX  |     | #2 PRI & NEUT    | 2        | 177                             | 354 | C PHASE              |
| P24B                     | P24E | XX  |     | #2 PRI & NEUT    | 2        | 124                             | 248 | C PHASE              |
| TOTAL FEET #2 PRI & NEUT |      |     |     |                  |          |                                 | 896 | ACTUAL _____ INSTALL |

## CONSTRUCTION SET

|                                                                                       |  |              |  |                                            |  |                  |  |
|---------------------------------------------------------------------------------------|--|--------------|--|--------------------------------------------|--|------------------|--|
|                                                                                       |  |              |  | REAL ESTATE/LEASEMENT                      |  | PERMIT           |  |
|                                                                                       |  |              |  | RW-133686                                  |  | FERDALE          |  |
| 3                                                                                     |  |              |  | FUNCTION                                   |  | CONTACT          |  |
| 2                                                                                     |  |              |  | PROJECT MAJOR                              |  | PHONE NO         |  |
| 1                                                                                     |  |              |  | ENGR - POWER                               |  | JORDAN VELASCO   |  |
| REV#                                                                                  |  |              |  | DATE                                       |  | BY               |  |
| DESCRIPTION                                                                           |  |              |  | ENGR - GAS                                 |  | N/A              |  |
| COUNTY                                                                                |  |              |  | DRAWN BY                                   |  | JOHN HATHAWAY    |  |
| WHATCOM                                                                               |  |              |  | CHECKED BY                                 |  | 360-941-2007     |  |
| 1/4 SEC                                                                               |  |              |  | APPROVED BY                                |  | JANE MAJOR       |  |
| T40N R2E S19                                                                          |  |              |  | FOREMAN #1                                 |  | 360-791-2748     |  |
| U-MAP NO (POWER)                                                                      |  |              |  | FOREMAN #2                                 |  |                  |  |
| A3902E075                                                                             |  |              |  | MAPPING                                    |  |                  |  |
| JOINT FACILITIES ARRANGEMENTS                                                         |  |              |  |                                            |  |                  |  |
| UTILITIES                                                                             |  | ZEPHY        |  | COMCAST                                    |  | ASTOUND          |  |
| CONTACT                                                                               |  | MIKE MERRILL |  | KEN BRIDGES                                |  | JEREMIAH STRAND  |  |
| PHONE#                                                                                |  | 615-719-0199 |  | 253-278-4288                               |  | 360-500-9011     |  |
|  |  |              |  | CITY OF FERDALE                            |  |                  |  |
|                                                                                       |  |              |  | FERDALE TERRACE INFRASTRUCTURE IMPROVEMENT |  |                  |  |
|                                                                                       |  |              |  | 2295 FERDALE TERRACE, FERDALE WA           |  |                  |  |
|                                                                                       |  |              |  | INCIDENT N/A                               |  | MAOP N/A         |  |
|                                                                                       |  |              |  | Gas Order N/A                              |  | Effect Order N/A |  |
|                                                                                       |  |              |  | SCALE                                      |  | PAGE             |  |
|                                                                                       |  |              |  | AS NOTED                                   |  | 14/24            |  |



SITE PLAN - DEMOLITION (P28/P29/P31/P32)

SCALE: 1" = 20'

| POLE RETIREMENT TABLE |               |        |       |      |                          |                          | TEMP TRANSFERS           |                          |                          | ST. LIGHT TRANSFERS                 |                          |           |
|-----------------------|---------------|--------|-------|------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|-----------|
| SITE #                | POLE DATA     |        |       |      | POLE                     |                          | TEL                      | TV                       | FIBER                    | TRAN                                | RMVD                     | ID NUMBER |
|                       | GRID #        | HEIGHT | CLASS | YEAR | TOPPED                   | RMVD                     |                          |                          |                          |                                     |                          |           |
| P28                   | 468062-157487 | 45FT   | 3     | 2012 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |                          |           |
| P31                   | 468066-157500 | 45FT   | 3     | 2002 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | SLAF4234  |

| WIRE REMOVAL TABLE             |          |                  |          |                           |              |                   |
|--------------------------------|----------|------------------|----------|---------------------------|--------------|-------------------|
| LOCATION                       |          | WIRE SIZE & TYPE | QUANTITY | LENGTH (FT PER CONDUCTOR) | TOTAL LENGTH | REMARKS           |
| FROM                           | TO       |                  |          |                           |              |                   |
| P25                            | P28      | 397.5 MCM ACSR   | 3        | 234                       | 702          | A/B/C PHASES      |
| P25                            | P28      | 4/0 ACSR NEUT    | 1        | 234                       | 234          |                   |
| P28                            | S/A 2181 | EXISTING OH TPX  | 1        | 107                       | 107          |                   |
| P28                            | S/A 2184 | EXISTING OH TPX  | 1        | 59                        | 59           |                   |
| P28                            | P29      | EXISTING OH TPX  | 1        | 38                        | 38           |                   |
| P29                            | S/A 2177 | EXISTING OH TPX  | 1        | 50                        | 50           |                   |
| P28                            | P31      | 397.5 MCM ACSR   | 3        | 132                       | 396          | A/B/C PHASES      |
| P28                            | P31      | 4/0 ACSR NEUT    | 1        | 132                       | 132          |                   |
| P31                            | P32      | 397.5 MCM ACSR   | 1        | 119                       | 119          | C PHASE           |
| P31                            | P32      | 4/0 ACSR NEUT    | 1        | 119                       | 119          |                   |
| TOTAL FEET EXISTING OH TPX     |          |                  |          |                           | 254          | ACTUAL____REMOVED |
| TOTAL FEET 4/0 ACSR PRI & NEUT |          |                  |          |                           | 485          | ACTUAL____REMOVED |
| TOTAL FEET 397.5 MCM ACSR      |          |                  |          |                           | 1217         | ACTUAL____REMOVED |

TRANSFORMER REMOVAL

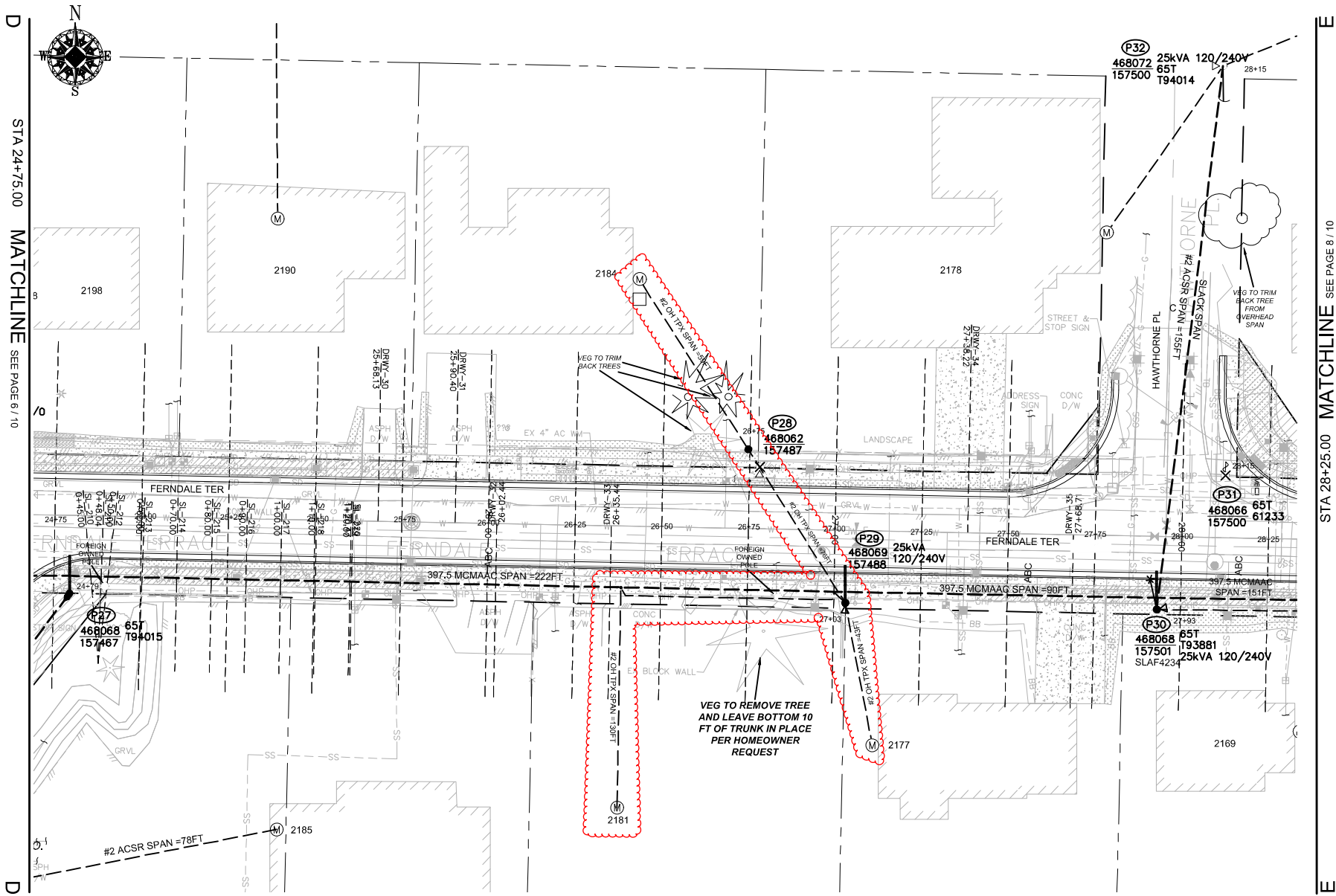
Installed at site: P28  
Grid Number: 468062-157487  
kVA Rating: 25kVA

Foreman to redline the following information

Company ID#: \_\_\_\_\_  
Primary phase connected to: \_\_\_\_\_  
Tested Secondary Voltage 1

CONSTRUCTION SET

|                                                                                       |              |              |                |                                                                                   |                |              |             |     |  |     |  |
|---------------------------------------------------------------------------------------|--------------|--------------|----------------|-----------------------------------------------------------------------------------|----------------|--------------|-------------|-----|--|-----|--|
|                                                                                       |              |              |                | REAL ESTATE/EASEMENT                                                              |                | PERMIT       |             |     |  |     |  |
|                                                                                       |              |              |                | RW-133686                                                                         |                | FERNDALE     |             |     |  |     |  |
| 3                                                                                     |              |              |                | FUNCTION                                                                          | CONTACT        | PHONE NO     | DATE        |     |  |     |  |
| 2                                                                                     |              |              |                | PROJECT MGR                                                                       | JANE MAJOR     | 360-791-2748 | 1/10/25     |     |  |     |  |
| 1                                                                                     |              |              |                | ENGR - POWER                                                                      | JORDAN VELASCO | 360-296-3127 | 1/10/25     |     |  |     |  |
| REV#                                                                                  | DATE         | BY           | DESCRIPTION    |                                                                                   |                |              |             |     |  |     |  |
| COUNTY                                                                                | Emer Sect    | Gas Wk Ctr   | POWER WK CTR   |                                                                                   |                |              |             |     |  |     |  |
| WHATCOM                                                                               | N/A          | N/A          | CSPEFI         |                                                                                   |                |              |             |     |  |     |  |
| 1/4 SEC                                                                               | OP MAP       |              | PLAT MAP       |                                                                                   |                |              |             |     |  |     |  |
| T40N R2E S19                                                                          | N/A          | N/A          | N/A            |                                                                                   |                |              |             |     |  |     |  |
| U-MAP NO (POWER)                                                                      | OH CKT MAP   | UG CKT MAP   | CIRCUIT NO     |                                                                                   |                |              |             |     |  |     |  |
| A3902E075                                                                             | D3902E080    | R3902E075    | VIS-23         |                                                                                   |                |              |             |     |  |     |  |
| JOINT FACILITIES ARRANGEMENTS                                                         |              |              |                |                                                                                   |                |              |             |     |  |     |  |
| UTILITIES                                                                             | ZPLY         | COMCAST      | ASTOUND        | N/A                                                                               |                |              |             |     |  |     |  |
| CONTACT                                                                               | MIKE MERRILL | KEN BRIDGES  | JEREMAH STRAND | N/A                                                                               |                |              |             |     |  |     |  |
| PHONE#                                                                                | 615-719-0199 | 253-278-4268 | 360-500-9011   | N/A                                                                               |                |              |             |     |  |     |  |
|  |              |              |                | CITY OF FERNDALE                                                                  |                | INCIDENT     |             | MAP |  |     |  |
|                                                                                       |              |              |                | FERNDALE TERRACE INFRASTRUCTURE IMPROVEMENT<br>2295 FERNDALE TERRACE, FERNDALE WA |                | Gas Order    | Elect Order | N/A |  | N/A |  |
|                                                                                       |              |              |                |                                                                                   |                | 101172075    | 15122075    |     |  |     |  |
|                                                                                       |              |              |                |                                                                                   |                | SCALE        | PAGE        |     |  |     |  |
|                                                                                       |              |              |                | AS NOTED                                                                          | 15/24          |              |             |     |  |     |  |



SITE PLAN - NEW FACILITIES (P27-P32)  
SCALE: 1" = 20'

WIRE STRINGING TABLE

| LOCATION                 |          | PRI | SEC | WIRE SIZE & TYPE | QUANTITY | LENGTH (FT PER CONDUCTOR) | REMARKS                |
|--------------------------|----------|-----|-----|------------------|----------|---------------------------|------------------------|
| FROM                     | TO       |     |     |                  |          |                           |                        |
| P27                      | P29      | XX  |     | 397.5 MCMAAC     | 3        | 134                       | A/B/C PHASES           |
| P27                      | P29      | XX  |     | 4/0ACSR NEUT     | 1        | 134                       |                        |
| P28                      | P29      | XX  |     | #2 OH TPX        | 1        | 76                        |                        |
| P29                      | P30      | XX  |     | 397.5 MCMAAC     | 3        | 180                       | A/B/C PHASES           |
| P29                      | P30      | XX  |     | 4/0ACSR NEUT     | 1        | 180                       |                        |
| P28                      | S/A 2184 | XX  |     | #2 OH TPX        | 1        | 59                        |                        |
| P29                      | S/A 2177 | XX  |     | #2 OH TPX        | 1        | 43                        |                        |
| P30                      | S/A 2169 | XX  |     | #2 OH TPX        | 1        | 111                       |                        |
| P29                      | S/A 2181 | XX  |     | #2 OH TPX        | 1        | 130                       |                        |
| P30                      | P32      | XX  |     | #2 PRI & NEUT    | 2        | 155                       |                        |
| TOTAL FEET 397.5 MCMAAC  |          |     |     |                  |          | 942                       | ACTUAL _____ INSTALLED |
| TOTAL FEET #2 OH TPX     |          |     |     |                  |          | 419                       | ACTUAL _____ INSTALLED |
| TOTAL FEET 4/0 NEUT      |          |     |     |                  |          | 314                       | ACTUAL _____ INSTALLED |
| TOTAL FEET #2 PRI & NEUT |          |     |     |                  |          | 310                       | ACTUAL _____ INSTALLED |

POLE TABLE (NEW)

| SITE | POLE DATA     |        |       |      |                        |
|------|---------------|--------|-------|------|------------------------|
|      | GRID #        | HEIGHT | CLASS | YEAR | REMARKS / LOCATION REF |
| P27  | 468068-157467 | 45FT   | H2    |      |                        |
| P28  | 468062-157487 | 35FT   | 3     |      |                        |
| P29  | 468069-157488 | 45FT   | H2    |      |                        |
| P30  | 468068-157501 | 45FT   | H2    |      |                        |

TRANSFORMER INSTALLATION

Installed at site: **P29**  
Grid Number: **468069-157488**  
kVA Rating: **25kVA**  
Material ID#: **6211250**

Foreman to redline the following information

Company ID#: \_\_\_\_\_  
Primary phase connected to: \_\_\_\_\_  
Tested Secondary Voltage: **1**

TRANSFORMER INSTALLATION

Installed at site: **P30**  
Grid Number: **468068-157501**  
kVA Rating: **25kVA**  
Material ID#: **6211250**

Foreman to redline the following information

Company ID#: \_\_\_\_\_  
Primary phase connected to: \_\_\_\_\_  
Tested Secondary Voltage: **1**

SITE SPECIFIC NOTES (CONTINUED)

P27: NEW POLE 50FT CLH2 GRID #468068-157467 (STA 24+79.00, L/A = 0°)  
WO# 101172075  
INSTALL (NEW) 50FT CLH2 (PD50H2) AS PER STD 6010.1000  
NOTE: INSTALL TREATED POLE WRAP (MID# 9997789)  
NOTE: DEEP SET POLE 2'  
INSTALL 3-PHASE SGL WINGARM 397 (TASW313) AS PER STD 6033.4012  
INSTALL RISER, 4" COND SYS STANDOFF (RIS4CSS) AS PER STD 6042.1000  
INSTALL 12KV SINGLE-PHASE TERM, LI (TSU1L1) AS PER STD 6043.1000  
INSTALL SWITCH #T94015 FUSE @ 65T; TAP B-PHASE  
NOTE: SET AS NORMAL OPEN  
INSTALL CABLE TAG #B@EIE774

(UNIT 2-7 X1)

(UNIT 2-45 X1) (UNIT 2-57 X2)

P28: EXISTING 2012 45FT CL3 GRID #468062-157487 (STA 26+75.00, L/A = N/A)  
WO# 101172075  
INSTALL (REPLACE) 35FT CL3 (PD353) AS PER STD 6010.1000  
WO# 108159355  
REMOVE EXISTING 15kVA 120/240V OH XFMR  
REMOVE POLE STUB AFTER COMMUNICATION TRANSFERS HAVE BEEN COMPLETED  
ATTACHED UTILITIES: COMCAST & ASTOUND  
WO# 593260468  
TRANSFER, REPLACE, SHORTEN OR EXTEND EXISTING TPX TO S/A 2184 FERNDAL TERR.

(UNIT 2-23 X1)

UNIT 2-129 X1)

P29: NEW POLE 45FT CLH2 GRID #468069-157488 (STA 27+03.00, L/A = N/A)  
WO# 101172075  
INSTALL (NEW) 45FT CLH2 (PD45H2) AS PER STD 6010.1000  
NOTE: EXISTING ZIPLY OWNED POLE, ZIPLY TO REMOVE  
INSTALL 3-PHASE SGL WINGARM 397 (TASW313) AS PER STD 6033.4012  
INSTALL 25kVA 7-120/240 OH XFMR (TRFNXF) FUSE @ 10T AS PER STD 6025.1000  
WO# 593260468  
TRANSFER, REPLACE, SHORTEN OR EXTEND EXISTING TPX TO S/A 2181 FERNDAL TERR.

(UNIT 2-7 X1)

(UNIT 2-24 X1)

(UNIT 3-3 X1)

P29 TO P28:  
WO# 101172075  
INSTALL #2 OH SEC TPX APPROX. 76FT (ACTUAL: \_\_\_\_\_ FT)

(UNIT 2-20A X1)

P30: NEW POLE 50FT CLH2 GRID #468068-157501 (STA 27+93.00, L/A = 0°)  
WO# 101172075  
INSTALL (NEW) 50FT CLH2 (PD50H2) AS PER STD 6010.1000  
NOTE: INSTALL TREATED POLE WRAP (MID# 9997789)  
NOTE: DEEP SET POLE 2'  
INSTALL 3-PHASE SGL WINGARM 397 (TASW313) AS PER STD 6033.4012  
INSTALL 1-PHASE 12KV SINGLE ARM, DEADEND (FR13RDE) (NORTH) AS PER STD 6031.5060  
NOTE: SLACK SPAN  
INSTALL 25kVA 7-120/240 OH XFMR (TRFNXF) FUSE @ 10T AS PER STD 6025.1000  
WO# 593260468  
TRANSFER, REPLACE, SHORTEN OR EXTEND EXISTING TPX TO S/A 2169 & 2177 FERNDAL TERR.  
NOTE: CONVERT EXISTING OH SVC TO BRIDLE SERVICE TO S/A 2169 & 2177

(UNIT 2-7 X1)

(UNIT 2-24 X1)

(UNIT 3x3 X2) (UNIT 3-5 X4)

P31: EXISTING 2002 45FT CL3 GRID #468066-157500 (STA 28+15.00, L/A = N/A°)  
WO# 593260468  
INSTALL (TRANSFER) EXISTING STREET LIGHT (SLAF 4234) TO P30  
WO# 108159355  
REMOVE POLE STUB AFTER COMMUNICATION TRANSFERS HAVE BEEN COMPLETED  
ATTACHED UTILITIES: COMCAST, ZIPLY, AND ASTOUND

(UNIT 2-302 X1)

(UNIT 2-129 X1)

P32: EXISTING 2002 45FT CL3 GRID #468072-157500 (STA 28+15.00, L/A = N/A°)  
WO# 101172075  
INSTALL 1-PHASE DE #2 (DE2115) AND INSTALL COVERED JUMPER AS PER STD 6031.1040  
NOTE: SLACK SPAN

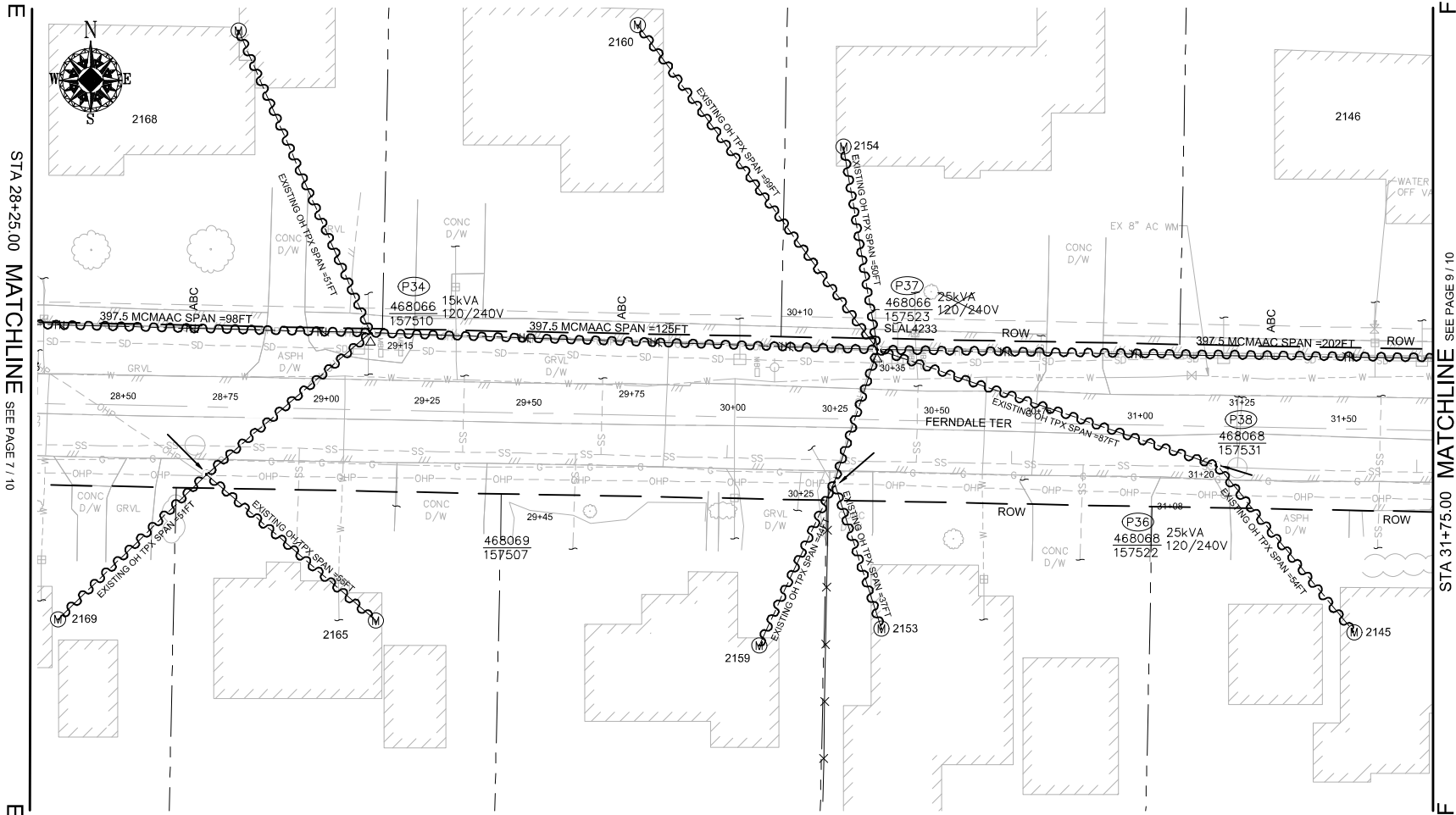
(UNIT 2-15 X155FT)

NORTH SIDE P30 TO P32  
WO# 101172075  
INSTALL 1-PHASE #2 APPROX. 155FT (ACTUAL = \_\_\_\_\_ FT)  
NOTE: SLACK SPAN

CONSTRUCTION SET

| REAL ESTATE/EASEMENT                       |              |                |                 | PERMIT      |               |              |         |
|--------------------------------------------|--------------|----------------|-----------------|-------------|---------------|--------------|---------|
| RW-133686                                  |              |                |                 | FERNDAL     |               |              |         |
| 3                                          | FUNCTION     | CONTACT        | PHONE NO        | DATE        |               |              |         |
| 2                                          | PROJECT MGR  | JANE MAJOR     | 360-791-2748    | 1/10/25     |               |              |         |
| 1                                          | ENGR - POWER | JORDAN VELASCO | 360-296-3127    | 1/10/25     |               |              |         |
| REV#                                       | DATE         | BY             | DESCRIPTION     | ENGR - GAS  | N/A           | N/A          | N/A     |
| COUNTY                                     | Emer Sect    | Gas Wk Ctr     | POWER WK CTR    | DRAWN BY    | JOHN HATHAWAY | 360-201-1340 | 1/10/25 |
| WHATCOM                                    | N/A          | N/A            | CSPFEPI         | CHECKED BY  | 360-941-2007  | 1/10/25      |         |
| 1/4 SEC                                    | OP MAP       | N/A            | PLAT MAP        | APPROVED BY | JANE MAJOR    | 360-791-2748 | 1/10/25 |
| T40N R2E S19                               | N/A          | N/A            | N/A             | FOREMAN #1  |               |              |         |
| U-MAP NO (POWER)                           | OH CKT MAP   | UG CKT MAP     | CIRCUIT NO      | FOREMAN #2  |               |              |         |
| A3902E075                                  | D3902E080    | R3902E075      | VIS-23          | MAPPING     |               |              |         |
| JOINT FACILITIES ARRANGEMENTS              |              |                |                 |             |               |              |         |
| UTILITIES                                  | ZIPLY        | COMCAST        | ASTOUND         | N/A         |               |              |         |
| CONTACT                                    | MIKE MERRILL | KEN BRIDGES    | JEREMIAH STRAND | N/A         |               |              |         |
| PHONE#                                     | 615-719-0199 | 253-278-4268   | 360-500-0011    | N/A         |               |              |         |
| CITY OF FERNDAL                            |              |                |                 | INCIDENT    | MAOP          |              |         |
| FERNDAL TERRACE INFRASTRUCTURE IMPROVEMENT |              |                |                 | N/A         | N/A           |              |         |
| 2295 FERNDAL TERRACE, FERNDAL WA           |              |                |                 | Gas Order   | Elect Order   |              |         |
|                                            |              |                |                 | N/A         | 101172075     |              |         |
|                                            |              |                |                 | SCALE       | PAGE          |              |         |
|                                            |              |                |                 | AS NOTED    | 16/24         |              |         |





SITE PLAN - DEMOLITION (P33/P34/P36/P37/P38)  
SCALE: 1" = 20'

| POLE RETIREMENT TABLE |               |        |       |      |                          |                          | TEMP TRANSFERS           |                          |                                     | ST. LIGHT TRANSFERS      |      |           |
|-----------------------|---------------|--------|-------|------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|------|-----------|
| SITE #                | POLE DATA     |        |       |      | POLE                     |                          | TEL                      | TV                       | FIBER                               | TRAN                     | RMVD | ID NUMBER |
|                       | GRID #        | HEIGHT | CLASS | YEAR | TOPPED                   | RMVD                     |                          |                          |                                     |                          |      |           |
| P34                   | 468066-157510 | 35FT   | 3     | 2003 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |      |           |
| P37                   | 468066-157523 | 45FT   | 3     | 2012 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |      | SLAL4233  |

TRANSFORMER REMOVAL

Installed at site: P34  
Grid Number: 468066-157510  
kVA Rating: 15kVA

Foreman to redefine the following information

Company ID#: \_\_\_\_\_  
Primary phase connected to: \_\_\_\_\_  
Tested Secondary Voltage 1

TRANSFORMER REMOVAL

Installed at site: P37  
Grid Number: 468066-157523  
kVA Rating: 25kVA

Foreman to redefine the following information

Company ID#: \_\_\_\_\_  
Primary phase connected to: \_\_\_\_\_  
Tested Secondary Voltage 1

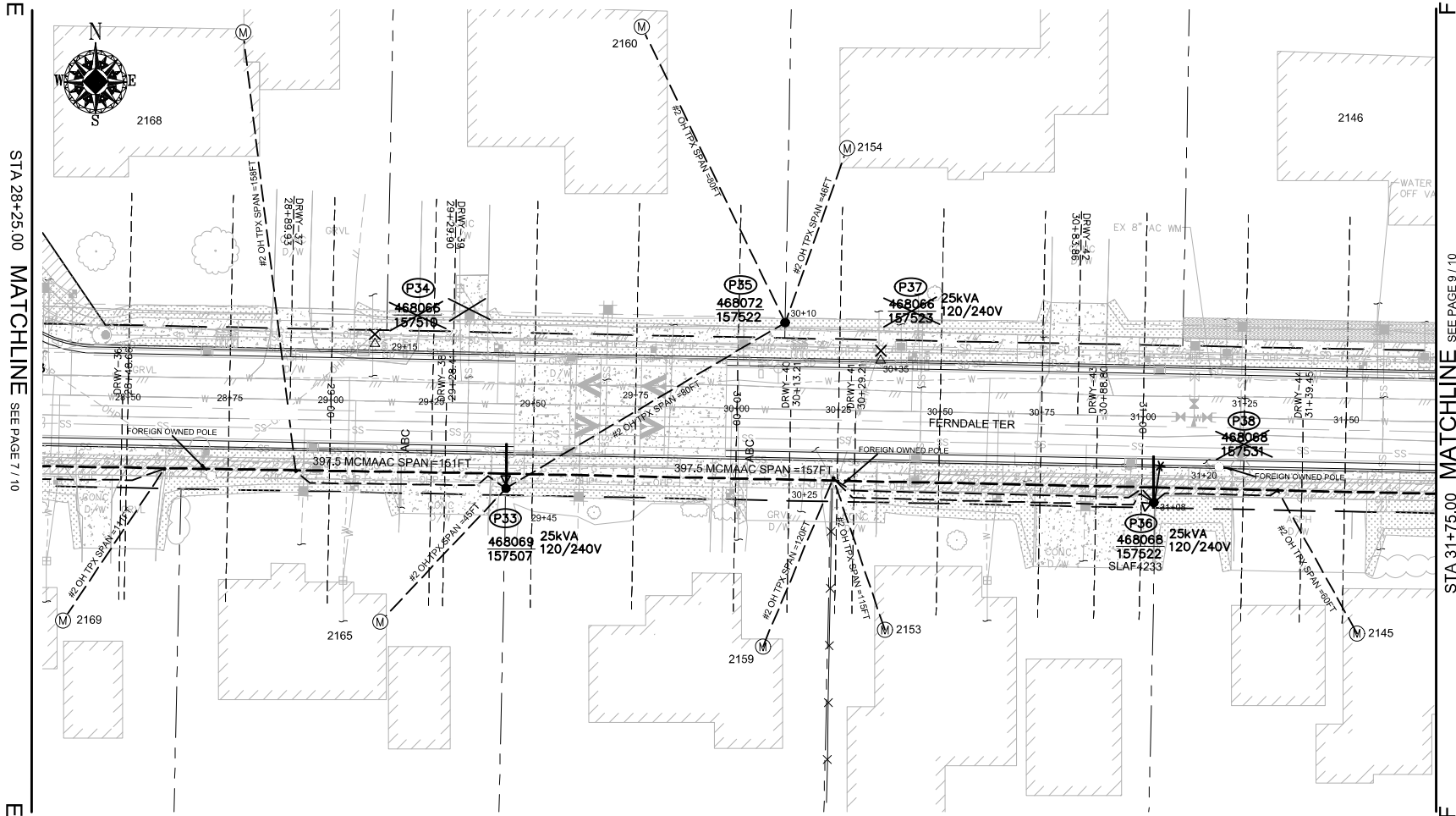
WIRE REMOVAL TABLE

| LOCATION                       |          | WIRE SIZE & TYPE | QUANTITY | LENGTH (FT PER CONDUCTOR) | TOTAL LENGTH | REMARKS           |
|--------------------------------|----------|------------------|----------|---------------------------|--------------|-------------------|
| FROM                           | TO       |                  |          |                           |              |                   |
| P31                            | P34      | 397.5 MCM ACSR   | 3        | 98                        | 294          | A/B/C PHASES      |
| P31                            | P34      | 4/0 ACSR NEUT    | 1        | 98                        | 98           |                   |
| P33                            | P34      | EXISTING OH TPX  | 1        | 53                        | 53           |                   |
| P33                            | S/A 2165 | EXISTING OH TPX  | 1        | 55                        | 55           |                   |
| P33                            | S/A 2169 | EXISTING OH TPX  | 1        | 51                        | 51           |                   |
| P34                            | S/A 2168 | EXISTING OH TPX  | 1        | 51                        | 51           |                   |
| P34                            | P37      | 397.5 MCM ACSR   | 3        | 125                       | 375          | A/B/C PHASES      |
| P34                            | P37      | 4/0 ACSR NEUT    | 1        | 125                       | 125          |                   |
| P37                            | S/A 2154 | EXISTING OH TPX  | 1        | 50                        | 50           |                   |
| P37                            | S/A 2160 | EXISTING OH TPX  | 1        | 99                        | 99           |                   |
| P36                            | P37      | EXISTING OH TPX  | 1        | 37                        | 37           |                   |
| P36                            | S/A 2153 | EXISTING OH TPX  | 1        | 36                        | 36           |                   |
| P36                            | S/A 2159 | EXISTING OH TPX  | 1        | 41                        | 41           |                   |
| P37                            | P38      | EXISTING OH TPX  | 1        | 87                        | 87           |                   |
| P38                            | S/A 2145 | EXISTING OH TPX  | 1        | 54                        | 54           |                   |
| TOTAL FEET EXISTING OH TPX     |          |                  |          |                           | 614          | ACTUAL____REMOVED |
| TOTAL FEET 4/0 ACSR PRI & NEUT |          |                  |          |                           | 223          | ACTUAL____REMOVED |
| TOTAL FEET 397.5 MCM ACSR      |          |                  |          |                           | 669          | ACTUAL____REMOVED |

CONSTRUCTION SET

| REAL ESTATE/EASEMENT                        |              |            |             | PERMIT       |                |
|---------------------------------------------|--------------|------------|-------------|--------------|----------------|
| RW-133886                                   |              |            |             | FERNDALE     |                |
| 3                                           |              |            |             | FUNCTION     | CONTACT        |
| 2                                           |              |            |             | PROJECT MGR  | JANE MAJOR     |
| 1                                           |              |            |             | ENGR - POWER | JORDAN VELASCO |
| REV#                                        | DATE         | BY         | DESCRIPTION | ENGR - GAS   | N/A            |
| COUNTY                                      | WHATCOM      | Emer Sect  | Gas Wk Ctr  | POWER WK CTR | CSPFEPI        |
| 1/4 SEC                                     | T40N R2E S19 | OP MAP     | N/A         | PLAT MAP     | N/A            |
| U-MAP NO (POWER)                            | A3902E075    | OH CKT MAP | D3902E080   | UG CKT MAP   | R3902E075      |
| JOINT FACILITIES ARRANGEMENTS               |              |            |             | ASTOUND      | N/A            |
| UTILITIES                                   |              |            |             | COMCAST      | KEN BRIDGES    |
| CONTACT                                     |              |            |             | MIKE MERRILL | 253-278-4268   |
| PHONE#                                      |              |            |             | 615-719-0199 | 360-500-9011   |
| INCIDENT                                    |              |            |             | N/A          | MAOP           |
| CITY OF FERNDALE                            |              |            |             | N/A          | N/A            |
| FERNDALE TERRACE INFRASTRUCTURE IMPROVEMENT |              |            |             | Gas Order    | Elect Order    |
| 2295 FERNDALE TERRACE, FERNDALE WA          |              |            |             | N/A          | 101172075      |
| SCALE                                       |              |            |             | AS NOTED     | PAGE           |
|                                             |              |            |             |              | 17/24          |

E STA 28+25.00 MATCHLINE SEE PAGE 7 / 10



F STA 31+75.00 MATCHLINE SEE PAGE 9 / 10

SITE SPECIFIC NOTES (CONTINUED)

**P33: NEW POLE 50FT CLH2 GRID #468069-157507 (STA 29+45.00, L/A = N/A)**  
WO# 101172075  
INSTALL (NEW) 50FT CLH2 (PD50H2) AS PER STD 6010.1000  
NOTE: INSTALL TREATED POLE WRAP (MID# 9997789)  
NOTE: DEEP SET POLE 2'  
NOTE: EXISTING POLE ZIPLY OWNED POLE ZIPLY TO REMOVE  
INSTALL 3-PHASE SGL WINGARM 397 (TASW313) AS PER STD 6033.4012  
INSTALL 25kVA 7-120/240 OH XFMR (TRFNXF) FUSE @ 10T AS PER STD 6025.1000  
WO# 593260468  
TRANSFER, REPLACE, SHORTEN OR EXTEND EXISTING TPX TO S/A 2165 & 2168 FERDALE TERR.  
NOTE: CONVERT EXISTING OH SVC TO BRIDLE SERVICE TO S/A 2165 & 2168

(UNIT 2-7 X1)

(UNIT 2-24 X1)

(UNIT 3x3 X2) (UNIT 3-5 X4)

**P34: EXISTING 2003 35FT CL3 GRID# 468066-157510 (STA 29+15.00, L/A = 0°)**  
WO# 108159355  
REMOVE EXISTING 15KVA 120/240 OH XFMR (TRFRXF) FUSE @ 10T AS PER STD 6025.1000  
REMOVE POLE STUB AFTER COMMUNICATION TRANSFERS HAVE BEEN COMPLETED  
ATTACHED UTILITIES: COMCAST AND ASTOUND

(UNIT 2-129 X1)

**P35: NEW POLE 35FT CL3 GRID# 468072-157522 (STA 30+10.00, L/A = N/A)**  
WO# 101172075  
INSTALL (NEW) 35FT CL3 (PD353) AS PER STD 6010.1000  
WO# 593260468  
TRANSFER, REPLACE, SHORTEN OR EXTEND EXISTING TPX TO S/A 2154 & 2160 FERDALE TERR.

(UNIT 2-7 X1)

(UNIT 3-3 X2)

**P36: NEW POLE 45FT CLH2 GRID# 468068-157522 (STA 31+08.00, L/A = N/A)**  
WO# 101172075  
INSTALL (NEW) 45FT CLH2 (PD45H2) AS PER STD 6010.1000  
NOTE: EXISTING POLE ZIPLY OWNED POLE ZIPLY TO REMOVE  
INSTALL 3-PHASE SGL WINGARM 397 (TASW313) AS PER STD 6033.4012  
INSTALL 25kVA 7-120/240 OH XFMR (TRFNXF) FUSE @ 10T AS PER STD 6025.1000  
WO# 593260468  
TRANSFER, REPLACE, SHORTEN OR EXTEND EXISTING TPX TO S/A 2145, 2153 & 2159 FERDALE TERR.  
NOTE: CONVERT EXISTING OH SVC TO BRIDLE SERVICE TO S/A 2145, 2153 & 2159  
INSTALL (TRANSFER) EXISTING STREET LIGHT (SLAF 4233) FROM P37

(UNIT 2-7 X1)

(UNIT 2-24 X1)

(UNIT 3x3 X3) (UNIT 3-5 X6)

(UNIT 2-302 X1)

**P33 TO P35:**  
WO# 101172075  
INSTALL #2 OH SEC TPX APPROX. 80FT (ACTUAL: \_\_\_\_ FT)

(UNIT 2-20A X1)

**P37: EXISTING 2012 45FT CL3 GRID# 468066-157523 (STA 30+35.00, L/A = 0°)**  
WO# 108159355  
REMOVE EXISTING 25KVA 120/240 OH XFMR (TRFRXF) FUSE @ 10T AS PER STD 6025.1000  
REMOVE POLE STUB AFTER COMMUNICATION TRANSFERS HAVE BEEN COMPLETED  
ATTACHED UTILITIES: COMCAST AND ASTOUND

(UNIT 2-129 X1)

**P37 TO P38 TO S/A 2145 METER:**  
WO# 108159355  
REMOVE 1-SPAN #2 OH SEC. TPX 137FT (ACTUAL: \_\_\_\_ FT) TO S/A 2145 FERDALE TERR.  
EXISTING ZIPLY OWNED POLE, ZIPLY TO REMOVE

(UNIT 2-20A X1)

WIRE STRINGING TABLE

| LOCATION                |          | PRI | SEC | WIRE SIZE & TYPE | QUANTITY | LENGTH (FT PER CONDUCTOR) | REMARKS               |
|-------------------------|----------|-----|-----|------------------|----------|---------------------------|-----------------------|
| FROM                    | TO       |     |     |                  |          |                           |                       |
| P30                     | P33      | XX  |     | 397.5 MCMAAC     | 3        | 151                       | A/B/C PHASES          |
| P30                     | P33      | XX  |     | 4/0 ACSR NEUT    | 1        | 151                       |                       |
| P33                     | P36      | XX  |     | 397.5 MCMAAC     | 3        | 157                       | A/B/C PHASES          |
| P33                     | P36      | XX  |     | 4/0 ACSR NEUT    | 1        | 157                       |                       |
| P33                     | P35      |     | XX  | #2 OH TPX        | 1        | 80                        |                       |
| P36                     | P43      | XX  |     | 397.5 MCMAAC     | 3        | 163                       | A/B/C PHASES          |
| P36                     | P43      | XX  |     | 4/0 ACSR NEUT    | 1        | 163                       |                       |
| P33                     | S/A 2165 |     | XX  | #2 OH TPX        | 1        | 45                        |                       |
| P33                     | S/A 2168 |     | XX  | #2 OH TPX        | 1        | 158                       |                       |
| P35                     | S/A 2154 |     | XX  | #2 OH TPX        | 1        | 46                        |                       |
| P35                     | S/A 2160 |     | XX  | #2 OH TPX        | 1        | 80                        |                       |
| P36                     | S/A 2145 |     | XX  | #2 OH TPX        | 1        | 60                        |                       |
| P36                     | S/A 2153 |     | XX  | #2 OH TPX        | 1        | 115                       |                       |
| P36                     | S/A 2159 |     | XX  | #2 OH TPX        | 1        | 120                       |                       |
| TOTAL FEET 397.5 MCMAAC |          |     |     |                  |          | 1413                      | ACTUAL ____ INSTALLED |
| TOTAL FEET #2 OH TPX    |          |     |     |                  |          | 704                       | ACTUAL ____ INSTALLED |
| TOTAL FEET 4/0 NEUT     |          |     |     |                  |          | 471                       | ACTUAL ____ INSTALLED |

TRANSFORMER INSTALLATION

Installed at site: **P33**  
Grid Number: **468069-157507**  
kVA Rating: **25kVA**  
Material ID#: **6211250**

Foreman to redline the following information

Company ID#: \_\_\_\_\_  
Primary phase connected to: \_\_\_\_\_  
Tested Secondary Voltage \_\_\_\_\_ / \_\_\_\_\_

TRANSFORMER INSTALLATION

Installed at site: **P36**  
Grid Number: **468068-157522**  
kVA Rating: **25kVA**  
Material ID#: **6211250**

Foreman to redline the following information

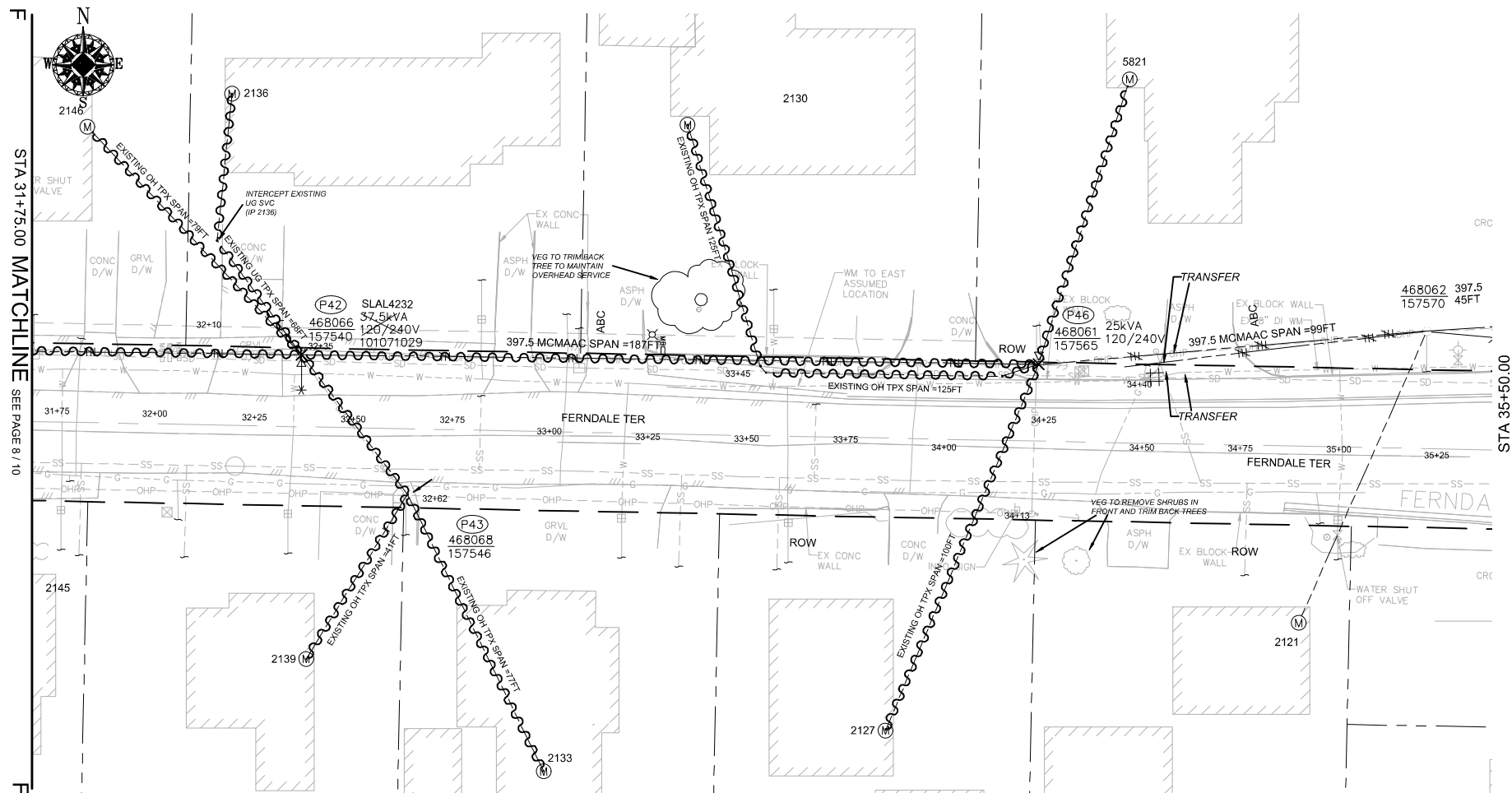
Company ID#: \_\_\_\_\_  
Primary phase connected to: \_\_\_\_\_  
Tested Secondary Voltage \_\_\_\_\_ / \_\_\_\_\_

POLE TABLE (NEW)

| SITE | POLE DATA     |        |       |      |                        |
|------|---------------|--------|-------|------|------------------------|
|      | GRID #        | HEIGHT | CLASS | YEAR | REMARKS / LOCATION REF |
| P33  | 468069-157507 | 45FT   | H2    |      |                        |
| P34  | 468066-157510 | 35FT   | 3     |      |                        |
| P35  | 468072-157522 | 35FT   | 3     |      |                        |
| P36  | 468068-157522 | 45FT   | H2    |      |                        |

| REAL ESTATE/EASEMENT                       |              |                |                 | PERMIT      |               |
|--------------------------------------------|--------------|----------------|-----------------|-------------|---------------|
| RW-133686                                  |              |                |                 | FERDALE     |               |
| 3                                          | FUNCTION     | CONTACT        | PHONE NO        | DATE        |               |
| 2                                          | PROJECT MGR  | JANE MAJOR     | 360-791-2748    | 1/10/25     |               |
| 1                                          | ENGR - POWER | JORDAN VELASCO | 360-296-3127    | 1/10/25     |               |
| REV#                                       | DATE         | BY             | DESCRIPTION     | ENGR - GAS  | N/A           |
| COUNTY                                     | Emer Sect    | Gas Wk Ctr     | POWER WK CTR    | DRAWN BY    | JOHN HATHAWAY |
| WHATCOM                                    | N/A          | N/A            | CSPFEP1         | CHECKED BY  | 360-201-1340  |
| 1/4 SEC                                    | OP MAP       | PLAT MAP       |                 | APPROVED BY | JANE MAJOR    |
| T40N R2E S19                               | N/A          | N/A            |                 | FOREMAN #1  | 360-941-2007  |
| U-MAP NO (POWER)                           | OH CKT MAP   | UG CKT MAP     | CIRCUIT NO      | FOREMAN #2  | 360-791-2748  |
| A3902E075                                  | D3902E080    | R3902E075      | VIS-23          | MAPPING     |               |
| JOINT FACILITIES ARRANGEMENTS              |              |                |                 |             |               |
| UTILITIES                                  | ZIPLY        | COMCAST        | ASTOUND         | N/A         |               |
| CONTACT                                    | MIKE MERRILL | KEN BRIDGES    | JEREMIAH STRAND | N/A         |               |
| PHONE#                                     | 615-719-0199 | 253-278-4268   | 360-500-9011    | N/A         |               |
| CITY OF FERDALE                            |              |                |                 | INCIDENT    | MAOP          |
| FERDALE TERRACE INFRASTRUCTURE IMPROVEMENT |              |                |                 | N/A         | N/A           |
| 2295 FERDALE TERRACE, FERDALE WA           |              |                |                 | Gas Order   | Elect Order   |
|                                            |              |                |                 | N/A         | 101172075     |
|                                            |              |                |                 | SCALE       | PAGE          |
|                                            |              |                |                 | AS NOTED    | 18/24         |

101172075

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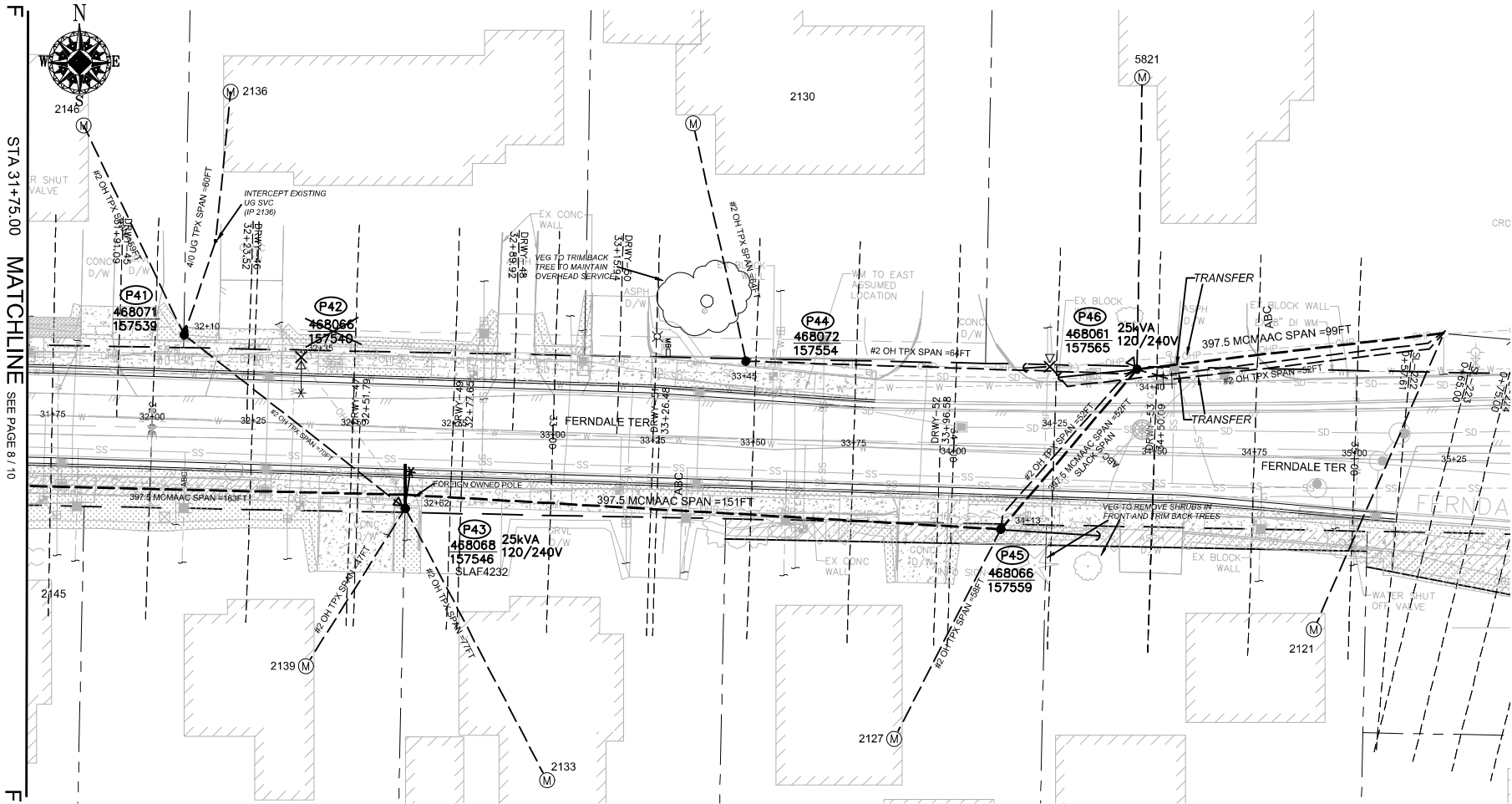
| LOCATION                       |             | WIRE SIZE & TYPE | QUANTITY | LENGTH (FT<br>PER<br>CONDUCTOR | TOTAL<br>LENGTH | REMARKS           |
|--------------------------------|-------------|------------------|----------|--------------------------------|-----------------|-------------------|
| FROM                           | TO          |                  |          |                                |                 |                   |
| P37                            | P42         | 397.5 MCM ACSR   | 3        | 202                            | 606             | A/B/C PHASES      |
| P37                            | P42         | 4/0 ACSR NEUT    | 1        | 202                            | 202             |                   |
| P42                            | S/A<br>2136 | EXISTING OH TPX  | 1        | 68                             | 68              |                   |
| P42                            | S/A<br>2146 | EXISTING OH TPX  | 1        | 79                             | 79              |                   |
| P42                            | P43         | EXISTING OH TPX  | 1        | 44                             | 44              |                   |
| P43                            | S/A<br>2133 | EXISTING OH TPX  | 1        | 77                             | 77              |                   |
| P43                            | S/A<br>2139 | EXISTING OH TPX  | 1        | 41                             | 41              |                   |
| P42                            | P46         | 397.5 MCM ACSR   | 3        | 187                            | 561             | A/B/C PHASES      |
| P42                            | P46         | 4/0 ACSR NEUT    | 1        | 187                            | 187             |                   |
| P46                            | S/A<br>2127 | EXISTING OH TPX  | 1        | 100                            | 100             |                   |
| P46                            | S/A<br>2130 | EXISTING OH TPX  | 1        | 125                            | 125             |                   |
| TOTAL FEET EXISTING OH TPX     |             |                  |          |                                | 534             | ACTUAL____REMOVED |
| TOTAL FEET 4/0 ACSR PRI & NEUT |             |                  |          |                                | 389             | ACTUAL____REMOVED |
| TOTAL FEET 397.5 MCM ACSR      |             |                  |          |                                | 1167            | ACTUAL____REMOVED |

|                                              |                                 |
|----------------------------------------------|---------------------------------|
| <b>TRANSFORMER REMOVAL</b>                   |                                 |
| Installed at site:                           | <u>P42</u>                      |
| Grid Number:                                 | <u>468066-157540</u>            |
| kVA Rating:                                  | <u>37.5kVA</u>                  |
| Foreman to redline the following information |                                 |
| Company ID#:                                 | <u>                    </u>     |
| Primary phase connected to:                  | <u>                    </u>     |
| Tested Secondary Voltage                     | <u>        <i>I</i>        </u> |

|                                                        |                      |
|--------------------------------------------------------|----------------------|
| <b>TRANSFORMER REMOVAL</b>                             |                      |
| Installed at site:                                     | <b>P46</b>           |
| Grid Number:                                           | <b>468061-157565</b> |
| kVA Rating:                                            | <b>25kVA</b>         |
| <br><b>Foreman to reline the following information</b> |                      |
| Company ID#:                                           | _____                |
| Primary phase connected to:                            | _____                |
| Tested Secondary Voltage                               | _____ / _____        |

# CONSTRUCTION SET

|                                                                                                                                                                                                                    |  |              |  |                      |  |                   |  |                          |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------|--|----------------------|--|-------------------|--|--------------------------|--|
|                                                                                                                                                                                                                    |  |              |  | REAL ESTATE/EASEMENT |  | PERMIT            |  |                          |  |
|                                                                                                                                                                                                                    |  |              |  | RW-133686            |  | FERNDALE          |  |                          |  |
| 3                                                                                                                                                                                                                  |  |              |  | FUNCTION             |  | CONTACT           |  |                          |  |
| 2                                                                                                                                                                                                                  |  |              |  | PROJECT MGR          |  | JANE MAJOR        |  |                          |  |
| 1                                                                                                                                                                                                                  |  |              |  | ENGR - POWER         |  | JORDAN VELASCO    |  |                          |  |
| REV#                                                                                                                                                                                                               |  | DATE         |  | BY                   |  | DESCRIPTION       |  |                          |  |
| COUNTY                                                                                                                                                                                                             |  | Emor Sect    |  | Gas Wk Ctr           |  | POWER WK CTR      |  |                          |  |
| WHATCOM                                                                                                                                                                                                            |  | N/A          |  | N/A                  |  | CSPFEPI           |  |                          |  |
| 1/4 SEC                                                                                                                                                                                                            |  | OP MAP       |  | PLAT MAP             |  | APPROVED BY       |  |                          |  |
| T40N R2E S19                                                                                                                                                                                                       |  | N/A          |  | N/A                  |  | FOREMAN #1        |  |                          |  |
| U-MAP NO (POWER)                                                                                                                                                                                                   |  | OH CKT MAP   |  | UG CKT MAP           |  | FOREMAN #2        |  |                          |  |
| A3902E075                                                                                                                                                                                                          |  | D3902E080    |  | R3902E075            |  | CIRCUIT NO        |  |                          |  |
|                                                                                                                                                                                                                    |  |              |  | VIS-23               |  | MAPPING           |  |                          |  |
| JOINT FACILITIES ARRANGEMENTS                                                                                                                                                                                      |  |              |  |                      |  |                   |  |                          |  |
| UTILITIES                                                                                                                                                                                                          |  | ZIPLY        |  | COMCAST              |  | ASTOUND           |  |                          |  |
| CONTACT                                                                                                                                                                                                            |  | MIKE MERRILL |  | KEN BRIDGES          |  | JEREMAH STRAND    |  |                          |  |
| PHONE#                                                                                                                                                                                                             |  | 615-719-0199 |  | 253-278-4288         |  | 360-506-9011      |  |                          |  |
| <div><div>CITY OF FERNDALE<br/>FERNDALE TERRACE INFRASTRUCTURE IMPROVEMENT<br/>2295 FERNDALE TERRACE, FERNDALE WA</div></div> |  |              |  |                      |  | INCIDENT<br>N/A   |  | MAOP<br>N/A              |  |
|                                                                                                                                                                                                                    |  |              |  |                      |  | Gas Order<br>N/A  |  | Elect Order<br>101172075 |  |
|                                                                                                                                                                                                                    |  |              |  |                      |  | SCALE<br>AS NOTED |  | PAGE<br>19/24            |  |



SITE PLAN - NEW FACILITIES (P40-P46)  
SCALE: 1" = 20'

| WIRE STRINGING TABLE    |          |     |     |                  |          |                           |                        |
|-------------------------|----------|-----|-----|------------------|----------|---------------------------|------------------------|
| LOCATION                |          | PRI | SEC | WIRE SIZE & TYPE | QUANTITY | LENGTH (FT PER CONDUCTOR) | REMARKS                |
| FROM                    | TO       |     |     |                  |          |                           |                        |
| P41                     | P43      |     | XX  | #2 OH TPX        | 1        | 70                        |                        |
| P43                     | P45      | XX  |     | 397.5 MCMAAC     | 3        | 151                       | A/B/C PHASES           |
| P43                     | P45      | XX  |     | 4/0 ACSR NEUT    | 1        | 99                        |                        |
| P45                     | P46      | XX  |     | 397.5 MCMAAC     | 3        | 52                        | A/B/C PHASES           |
| P45                     | P46      | XX  |     | 4/0 ACSR NEUT    | 1        | 52                        |                        |
| P45                     | P46      | XX  |     | #2 OH TPX        | 1        | 52                        |                        |
| P44                     | P46      | XX  |     | #2 OH TPX        | 1        | 64                        |                        |
| P41                     | S/A 2146 | XX  |     | #2 OH TPX        | 1        | 59                        |                        |
| P43                     | S/A 2133 | XX  |     | #2 OH TPX        | 1        | 77                        |                        |
| P43                     | S/A 2139 | XX  |     | #2 OH TPX        | 1        | 47                        |                        |
| P44                     | S/A 2130 | XX  |     | #2 OH TPX        | 1        | 64                        |                        |
| P45                     | S/A 2127 | XX  |     | #2 OH TPX        | 1        | 58                        |                        |
| TOTAL FEET 397.5 MCMAAC |          |     |     |                  |          | 609                       | ACTUAL _____ INSTALLED |
| TOTAL FEET #2 OH TPX    |          |     |     |                  |          | 491                       | ACTUAL _____ INSTALLED |
| TOTAL FEET 4/0 NEUT     |          |     |     |                  |          | 151                       | ACTUAL _____ INSTALLED |

POLE TABLE (NEW)

| SITE | POLE DATA     |        |       |      |                        |
|------|---------------|--------|-------|------|------------------------|
|      | GRID #        | HEIGHT | CLASS | YEAR | REMARKS / LOCATION REF |
| P41  | 468071-157539 | 35FT   | 3     |      |                        |
| P43  | 468068-157546 | 45FT   | H2    |      |                        |
| P44  | 468072-157554 | 35FT   | 3     |      |                        |
| P45  | 468066-157559 | 45FT   | H2    |      |                        |
| P46  | 468061-157565 | 45FT   | H2    |      |                        |

SITE SPECIFIC NOTES (CONTINUED) (PART 1)

P41 TO P43:  
WO# 101172075  
INSTALL #2 OH SEC TPX APPROX. 70FT (ACTUAL: \_\_\_\_\_FT)

(UNIT 2-20A X1)

P41: NEW POLE 35FT CL3 GRID# 468071-157539 (STA 32+10.00, L/A = N/A)  
WO# 101172075  
INSTALL (NEW) 35FT CL3 (PD353) AS PER STD 6010.1000  
INSTALL RISER, 3" COND SYS STANDOFF (RIS3CSS) AS PER STD 6042.1000  
WO# 593260468  
INSTALL (TRANSFER) EXISTING STREET LIGHT (SLAF 4232) TO P39  
TRANSFER, REPLACE, SHORTEN OR EXTEND EXISTING TPX TO S/A 2146 FERNDAL TERR.  
WO# 594162199  
INSTALL (REPLACE) 4/0 UG TPX TO S/A 2136 FERNDAL TERR. APPROX. 60FT (ACTUAL: \_\_\_\_\_FT)  
NOTE: INTERCEPT EXISTING SVC (IP 2136)  
TRENCH & INSTALL NEW 3" DB120 CONDUIT APPROX. 60FT (ACTUAL = \_\_\_\_\_FT)

(UNIT 2-7 X1)

(UNIT 2-24 X1)

(UNIT 3-3 X1)

(UNIT 2-54A X60FT)

(UNIT 2-36 X 60FT) (UNIT 2-49 X 60FT)

P42: EXISTING 2012 45FT CL3 GRID# 468066-157540 (STA 32+35.00, L/A = 2")  
WO# 108159355  
REMOVE EXISTING 37.5kVA 120/240V OH XFMR  
REMOVE POLE STUB AFTER COMMUNICATION TRANSFERS HAVE BEEN COMPLETED  
ATTACHED UTILITIES: COMCAST, ZIPLY, AND ASTOUND

(UNIT 2-129 X1)

P43: NEW POLE 45FT CLH2 GRID# 468068-157546 (STA 32+62.00, L/A = N/A)  
WO# 101172075  
INSTALL (NEW) 45FT CLH2 (PD45H2) AS PER STD 6010.1000  
NOTE: EXISTING ZIPLY OWNED POLE, ZIPLY TO REMOVE  
INSTALL 3-PHASE SGL WINGARM 397 (TASW313) AS PER STD 6033.4012  
INSTALL 25kVA 7-120/240 OH XFMR (TRFNXF) FUSE @ 10T AS PER STD 6025.1000  
WO# 593260468  
TRANSFER, REPLACE, SHORTEN OR EXTEND EXISTING TPX TO S/A 2133 & 2139 FERNDAL TERR.  
INSTALL (TRANSFER) EXISTING STREET LIGHT (SLAF 4232) FROM P41

(UNIT 2-7 X1)

(UNIT 2-24 X1)

(UNIT 3-3 X2)

(UNIT 2-302 X1)

SECONDARY CABLE & CONDUIT TABLE

| LOCATION                 |          | CABLE                   |             |                          | CONDUIT |             |       |                   |     |     | VOLTAGE   |           | ASBUILT INFORMATION     |  |       |         |
|--------------------------|----------|-------------------------|-------------|--------------------------|---------|-------------|-------|-------------------|-----|-----|-----------|-----------|-------------------------|--|-------|---------|
|                          |          | SIZE                    | LENGTH      | ASSUMED                  | SIZE    | LENGTH      | BENDS |                   |     |     | DROP      | FLICKER   | Foreman - Complete      |  |       |         |
| FROM                     | TO       | (1/0,4/0,350)           | Design (ft) | Lot Corner to Meter (ft) | (in)    | Design (ft) | 90°   | 45°               | 22° | 11° | (Percent) | (Percent) | Actual Amount Installed |  | Cable | Conduit |
| P41                      | S/A 2136 | 4/0                     | 65          | 65                       | 3       | 65          | 2     | -                 | -   | -   | -         | -         |                         |  |       |         |
| 1/0 UG Triplex (ft) = -  |          | 2" PVC & BENDS (ft)= -  |             |                          |         | 2           |       | 0                 | 0   | 0   | 0.1       |           |                         |  |       |         |
| 4/0 UG Triplex (ft) = 65 |          | 3" PVC & BENDS (ft)= 65 |             |                          |         | 0           |       | 0                 | 0   | 0   | 0.1       |           |                         |  |       |         |
| 350 UG Triplex (ft) = -  |          |                         |             |                          |         |             |       | TOTAL QTS OF GLUE |     |     |           | 0.2       |                         |  |       |         |

TRANSFORMER INSTALLATION

Installed at site: **P43**  
Grid Number: **468068-157546**  
kVA Rating: **25kVA**  
Material ID#: **6211250**

Foreman to redline the following information

Company ID#: \_\_\_\_\_  
Primary phase connected to: \_\_\_\_\_  
Tested Secondary Voltage: \_\_\_\_\_ /

TRANSFORMER INSTALLATION

Installed at site: **P46**  
Grid Number: **468061-157565**  
kVA Rating: **25kVA**  
Material ID#: **6211250**

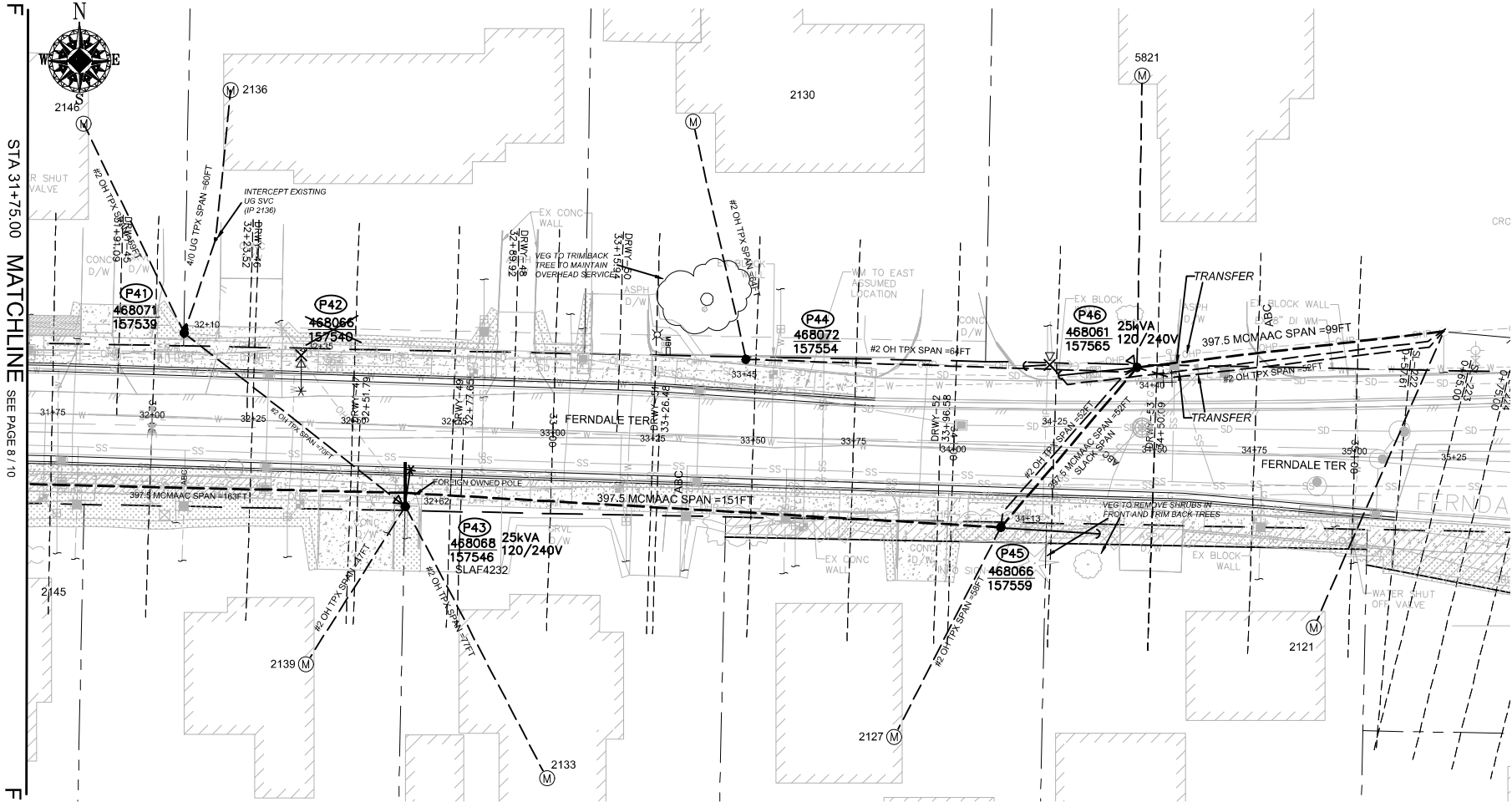
Foreman to redline the following information

Company ID#: \_\_\_\_\_  
Primary phase connected to: \_\_\_\_\_  
Tested Secondary Voltage: \_\_\_\_\_ /

CONSTRUCTION SET

|                                                                                                                 |              |              |                 | REAL ESTATE/EASEMENT                       |                | PERMIT       |         |
|-----------------------------------------------------------------------------------------------------------------|--------------|--------------|-----------------|--------------------------------------------|----------------|--------------|---------|
|                                                                                                                 |              |              |                 | RW-133686                                  |                | FERNDAL      |         |
| 3                                                                                                               |              |              |                 | FUNCTION                                   | CONTACT        | PHONE NO     | DATE    |
| 2                                                                                                               |              |              |                 | PROJECT MGR                                | JANE MAJOR     | 360-791-2748 | 1/10/25 |
| 1                                                                                                               |              |              |                 | ENGR - POWER                               | JORDAN VELASCO | 360-296-3127 | 1/10/25 |
| REV#                                                                                                            | DATE         | BY           | DESCRIPTION     | ENGR - GAS                                 | N/A            | N/A          | N/A     |
| COUNTY                                                                                                          | WHATCOM      | Emer Sect    | Gas Wk Ctr      | POWER WK CTR                               | JOHN HATHAWAY  | 360-201-1340 | 1/10/25 |
| 1/4 SEC                                                                                                         |              | N/A          | N/A             | CSPFEPI                                    | CHECKED BY     | 360-941-2007 | 1/10/25 |
| T40N R2E S19                                                                                                    | OP MAP       | N/A          | PLAT MAP        |                                            | APPROVED BY    | 360-791-2748 | 1/10/25 |
| U-MAP NO (POWER)                                                                                                | OH CKT MAP   | N/A          | N/A             |                                            | FOREMAN #1     |              |         |
| A3902E075                                                                                                       | D3902E080    | UG CKT MAP   | R3902E075       | CIRCUIT NO                                 | FOREMAN #2     |              |         |
|                                                                                                                 |              | VIS-23       |                 | MAPPING                                    |                |              |         |
| JOINT FACILITIES ARRANGEMENTS                                                                                   |              |              |                 |                                            |                |              |         |
| UTILITIES                                                                                                       | ZIPLY        | COMCAST      | ASTOUND         | N/A                                        |                |              |         |
| CONTACT                                                                                                         | MIKE MERRILL | KEN BRIDGES  | JEREMIAH STRAND | N/A                                        |                |              |         |
| PHONE#                                                                                                          | 615-719-0199 | 253-278-4268 | 360-500-9011    | N/A                                        |                |              |         |
|  <b>PUGET SOUND ENERGY</b> |              |              |                 | CITY OF FERNDAL                            |                |              |         |
|                                                                                                                 |              |              |                 | FERNDAL TERRACE INFRASTRUCTURE IMPROVEMENT |                |              |         |
|                                                                                                                 |              |              |                 | 2295 FERNDAL TERRACE, FERNDAL WA           |                |              |         |
|                                                                                                                 |              |              |                 | INCIDENT                                   | MAOP           |              |         |
|                                                                                                                 |              |              |                 | N/A                                        | N/A            |              |         |
|                                                                                                                 |              |              |                 | Gas Order                                  | Elect Order    |              |         |
|                                                                                                                 |              |              |                 | N/A                                        | 101172075      |              |         |
|                                                                                                                 |              |              |                 | SCALE                                      | PAGE           |              |         |
|                                                                                                                 |              |              |                 | AS NOTED                                   | 20/24          |              |         |





SITE PLAN - NEW FACILITIES (P40-P46)  
SCALE: 1" = 20'

SITE SPECIFIC NOTES (CONTINUED) (PART 2)

P44: NEW POLE 35FT CL3 GRID# 468072-157554 (STA 33+45.00, L/A = N/A)  
WO# 101172075  
INSTALL (NEW) 35FT CL3 (PD353) AS PER STD 6010.1000  
WO# 593260468  
TRANSFER, REPLACE, SHORTEN OR EXTEND EXISTING TPX TO S/A 2130 FERNDAL TERR.

(UNIT 2-7 X1)  
(UNIT 3-3 X1)

P44 TO P46:  
WO# 101172075  
INSTALL #2 OH SEC TPX APPROX. 64FT (ACTUAL: \_\_\_\_\_ FT)

(UNIT 2-20A X1)

P45: NEW POLE 45FT CLH2 GRID# 468066-157559 (STA 34+13.00, L/A = N/A)  
WO# 101172075  
INSTALL (NEW) 45FT CLH2 (PD45H2) AS PER STD 6010.1000  
INSTALL 3-PHASE HD DE 397 (WEST) (DE3315) AS PER STD 6033.1042  
12KV 3-PHASE SLACK SPAN BUCK 397 AAC (NORTH) (SSF8313) AS PER STD 6033.5010  
INSTALL TRIPLE HELIX ANCHOR 10"-12"-14" (ANDH3) AS PER STD 6012.1000 (LEAD = 20FT EAST)  
INSTALL PRIMARY GUY DBL 7/16" ANC W/AUTO GRIP (GYDD7SA) AS PER STD 6013.0100  
INSTALL NEUTRAL GUY 3/8" ANC W/AUTO GRIP (GYD3SAN) AS PER STD 6013.0100  
WO# 593260468  
TRANSFER, REPLACE, SHORTEN OR EXTEND EXISTING TPX TO S/A 2127 FERNDAL TERR.

(UNIT 2-7 X1)  
(UNIT 1-8E X1)  
(UNIT 3-3 X1)

P46: EXISTING 1980 45FT CL4 GRID# 468061-157565 (STA 34+40.00, L/A = N/A)  
WO# 101172075  
INSTALL (REPLACE) 45FT CLH2 (PD45H2) AS PER STD 6010.1000  
INSTALL 3-PHASE HD DE 397 (EAST) (DE3315) AS PER STD 6033.1042  
12KV 3-PHASE SLACK SPAN BUCK 397 AAC (SOUTH) (SSF8313) AS PER STD 6033.5010  
INSTALL 25kVA 7-120/240 OH XFMR (TRFNXF) FUSE @ 10T AS PER STD 6025.1000  
INSTALL TRIPLE HELIX ANCHOR 10"-12"-14" (ANDH3) AS PER STD 6012.1000 (LEAD = 20FT WEST)  
INSTALL PRIMARY GUY DBL 7/16" ANC W/AUTO GRIP (GYDD7SA) AS PER STD 6013.0100  
INSTALL NEUTRAL GUY 3/8" ANC W/AUTO GRIP (GYD3SAN) AS PER STD 6013.0100  
WO# 108159355  
REMOVE EXISTING 25kVA 120/240V OH XFMR  
REMOVE POLE STUB AFTER COMMUNICATION TRANSFERS HAVE BEEN COMPLETED  
ATTACHED UTILITIES: COMCAST, ZIPLY, AND ASTOUND

(UNIT 2-7 X1)  
(UNIT 2-24 X1)  
(UNIT 2-129 X1)

WO# 593260468  
TRANSFER 3-PHASE 397ACSR PRI & 4/OACSR NEUT EXTEND/SHORTEN AS REQ'D  
TRANSFER, REPLACE, SHORTEN OR EXTEND EXISTING TPX (EAST) AS REQ'D

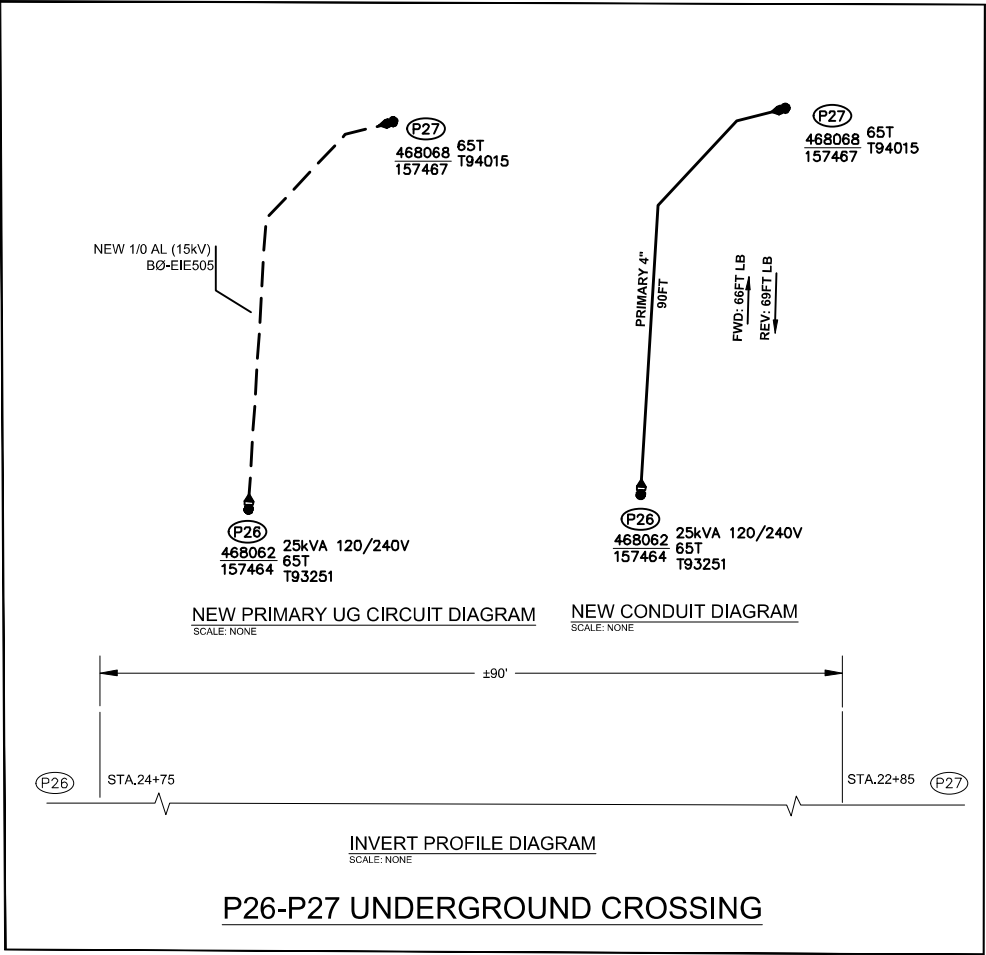
NOTES P45 TO P46:  
WO# 101172075  
INSTALL #2 OH SEC TPX APPROX. 52FT (ACTUAL: \_\_\_\_\_ FT)

(UNIT 2-20A X1)

CONSTRUCTION SET

| REAL ESTATE/EASEMENT                       |              |                |                 | PERMIT      |               |              |         |
|--------------------------------------------|--------------|----------------|-----------------|-------------|---------------|--------------|---------|
| RW-133686                                  |              |                |                 | FERNDAL     |               |              |         |
| 3                                          | FUNCTION     | CONTACT        | PHONE NO        | DATE        | DATE          | DATE         | DATE    |
| 2                                          | PROJECT MGR  | JANE MAJOR     | 360-791-2748    | 1/10/25     |               |              |         |
| 1                                          | ENGR - POWER | JORDAN VELASCO | 360-296-3127    | 1/10/25     |               |              |         |
| REV#                                       | DATE         | BY             | DESCRIPTION     | ENGR - GAS  | N/A           | N/A          | N/A     |
| COUNTY                                     | Emer Sect    | Gas Wk Ctr     | POWER WK CTR    | DRAWN BY    | JOHN HATHAWAY | 360-201-1340 | 1/10/25 |
| WHATCOM                                    | N/A          | N/A            | CSPFEPI         | CHECKED BY  | 260-041-2007  | 360-041-2007 | 1/10/25 |
| 1/4 SEC                                    | OP MAP       | N/A            | PLAT MAP        | APPROVED BY | JANE MAJOR    | 360-791-2748 | 1/10/25 |
| T40N R2E S19                               | N/A          | N/A            | N/A             | FOREMAN #1  |               |              |         |
| U-MAP NO (POWER)                           | OH CKT MAP   | UG CKT MAP     | CIRCUIT NO      | FOREMAN #2  |               |              |         |
| A3902E075                                  | D3902E080    | R3902E075      | VIS-23          | MAPPING     |               |              |         |
| JOINT FACILITIES ARRANGEMENTS              |              |                |                 |             |               |              |         |
| UTILITIES                                  | ZIPLY        | COMCAST        | ASTOUND         | N/A         |               |              |         |
| CONTACT                                    | MIKE MERRILL | KEN BRIDGES    | JEREMIAH STRAND | N/A         |               |              |         |
| PHONE#                                     | 615-719-0199 | 253-278-4268   | 360-500-0011    | N/A         |               |              |         |
| CITY OF FERNDAL                            |              |                |                 | INCIDENT    | MAOP          |              |         |
| FERNDAL TERRACE INFRASTRUCTURE IMPROVEMENT |              |                |                 | N/A         | N/A           |              |         |
| 2295 FERNDAL TERRACE, FERNDAL WA           |              |                |                 | Gas Order   | Elect Order   |              |         |
|                                            |              |                |                 | N/A         | 101172075     |              |         |
|                                            |              |                |                 | SCALE       | PAGE          |              |         |
|                                            |              |                |                 | AS NOTED    | 21/24         |              |         |

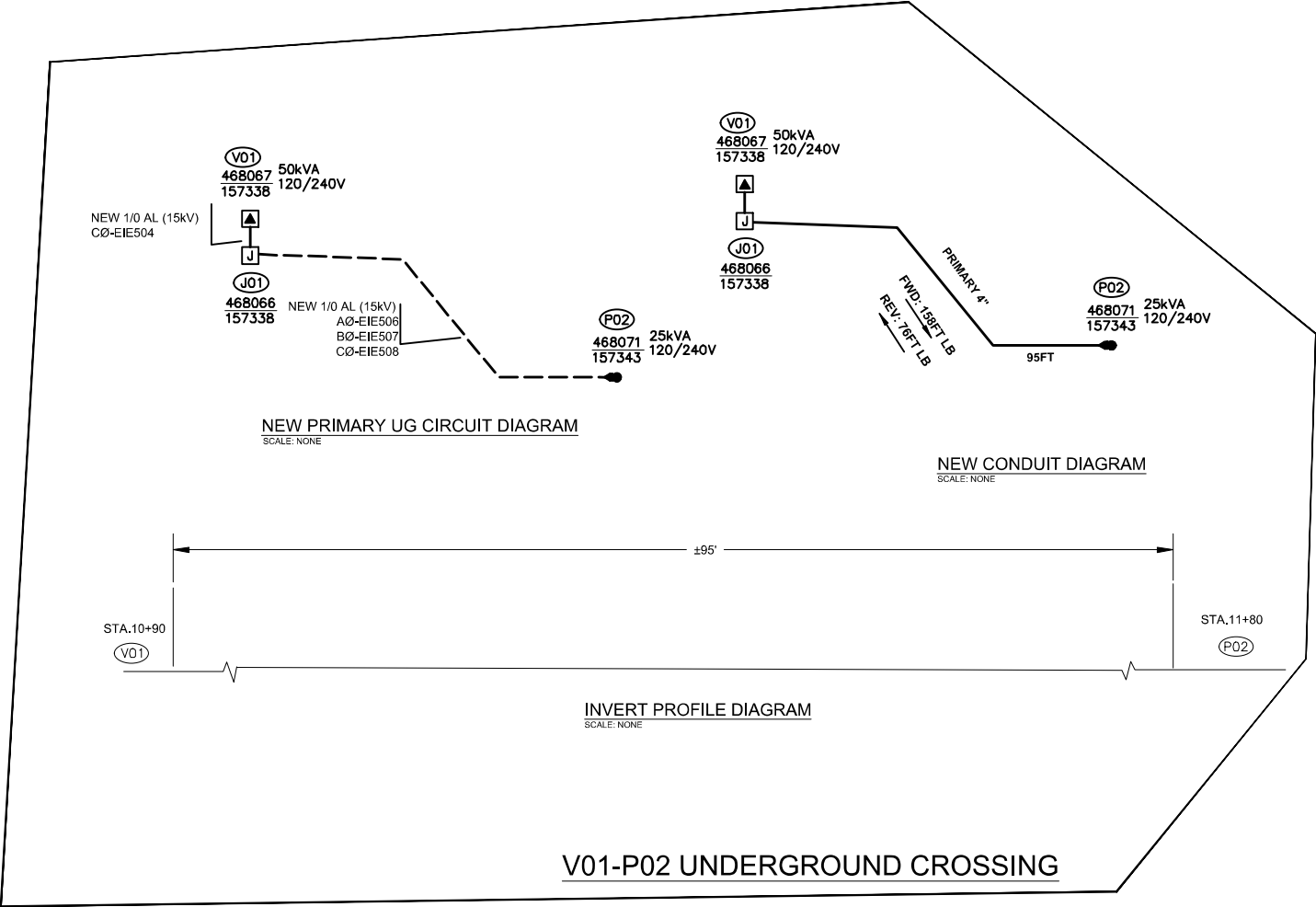
101172075



CONSTRUCTION SET

|                                                                                                                                                                           |              |              |                 | REAL ESTATE/EASEMENT |                | PERMIT        |              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|-----------------|----------------------|----------------|---------------|--------------|
|                                                                                                                                                                           |              |              |                 | RW-133886            |                | FERNDALÉ      |              |
| 3                                                                                                                                                                         |              |              |                 | FUNCTION             | CONTACT        | PHONE NO      | DATE         |
| 2                                                                                                                                                                         |              |              |                 | PROJECT MGR          | JANE MAJOR     | 360-791-2748  | 1/10/25      |
| 1                                                                                                                                                                         |              |              |                 | ENGR - POWER         | JORDAN VELASCO | 360-296-3127  | 1/10/25      |
| REV#                                                                                                                                                                      | DATE         | BY           | DESCRIPTION     | ENGR - GAS           | N/A            | N/A           | N/A          |
| COUNTY                                                                                                                                                                    | WHATCOM      | Emer Sect    | Gas Wk Ctr      | POWER WK CTR         | DRAWN BY       | JOHN HATHAWAY | 360-201-1340 |
|                                                                                                                                                                           |              | N/A          | N/A             | CSPFEPI              | CHECKED BY     | 360-941-2007  | 1/10/25      |
| 1/4 SEC                                                                                                                                                                   | T40N R2E S19 | OP MAP       | N/A             | PLAT MAP             | APPROVED BY    | JANE MAJOR    | 360-791-2748 |
|                                                                                                                                                                           |              | N/A          | N/A             | N/A                  | FOREMAN #1     |               |              |
| U-MAP NO (POWER)                                                                                                                                                          | A3902E075    | OH CKT MAP   | D3902E080       | UG CKT MAP           | CIRCUIT NO     | VIS-23        | FOREMAN #2   |
|                                                                                                                                                                           |              |              |                 |                      | MAPPING        |               |              |
| JOINT FACILITIES ARRANGEMENTS                                                                                                                                             |              |              |                 |                      |                |               |              |
| UTILITIES                                                                                                                                                                 | ZIPLY        | COMCAST      | ASTOUND         | N/A                  |                |               |              |
| CONTACT                                                                                                                                                                   | MIKE MERRILL | KEN BRIDGES  | JEREMIAH STRAND | N/A                  |                |               |              |
| PHONE#                                                                                                                                                                    | 615-719-0199 | 253-278-4268 | 360-500-9011    | N/A                  |                |               |              |
| <div><div>PSI</div><div>PUGET SOUND ENERGY</div></div> <div>CITY OF FERNDALÉ<br/>FERNDALÉ TERRACE INFRASTRUCTURE IMPROVEMENT<br/>2295 FERNDALÉ TERRACE, FERNDALÉ WA</div> |              |              |                 |                      |                | INCIDENT      | MAOP         |
|                                                                                                                                                                           |              |              |                 |                      |                | N/A           | N/A          |
|                                                                                                                                                                           |              |              |                 |                      |                | Gas Order     | Elect Order  |
|                                                                                                                                                                           |              |              |                 |                      |                | N/A           | 101172075    |
|                                                                                                                                                                           |              |              |                 |                      |                | SCALE         | PAGE         |
|                                                                                                                                                                           |              |              |                 |                      |                | AS NOTED      | 22/24        |

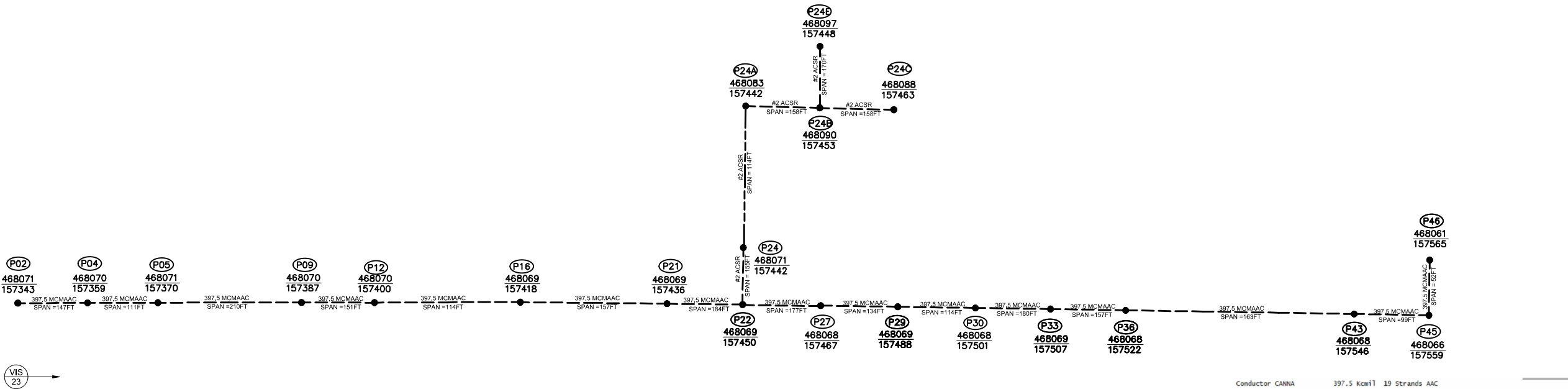
Jan 10, 2025 - 4:04pm C:\Users\P61459\appdata\local\temp\AcPublish\_20384\ 101172075 Ferndale Terrace Version 17.dwg



CONSTRUCTION SET

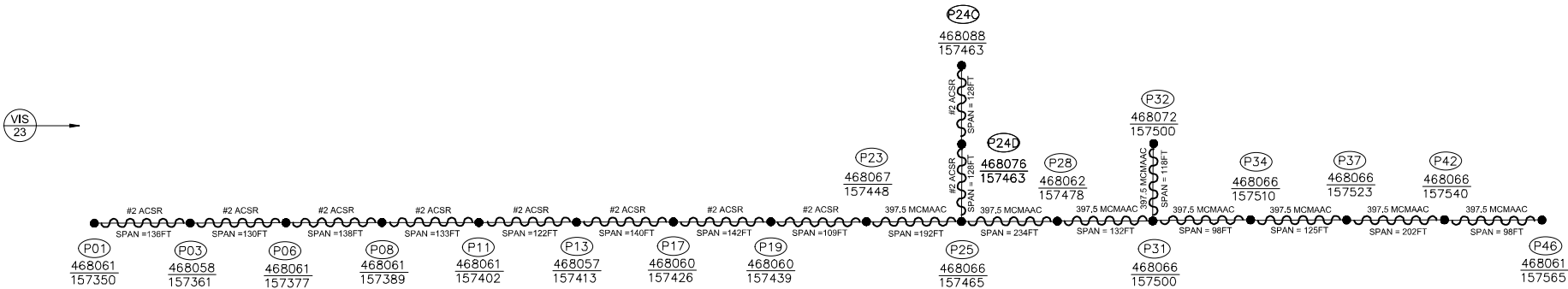
| REAL ESTATE/EASEMENT                                                                                            |              |            |              |                                             |                 | PERMIT        |              |
|-----------------------------------------------------------------------------------------------------------------|--------------|------------|--------------|---------------------------------------------|-----------------|---------------|--------------|
| RW-133886                                                                                                       |              |            |              |                                             |                 | FERNDALE      |              |
| 3                                                                                                               |              |            |              | FUNCTION                                    | CONTACT         | PHONE NO      | DATE         |
| 2                                                                                                               |              |            |              | PROJECT MGR                                 | JANE MAJOR      | 360-791-2748  | 1/10/25      |
| 1                                                                                                               |              |            |              | ENGR - POWER                                | JORDAN VELASCO  | 360-296-3127  | 1/10/25      |
| REV#                                                                                                            | DATE         | BY         | DESCRIPTION  | ENGR - GAS                                  | N/A             | N/A           | N/A          |
| COUNTY                                                                                                          | WHATCOM      | Emer Sect  | Gas Wk Ctr   | POWER WK CTR                                | DRAWN BY        | JOHN HATHAWAY | 360-201-1340 |
|                                                                                                                 |              | N/A        | N/A          | CSPFEPI                                     | CHECKED BY      | 360-941-2007  | 1/10/25      |
| 1/4 SEC                                                                                                         | T40N R2E S19 | OP MAP     |              | PLAT MAP                                    | APPROVED BY     | JANE MAJOR    | 360-791-2748 |
|                                                                                                                 |              | N/A        |              | N/A                                         | FOREMAN #1      |               |              |
| U-MAP NO (POWER)                                                                                                | A3902E075    | OH CKT MAP | D3902E080    | UG CKT MAP                                  | FOREMAN #2      |               |              |
|                                                                                                                 |              |            |              | R3902E075                                   | MAPPING         |               |              |
|                                                                                                                 |              |            |              | VIS-23                                      |                 |               |              |
| JOINT FACILITIES ARRANGEMENTS                                                                                   |              |            |              |                                             |                 |               |              |
| UTILITIES                                                                                                       | ZIPLY        |            | COMCAST      |                                             | ASTOUND         |               | N/A          |
| CONTACT                                                                                                         | MIKE MERRILL |            | KEN BRIDGES  |                                             | JEREMIAH STRAND |               | N/A          |
| PHONE#                                                                                                          | 615-719-0199 |            | 253-278-4268 |                                             | 360-500-9011    |               | N/A          |
|  <b>PUGET SOUND ENERGY</b> |              |            |              | CITY OF FERNDALE                            |                 |               |              |
|                                                                                                                 |              |            |              | FERNDALE TERRACE INFRASTRUCTURE IMPROVEMENT |                 |               |              |
|                                                                                                                 |              |            |              | 2295 FERNDALE TERRACE, FERNDALE WA          |                 |               |              |
|                                                                                                                 |              |            |              | INCIDENT                                    | N/A             | MAOP          | N/A          |
|                                                                                                                 |              |            |              | Gas Order                                   | N/A             | Elect Order   | 101172075    |
|                                                                                                                 |              |            |              | SCALE                                       | AS NOTED        | PAGE          | 23/24        |

101172075



WIRE INSTALL DIAGRAM

SCALE: 1" = 20'



WIRE REMOVAL DIAGRAM

SCALE: 1" = 20'

SITE SPECIFIC NOTES (CONTINUED)

**NORTH SIDE P02 TO P21**  
**WO# 10117207**  
INSTALL 3-PHASE 397.5 MCMAAC APPROX. 1090FT (ACTUAL = \_\_\_\_FT) (UNIT 2-15 X 1090FT)

**NORTH SIDE P30 TO P32**  
**WO# 101172075**  
INSTALL 1-PHASE #2 ACSR APPROX. 155FT (ACTUAL = \_\_\_\_FT) (UNIT 2-17 X 155FT)  
NOTE: SLACK SPAN

**P22 TO P24:**  
**WO# 101172075**  
INSTALL 2-PHASE #2 APPROX. 153FT (ACTUAL: \_\_\_\_FT) (UNIT 2-17 X 153FT)  
NOTE: SLACK SPAN

**SOUTH SIDE P22 TO P45**  
**WO# 101172075**  
INSTALL 3-PHASE 397.5 MCMAAC APPROX. 1095FT (ACTUAL = \_\_\_\_FT) (UNIT 2-15 X 1095FT)

**P01 TO P23**  
**WO# 101172075**  
REMOVE 1-PHASE #2 ACSR APPROX. 1090FT (ACTUAL = \_\_\_\_FT) (UNIT 2-26 X 10)

**P23 TO P46**  
**WO# 101172075**  
REMOVE 3-PHASE 397.5 MCMAAC APPROX. 1095FT (ACTUAL = \_\_\_\_FT) (UNIT 2-25 X 8)

SITE SPECIFIC NOTES (CONTINUED)

**P24 TO P24A (PRI & NEUT):**  
**WO# 101172075**  
INSTALL 2-PHASE #2 APPROX. 114FT (ACTUAL = \_\_\_\_FT) (UNIT 2-15 X114FT)

**P24A TO P24B TO P24C (PRI & NEUT):**  
**WO# 101172075**  
INSTALL 1-PHASE #2 APPROX. 282FT (ACTUAL = \_\_\_\_FT) (UNIT 2-15 X282FT)

**P24B TO P24E:**  
**WO# 101172075**  
INSTALL 1-PHASE #2 APPROX. 170FT (ACTUAL = \_\_\_\_FT) (UNIT 2-15 X170FT)

**P24C TO P24D:**  
**WO# 101172075**  
REMOVE 1-PHASE #2 APPROX. 128FT (ACTUAL = \_\_\_\_FT) (UNIT 2-6 X128FT)

**P45 TO P46:**  
**WO# 10117207**  
INSTALL 3-PHASE 397.5 MCMAAC APPROX. 52FT (ACTUAL = \_\_\_\_FT) (UNIT 2-15 X 52FT)  
NOTE: SLACK SPAN

CONSTRUCTION SET

| REAL ESTATE/EASEMENT               |                                             |              |              | PERMIT          |                |              |           |
|------------------------------------|---------------------------------------------|--------------|--------------|-----------------|----------------|--------------|-----------|
| RW-133686                          |                                             |              |              | FERNDALE        |                |              |           |
| 3                                  |                                             |              |              | FUNCTION        | CONTACT        | PHONE NO     | DATE      |
| 2                                  |                                             |              |              | PROJECT MGR     | JANE MAJOR     | 360-791-2748 | 1/10/25   |
| 1                                  |                                             |              |              | ENGR - POWER    | JORDAN VELASCO | 360-296-3127 | 1/10/25   |
| REV#                               | DATE                                        | BY           | DESCRIPTION  | ENGR - GAS      | N/A            | N/A          | N/A       |
| COUNTY                             | Emer Sect                                   | Gas Wk Ctr   | POWER WK CTR | DRAWN BY        | JOHN HATHAWAY  | 360-201-1340 | 1/10/25   |
| WHATCOM                            | N/A                                         | N/A          | CSPFEPI      | CHECKED BY      | Mike Merrill   | 360-941-2007 | 1/10/25   |
| 1/4 SEC                            | OP MAP                                      | N/A          | PLAT MAP     | APPROVED BY     | JANE MAJOR     | 360-791-2748 | 1/10/25   |
| T40N R2E S19                       |                                             |              | N/A          | FOREMAN #1      |                |              |           |
| U-MAP NO (POWER)                   | OH CKT MAP                                  | UG CKT MAP   | CIRCUIT NO   | FOREMAN #2      |                |              |           |
| A3902E075                          | D3902E080                                   | R3902E075    | VIS-23       | MAPPING         |                |              |           |
| JOINT FACILITIES ARRANGEMENTS      |                                             |              |              |                 |                |              |           |
| UTILITIES                          | ZIPPLY                                      | COMCAST      | ASTOUND      | N/A             |                |              |           |
|                                    | CONTACT                                     | MIKE MERRILL | KEN BRIDGES  | JEREMIAH STRAND |                |              |           |
|                                    | PHONE#                                      | 615-719-0199 | 253-278-4268 | 360-500-9011    |                |              |           |
| PUGET SOUND ENERGY                 | CITY OF FERNDALE                            |              |              |                 |                |              | INCIDENT  |
|                                    | FERNDALE TERRACE INFRASTRUCTURE IMPROVEMENT |              |              |                 |                |              | MAOP      |
| 2295 FERNDALE TERRACE, FERNDALE WA |                                             |              |              |                 |                | Gas Order    | N/A       |
|                                    |                                             |              |              |                 |                | Elect Order  | 101172075 |
|                                    |                                             |              |              |                 |                | SCALE        | PAGE      |
|                                    |                                             |              |              |                 |                | AS NOTED     | 24/24     |