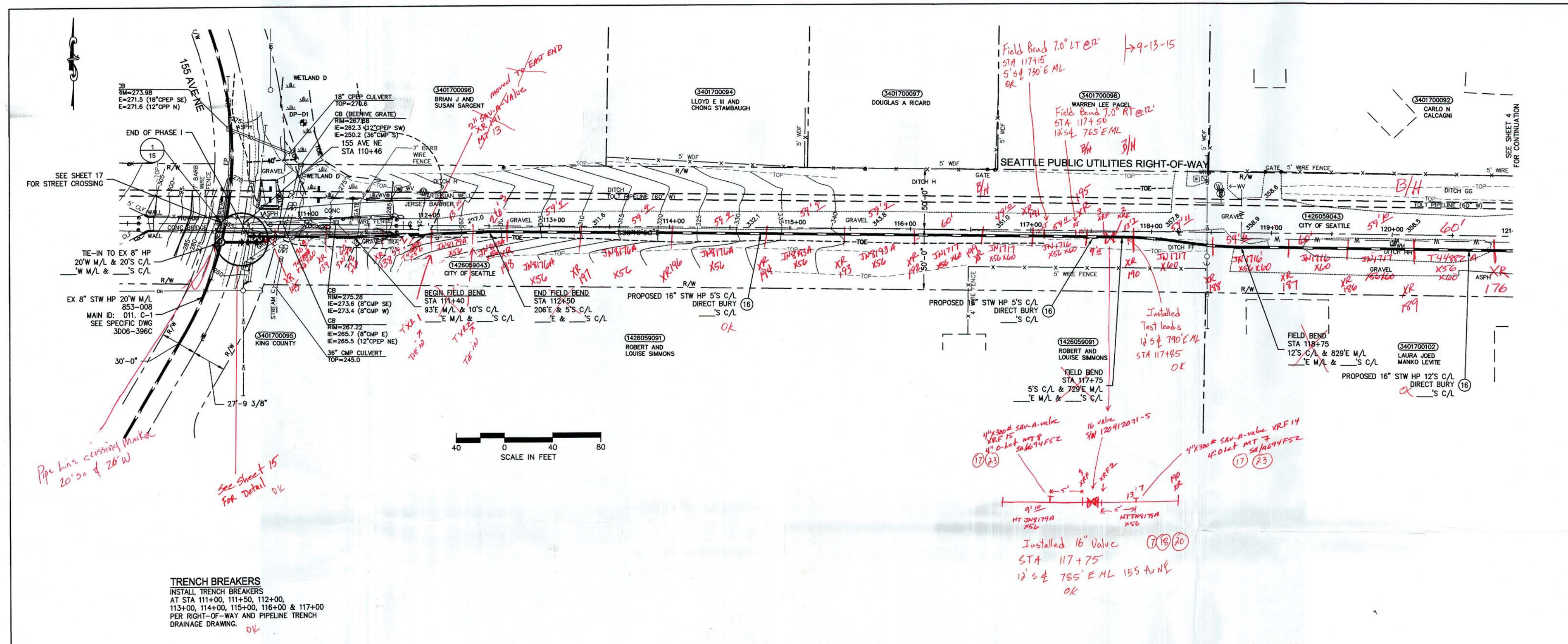


FITTER'S CHECKLIST (CHECK BOX TO CONFIRM COMPLETION)

- INSPECTED STEEL AND PE PIPE PER GOS 2450.1400 AND 2450.1500.
 - REVIEWED AND COMPLIED WITH ALL CONSTRUCTION NOTES.
 - RECORDED ALL REQUIRED INFORMATION ON THE AS-BUILT PER GOS 2500.1700.
 - COMPLETED POST INSTALLATION INSPECTION PER GOS 2525.1200 AND 2525.2700.
 - LEFT THE WORK AREA IN A CLEAN AND SAFE CONDITION.
- FOREMAN'S SIGNATURE: *[Signature]*
 FOREMAN'S NAME (PRINTED): Garrett Volkman
 COMPANY: Michels DATE: 10-2-15

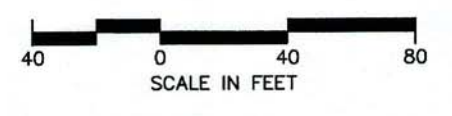
| | | | |
|---|--------------|--|---------------------------|
| PROJECT MANAGER CONTACT INFO | | CALL (800) 424-6555 | |
| PATIMA DEJARATH 425-647-7110 CELL PHONE patima.dejarath@pse.com EMAIL | | 2 BUSINESS DAYS BEFORE YOU DIG THIS SKETCH NOT TO BE RELIED UPON FOR EXACT LOCATION OF FACILITIES | |
| REAL ESTATE/EASEMENT | PERMIT | FUNCTION | NAME |
| | KING COUNTY | N/A | |
| | | PROJECT MGR | P.DEJARATH 425-456-2654 |
| | | ENGINEER | A.STAUJER 425-456-2722 |
| | | DRAWN BY | R.NAKANO 425-462-3975 N/A |
| | | CHECKED BY | P.DAO 425-462-3813 |
| REV # | DATE | BY | DESCRIPTION |
| 3 | | | |
| 2 | | | |
| 1 | | | |
| COUNTY | EMER SECTION | GAS WK CTR | APPROVED BY |
| KING | 085 | PORPC012 | M.GALLARDO 425-462-3859 |
| 1/4 SECTION | OP MAP | PLAT MAP | |
| NW 21-26-05 | 172.080 | 174.084 | |
| UTILITY JOINT FACILITIES ARRANGEMENTS | | | |

Date: 10/2/15 10:43:35 AM 30712-314_302-14.dwg-302 - Plotted By: mason 05/19/15 06:42AM



NOTE: All 12 1/2" STW (except red crossing @ 184A) Valve sections & HDD Bore(s) ARE wrapped in Tuff enough rock shield in line of sand probing

TRENCH BREAKERS
INSTALL TRENCH BREAKERS
AT STA 111+00, 111+50, 112+00,
113+00, 114+00, 115+00, 116+00 & 117+00
PER RIGHT-OF-WAY AND PIPELINE TRENCH
DRAINAGE DRAWING. OK



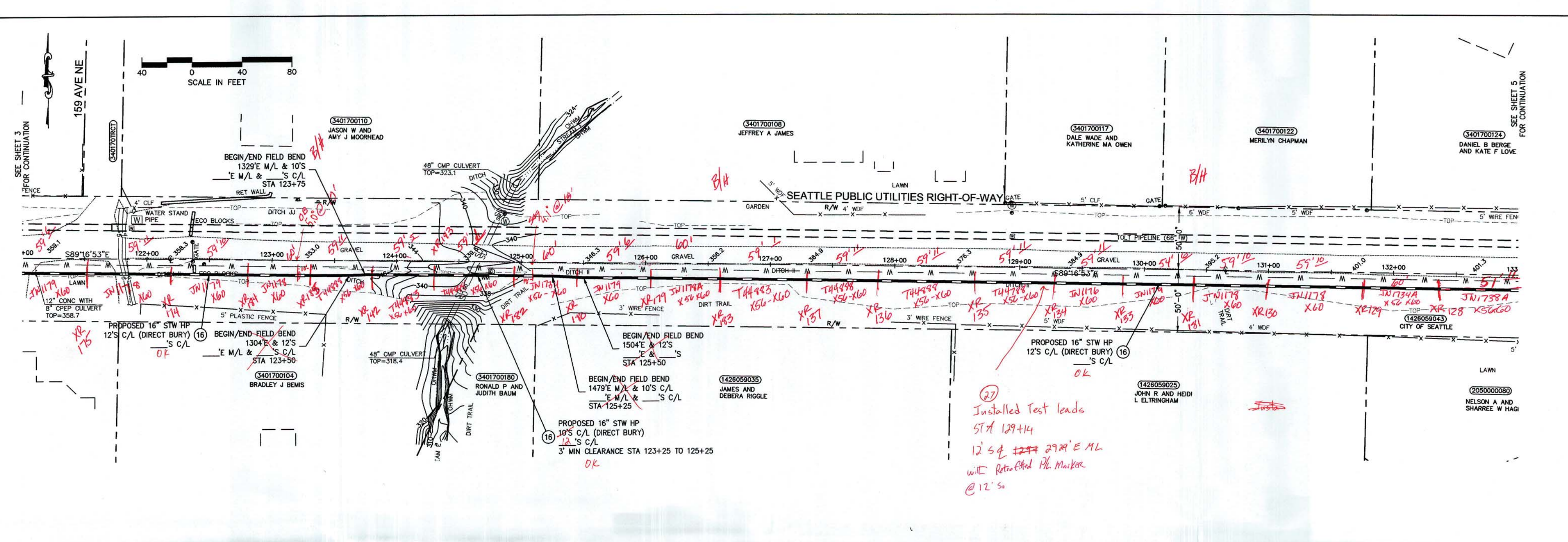
FITTER'S CHECKLIST (CHECK BOX TO CONFIRM COMPLETION)
 INSPECTED STEEL AND PE PIPE PER GOS 2450.1400 AND 2450.1500.
 REVIEWED AND COMPLIED WITH ALL CONSTRUCTION NOTES.
 RECORDED ALL REQUIRED INFORMATION ON THE AS-BUILT PER GOS 2500.1700.
 COMPLETED POST INSTALLATION INSPECTION PER GOS 2525.1200 AND 2525.2700.
 LEFT THE WORK AREA IN A CLEAN AND SAFE CONDITION.
 FOREMAN'S SIGNATURE: *[Signature]*
 FOREMAN'S NAME (PRINTED): *[Name]*
 COMPANY: *[Company]*
 DATE: *[Date]*

See sheet #1

| GAS MAIN PRESSURE AND TESTING | |
|---|---|
| TEST TYPE | <input type="checkbox"/> SOAP <input type="checkbox"/> AIR <input type="checkbox"/> NITROGEN <input type="checkbox"/> WATER |
| DATE ON | START TIME |
| DATE OFF | STOP TIME |
| PRESSURE | TEST RESULTS <input type="checkbox"/> P <input type="checkbox"/> F |
| TEST TYPE | <input type="checkbox"/> SOAP <input type="checkbox"/> AIR <input type="checkbox"/> NITROGEN <input type="checkbox"/> WATER |
| DATE ON | START TIME |
| DATE OFF | STOP TIME |
| PRESSURE | TEST RESULTS <input type="checkbox"/> P <input type="checkbox"/> F |
| <input type="checkbox"/> TESTED BY P.S. PRESSURE CONTROL, SEE FORM 1928 | |
| DESIGN PRESS | SYSTEM MAP |
| 2023 03/10 | |

| PROJECT MANAGER CONTACT INFO | | THIS SKETCH NOT TO BE RELIED UPON FOR EXACT LOCATION OF FACILITIES | |
|--|--------------|--|-------------|
| PATIMA DEJARATH 425-847-7110 CELL PHONE patima.dejarath@seattlepublicutilities.com EMAIL | | CALL (800) 424-6558 2 BUSINESS DAYS BEFORE YOU DIG | |
| SEATTLE PUBLIC UTILITIES | | REAL ESTATE/EASEMENT PERMIT | |
| FUNCTION | NAME | PHONE | DATE |
| PROJECT MGR | P. DEJARATH | 425-456-2654 | |
| ENGINEER | A. STAUFFER | 425-456-2722 | |
| DRAWN BY | R. NAKANO | 425-462-3975 | N/A |
| CHECKED BY | P. DAO | 425-462-3813 | |
| COUNTY | EMER SECTION | GAS WK CTR | APPROVED BY |
| 174 SECTION | OP MAP | FLAT MAP | OP APP |
| NW 21-26-05 | 172.080 | 174.084 | MAPPING |
| JOINT FACILITIES ARRANGEMENTS | | | |

2023 03/10
 Prepared By: meason 06/23/15 08:52AM



TRENCH BREAKERS
 INSTALL TRENCH BREAKERS
 AT STA 123+40, 123+75, 124+25, 125+00, 125+50,
 126+00, 127+00, 128+00, 128+50, 129+00, 130+00 & 131+00
 PER RIGHT-OF-WAY AND PIPELINE TRENCH
 DRAINAGE DRAWING.

Note: All 12"/16" pipe (except voad crossing @ 184th), valve sections and HDD Bore) are wrapped in "tuff energy" rock shield

22
 Installed Test leads
 STA 129+14
 12" sq. 22" 27" E.M.L.
 w/ 1" protected PE Marker
 @ 12" S

SEE Sheet 1

| GAS MAIN PRESSURE AND TESTING | | | |
|--|-------------------------------|------------------------------|-----------------------------------|
| TEST TYPE | <input type="checkbox"/> SOAP | <input type="checkbox"/> AIR | <input type="checkbox"/> NITROGEN |
| DATE ON | START TIME | STOP TIME | TESTED BY |
| DATE OFF | START TIME | STOP TIME | TESTED BY |
| PRESSURE | TEST RESULTS | <input type="checkbox"/> P | <input type="checkbox"/> F |
| TEST TYPE | <input type="checkbox"/> SOAP | <input type="checkbox"/> AIR | <input type="checkbox"/> NITROGEN |
| DATE ON | START TIME | STOP TIME | TESTED BY |
| DATE OFF | START TIME | STOP TIME | TESTED BY |
| PRESSURE | TEST RESULTS | <input type="checkbox"/> P | <input type="checkbox"/> F |
| <input type="checkbox"/> TESTED BY PSE PRESSURE CONTROL, SEE FORM 1928 DESIGN PRESS: SYSTEM MAP | | | |
| 2023 03/10 | | | |

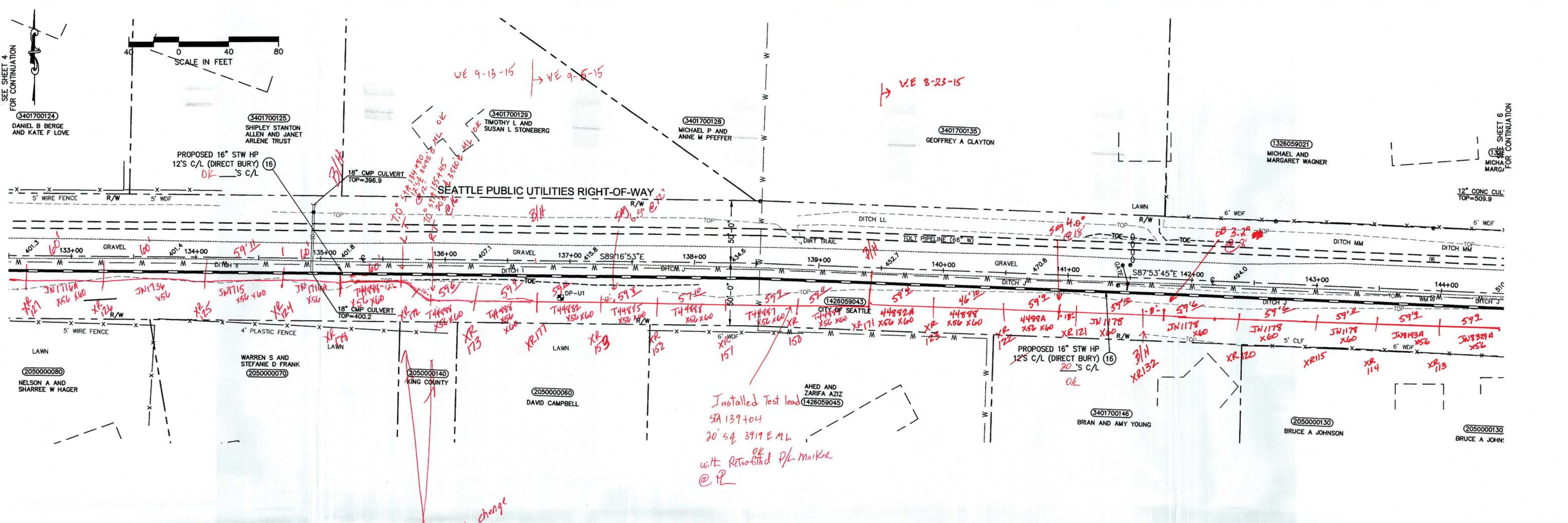
FITTER'S CHECKLIST (CHECK BOX TO CONFIRM COMPLETION)

- INSPECTED STEEL AND PE PIPE PER GOS 2450.1400 AND 2450.1500.
- REVIEWED AND COMPLIED WITH ALL CONSTRUCTION NOTES.
- RECORDED ALL REQUIRED INFORMATION ON THE AS-BUILT PER GOS 2500.1700.
- COMPLETED POST INSTALLATION INSPECTION PER GOS 2525.1200 AND 2525.2700.
- LEFT THE WORK AREA IN A CLEAN AND SAFE CONDITION.

FOREMAN'S SIGNATURE: *[Signature]*
 FOREMAN'S NAME (PRINTED): *Garrett Kalkbrenner*
 FOREMAN'S PRT: *[Signature]* DATE: *10-2-15*

| PROJECT MANAGER CONTACT INFO | | THIS SKETCH NOT TO BE RELIED UPON FOR EXACT LOCATION OF FACILITIES | |
|---|--------------------------|--|--------------------------|
| PATIMA DEJARATH 425-647-7110 CELL PHONE patima.dejarath@pse.com EMAIL | | REAL ESTATE/EASEMENT PERMIT KING COUNTY | |
| FUNCTION | N/A | PROJECT MGR | P. DEJARATH 425-456-2654 |
| ENGINEER | A. STAUFFER 425-456-2722 | DRAWN BY | R. KACIANO 425-462-3975 |
| CHECKED BY | P. DAO 425-462-3913 | APPROVED BY | M. GALLARDO 425-462-3859 |
| EMER SECTION | GAS WK CTR | PLAT MAP | MAPPING |
| OP MAP | 172.080 | JOINT FACILITIES ARRANGEMENTS | |

2 BUSINESS DAYS BEFORE YOU DIG
 CALL (800) 424-6655
 307C-315-402-14.dwg-S04 - Plotted By: mcbain 05/23/15 06:53AM



TRENCH BREAKERS
 INSTALL TRENCH BREAKERS
 AT STA 137+00, 137+50, 138+00,
 139+00, 140+00, 141+00, 142+00 &
 143+00
 PER RIGHT-OF-WAY AND PIPELINE TRENCH
 DRAINAGE DRAWING.
 OK

Note: All 12\"/>

Line of main change
 from 12\"/>

Installed Test lead
 SA 137+04
 20' @ 39.1'E PL
 with Reti-cast PL marker
 @ PL

SEE Sheet #1

| GAS MAIN PRESSURE AND TESTING | | | |
|--|-------------------------------|------------------------------|--|
| TEST TYPE | <input type="checkbox"/> SOAP | <input type="checkbox"/> AIR | <input type="checkbox"/> NITROGEN <input type="checkbox"/> WATER |
| DATE ON | START TIME | TESTED BY | |
| DATE OFF | STOP TIME | | |
| PRESSURE | TEST RESULTS | P | F |
| TEST TYPE | <input type="checkbox"/> SOAP | <input type="checkbox"/> AIR | <input type="checkbox"/> NITROGEN <input type="checkbox"/> WATER |
| DATE ON | START TIME | TESTED BY | |
| DATE OFF | STOP TIME | | |
| PRESSURE | TEST RESULTS | P | F |
| <input type="checkbox"/> TESTED BY PSE PRESSURE CONTROL, SEE FORM 1928 <input type="checkbox"/> PSEIN PRESS. SYSTEM MAP#1 | | | |
| 2023 03/10 | | | |

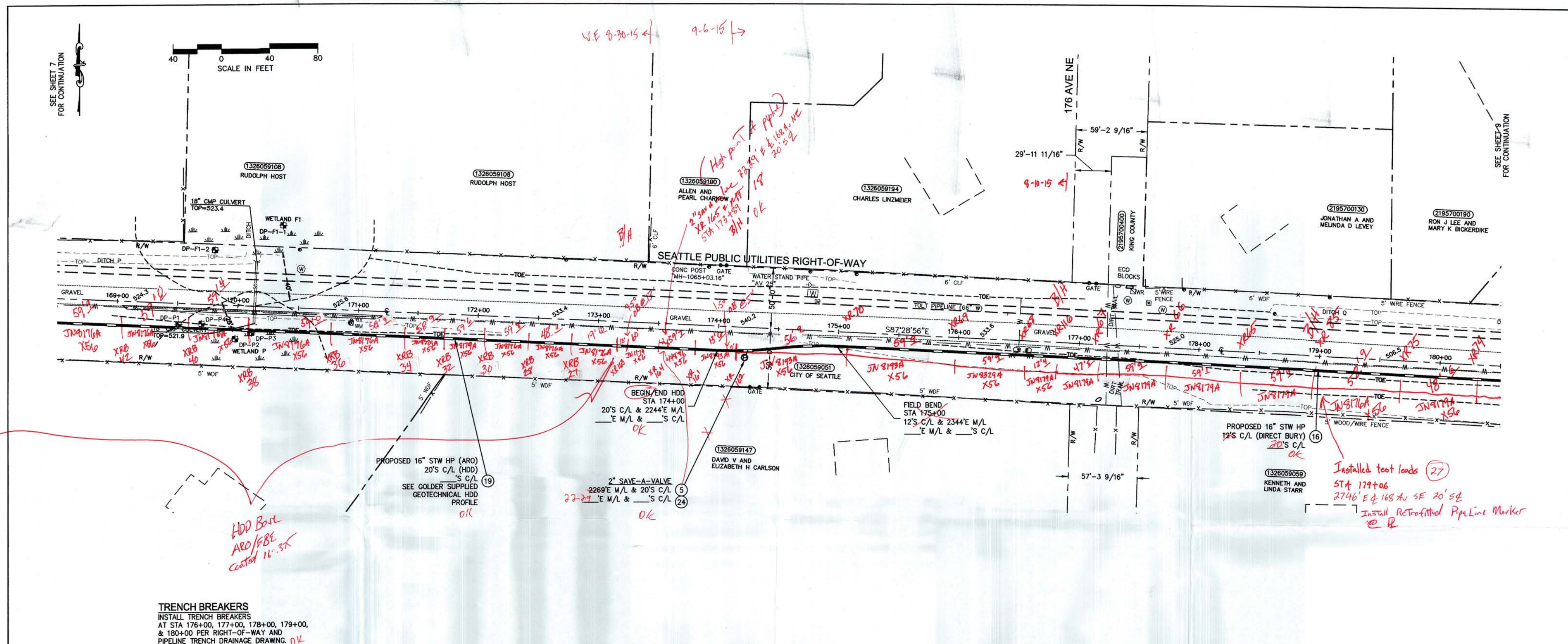
FITTER'S CHECKLIST (CHECK BOX TO CONFIRM COMPLETION)

- INSPECTED STEEL AND PE PIPE PER GOS 2450.1400 AND 2450.1500.
- REVIEWED AND COMPLIED WITH ALL CONSTRUCTION NOTES.
- RECORDED ALL REQUIRED INFORMATION ON THE AS-BUILT PER GOS 2500.1700.
- COMPLETED POST-INSTALLATION INSPECTION PER GOS 2525.1200 AND 2525.2700.
- LEFT THE WORK AREA IN A CLEAN AND SAFE CONDITION.

FOREMAN'S SIGNATURE: *[Signature]*
 FOREMAN'S NAME (PRINTED): *Scott Kalkreuth*
 COMPANY: *Hubbs* DATE: *3-2-23*

| PROJECT MANAGER CONTACT INFO | | THIS SKETCH NOT TO BE RELIED UPON FOR EXACT LOCATION OF FACILITIES | |
|---------------------------------------|-------------------------|--|---------------------------|
| PATIMA DEJARATH | 425-647-7110 CELL PHONE | REAL ESTATE/EASEMENT | PERMIT |
| patima.dejarath@pse.com EMAIL | | | |
| FUNCTION | N/A | PHONE | DATE |
| 3 | -N/A- | PROJECT MGR | P.DEJARATH 425-456-2654 |
| 2 | -N/A- | ENGINEER | A.STAUFFER 425-456-2722 |
| 1 | -N/A- | DRAWN BY | R.NAKANO 425-462-3975 N/A |
| REV # | DATE | CHECKED BY | P.DAO 425-462-3813 |
| COUNTY KING | EMER SECTION | GAS WK CTR | APPROVED BY |
| 1/4 SECTION | OP MAP | PERF012 | CP APP |
| NW 21-26-05 | 172.080 | 174.084 | MAPPING |
| UTILITY JOINT FACILITIES ARRANGEMENTS | | | |

Date: 03/10/23 10:43 AM 3070 - 315 - 202-14-emp-305 - Plotted By: mohan 03/17/23 09:48 AM



NOTE: All 12"/16" SW pipe wrapped with "Tuff Engr" Rock shield (except Road crossing @ 184A, Valve section and HDD runs)

TRENCH BREAKERS
INSTALL TRENCH BREAKERS
AT STA 176+00, 177+00, 178+00, 179+00,
& 180+00 PER RIGHT-OF-WAY AND
PIPELINE TRENCH DRAINAGE DRAWING. *OK*

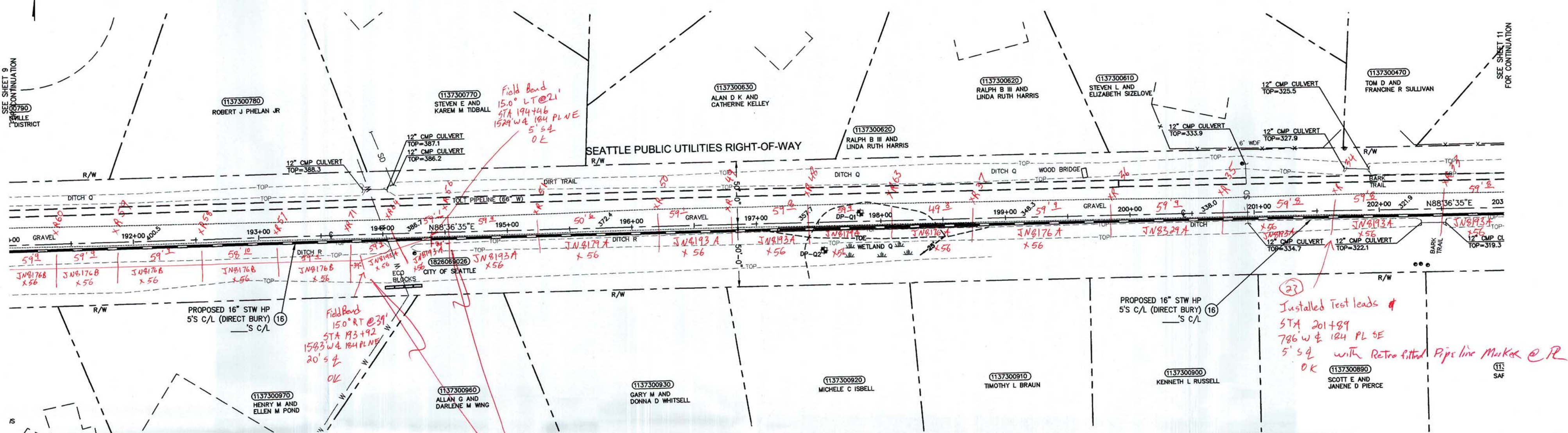
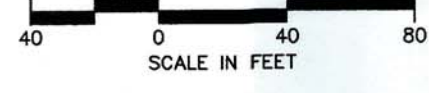
SEE SHEET 3

| GAS MAIN PRESSURE AND TESTING | | | |
|---|-------------------------------|------------------------------|-----------------------------------|
| TEST TYPE | <input type="checkbox"/> SOAP | <input type="checkbox"/> AIR | <input type="checkbox"/> NITROGEN |
| DATE ON | START TIME | STOP TIME | TESTED BY |
| DATE OFF | START TIME | STOP TIME | TESTED BY |
| PRESSURE | TEST RESULTS | P | F |
| TEST TYPE | <input type="checkbox"/> SOAP | <input type="checkbox"/> AIR | <input type="checkbox"/> NITROGEN |
| DATE ON | START TIME | STOP TIME | TESTED BY |
| DATE OFF | START TIME | STOP TIME | TESTED BY |
| PRESSURE | TEST RESULTS | P | F |
| TESTED BY PSE PRESSURE CONTROL, SEE FORM 1928 | | | |
| DESIGN PRESS 2023 03/10 | | | |

| FITTER'S CHECKLIST (CHECK BOX TO CONFIRM COMPLETION) | |
|--|---|
| <input type="checkbox"/> | INSPECTED STEEL AND PE PIPE PER GOS 2450.1400 AND 2450.1500. |
| <input type="checkbox"/> | REVIEWED AND COMPLIED WITH ALL CONSTRUCTION NOTES. |
| <input type="checkbox"/> | RECORDED ALL REQUIRED INFORMATION ON THE AS-BUILT PER GOS 2500.1700. |
| <input type="checkbox"/> | COMPLETED POST INSTALLATION INSPECTION PER GOS 2525.1200 AND 2525.2700. |
| <input type="checkbox"/> | LEFT THE WORK AREA IN A CLEAN AND SAFE CONDITION. |
| FOREMAN'S SIGNATURE: <i>[Signature]</i> | |
| FOREMAN'S NAME (PRINTED): <i>Scott Kalderson</i> | |

| PROJECT MANAGER CONTACT INFO | | THIS SKETCH NOT TO BE RELED UPON FOR EXACT LOCATION OF FACILITIES | |
|--|--------------|---|--------------------|
| PATIMA DEJARATH 425-647-7110 CELL PHONE patima.dejarath@psse.com EMAIL | | REAL ESTATE/EASEMENT | PERMIT |
| | | KING COUNTY | |
| 3 | N/A - N/A | PROJECT MGR | P. DEJARATH |
| 2 | N/A - N/A | ENGINEER | A. STAUFFER |
| 1 | N/A - N/A | DRAWN BY | R. NAKANO |
| REV # | DATE | BY | DESCRIPTION |
| | | | CHECKED BY: P. DAD |
| COUNTY | EMER SECTION | GAS WK CTR | APPROVED BY |
| KING | 082 | PERP0012 | M. GALLARDO |
| T/A SECTION | CP MAP | PLAT MAP | |
| NW 21-26-05 | 172.080 | 174.084 | MAPPING |
| JOINT FACILITIES ARRANGEMENTS | | | |

see m:\msh\msh\3158\1010-315-01-14.dwg - Plotted By: mshon 06/27/15 10:30AM



TRENCH BREAKERS
 INSTALL TRENCH BREAKERS
 AT STA 192+00, 194+00, 196+00,
 198+00, 200+00, & 202+00 FEET
 RIGHT-OF-WAY AND PIPELINE TRENCH
 DRAINAGE DRAWING.

NOTE: All 12" / 16" SW pipes installed/wrapped in
 "Thuff Enough" Rock Shield.
 (except road crossing @ 184 RL, valve sections
 and HDD Bore)

*Int. at main change
 from
 20" to 18" 5' 50"*

*Installed Test leads #
 STA 201+89
 786 w/ 184 PL 4E
 5' 5" with Retro-fitted Pipe line Marker @ R*

See Sheet 1

| GAS MAIN PRESSURE AND TESTING | | | |
|-------------------------------|-------------------------------|------------------------------|-----------------------------------|
| TEST TYPE | <input type="checkbox"/> SOAP | <input type="checkbox"/> AIR | <input type="checkbox"/> NITROGEN |
| DATE ON | START TIME | STOP TIME | TESTED BY |
| DATE OFF | START TIME | STOP TIME | TESTED BY |
| PRESSURE | TEST RESULTS | P | F |
| TEST TYPE | <input type="checkbox"/> SOAP | <input type="checkbox"/> AIR | <input type="checkbox"/> NITROGEN |
| DATE ON | START TIME | STOP TIME | TESTED BY |
| DATE OFF | START TIME | STOP TIME | TESTED BY |
| PRESSURE | TEST RESULTS | P | F |
| TESTED BY | PSE PRESSURE CONTROL | SEE FORM 1928 | |
| DESIGN PRESS | SYSTEM MAP | | |
| 2023 03/10 | | | |

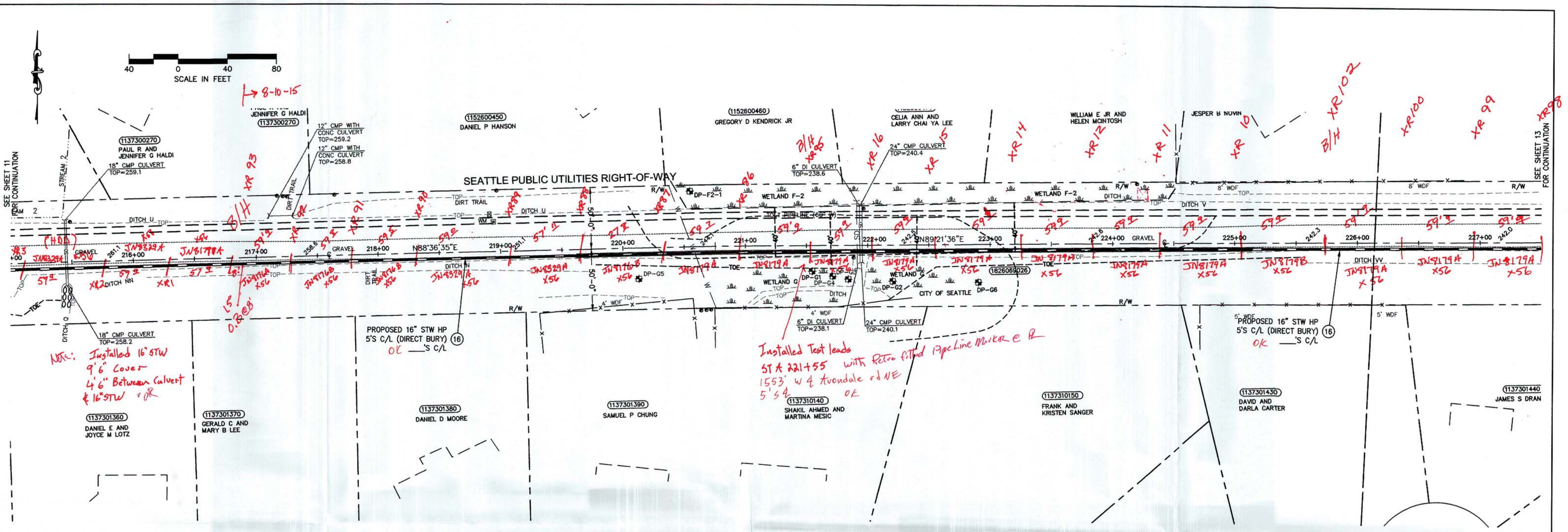
FITTER'S CHECKLIST (CHECK BOX TO CONFIRM COMPLETION)

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- REVIEWED AND COMPLIED WITH ALL CONSTRUCTION NOTES.
- RECORDED ALL REQUIRED INFORMATION ON THE AS-BUILT PER GOS 2500.1700.
- COMPLETED POST INSTALLATION INSPECTION PER GOS 2525.1200 AND 2525.2700.
- LEFT THE WORK AREA IN A CLEAN AND SAFE CONDITION.

FORMAN'S SIGNATURE: *[Signature]*
 FORMAN'S NAME (PRINTED): *Scott Kelder*
 COMPANY: *MJL* DATE: *10-2-15*

| PROJECT MANAGER CONTACT INFO | | THIS SKETCH NOT TO BE RELIED UPON FOR EXACT LOCATION OF FACILITIES | |
|---------------------------------------|-------------------------|--|---------------------------------|
| PATIMA DEJARATH | 425-647-7110 CELL PHONE | REAL ESTATE/EASEMENT | PERMIT KING COUNTY |
| patima.dejarath@psu.com EMAIL | | FUNCTION | NAME PHONE |
| 3 | -N/A- N/A | PROJECT MGR | P. DEJARATH 425-456-2854 |
| 2 | -N/A- N/A | ENGINEER | A. STAUFFER 425-456-2722 |
| 1 | -N/A- N/A | DRAWN BY | R. KAKANO 425-462-3975 N/A |
| REV # | DATE BY DESCRIPTION | CHECKED BY | P. DAO 425-462-3953 |
| COUNTY | EMER SECTION | GAS WK CTR | APPROVED BY |
| RING | 082 | PIRPO012 | CP APP M. GALLARDO 425-462-3859 |
| 1/4 SECTION | OP MAP | PLAT MAP | MAPPING |
| NW 21-26-05 | 172.080 | 174.084 | |
| UTILITY JOINT FACILITIES ARRANGEMENTS | | | |

11/15/2023 10:00AM - Plotted By: mcdonnell 06/19/23 10:00AM



See Sheet 1

| GAS MAIN PRESSURE AND TESTING | | | |
|-------------------------------|-------------------------------|------------------------------|-----------------------------------|
| TEST TYPE | <input type="checkbox"/> SOAP | <input type="checkbox"/> AIR | <input type="checkbox"/> NITROGEN |
| DATE ON | START TIME | TESTED BY | |
| DATE OFF | STOP TIME | | |
| PRESSURE | TEST RESULTS | P | F |
| TEST TYPE | <input type="checkbox"/> SOAP | <input type="checkbox"/> AIR | <input type="checkbox"/> NITROGEN |
| DATE ON | START TIME | TESTED BY | |
| DATE OFF | STOP TIME | | |
| PRESSURE | TEST RESULTS | P | F |
| PERSON PRESS | SYSTEM MAP | | |

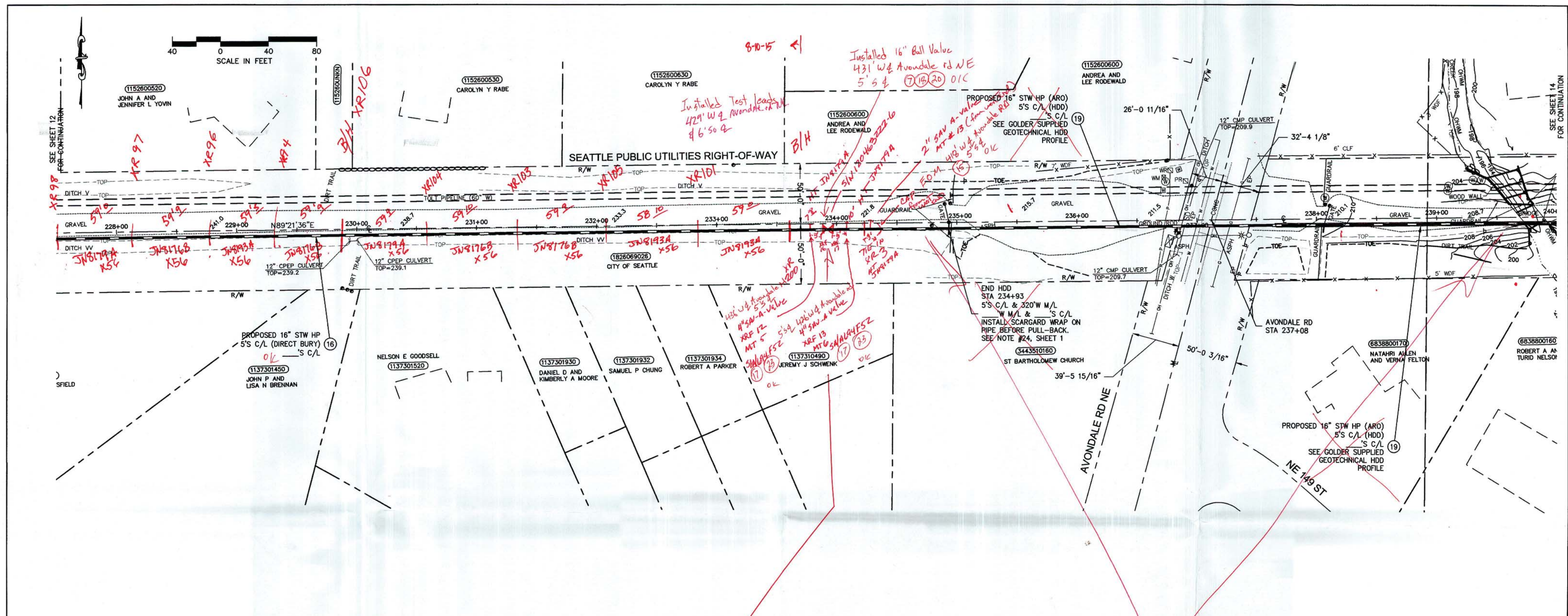
FITTER'S CHECKLIST (CHECK BOX TO CONFIRM COMPLETION)

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- REVIEWED AND COMPLIED WITH ALL CONSTRUCTION NOTES.
- RECORDED ALL REQUIRED INFORMATION ON THE AS-BUILT PER GOS 2500.1700.
- COMPLETED POST INSTALLATION INSPECTION PER GOS 2525.1200 AND 2525.2700.
- LEFT THE WORK AREA IN A CLEAN AND SAFE CONDITION.

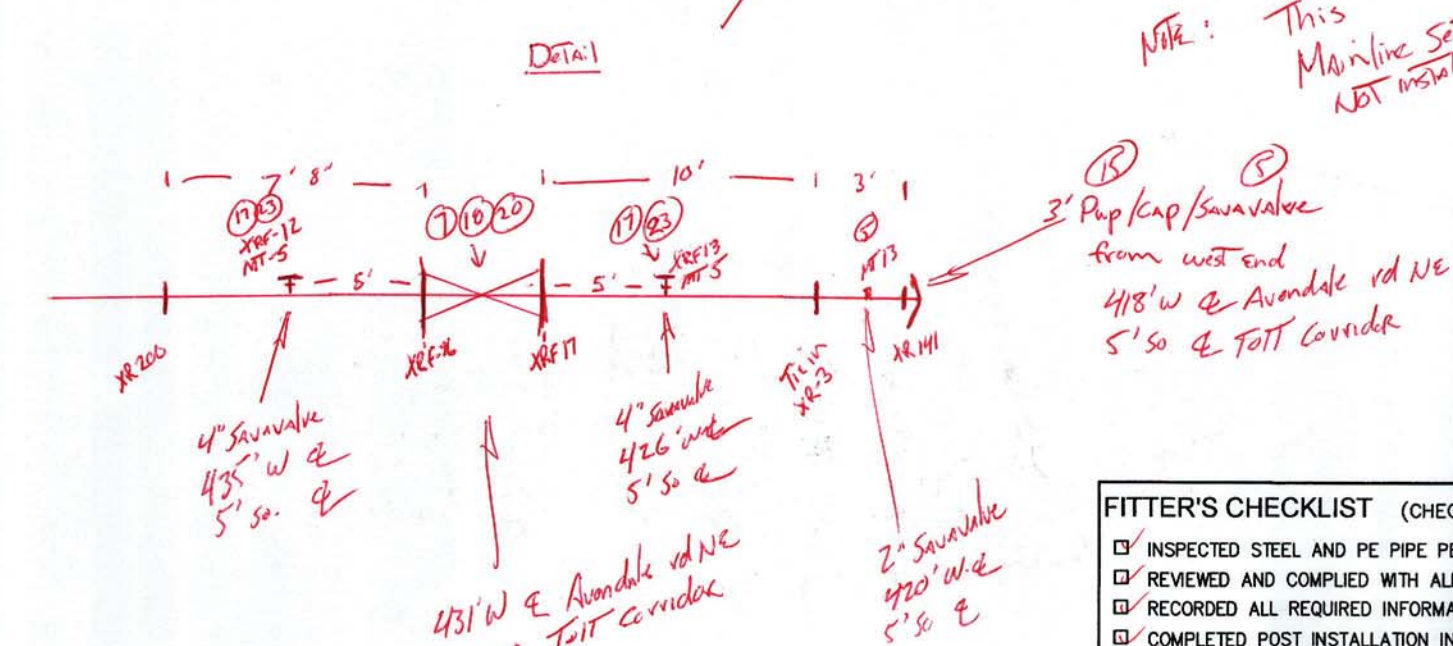
FOREMAN'S SIGNATURE: *[Signature]*
 FOREMAN'S NAME (PRINTED): *Carroll Kelderman*
 COMPANY: *W. Healy* DATE: *04/23/15*

| PROJECT MANAGER CONTACT INFO | | 2 BUSINESS DAYS BEFORE YOU DIG | |
|------------------------------|-------------------------|--|--------------|
| PATMA DEJARATH | 425-647-7110 CELL PHONE | THIS SKETCH NOT TO BE RELIED UPON FOR EXACT LOCATION OF FACILITIES | |
| patma.dejarath@psc.com EMAIL | | REAL ESTATE/EASEMENT | PERMIT |
| | | N/A | KING COUNTY |
| 3 | N/A | N/A | N/A |
| 2 | N/A | N/A | N/A |
| 1 | N/A | N/A | N/A |
| REV # | DATE | BY | DESCRIPTION |
| | | | |
| COUNTY | EMER SECTION | GAS WK CTR | APPROVED BY |
| KING | 082 | PGRPC012 | M.GALLARDO |
| 174 SECTION | DP MAP | CP APP | 425-462-3859 |
| NW 21-26-05 | 172.080 | PLAT MAP | |
| | | MAPPING | |
| | | JOINT FACILITIES ARRANGEMENTS | |

SEE SHEET 11 FOR CONTINUATION
 SEE SHEET 13 FOR CONTINUATION
 PLOTTED BY: modan 07/27/15 06:55AM



NOTE: All 12"/16" STW pipes wrapped in "Tuff enough" Rock Shield.
 (Except - road crossing @ 194th St, valve sections and HDD Bore)



NOTE: This Manhole Section NOT installed on this phase

See Sheet 1

| GAS MAIN PRESSURE AND TESTING | | | | | |
|-------------------------------|-------------------------------|------------------------------|-----------------------------------|--------------------------------|--|
| TEST TYPE | <input type="checkbox"/> SOAP | <input type="checkbox"/> AIR | <input type="checkbox"/> NITROGEN | <input type="checkbox"/> WATER | |
| DATE ON | START TIME | STOP TIME | TESTED BY | | |
| DATE OFF | | | | | |
| PRESSURE | TEST RESULTS | P | C | F | |
| TEST TYPE | <input type="checkbox"/> SOAP | <input type="checkbox"/> AIR | <input type="checkbox"/> NITROGEN | <input type="checkbox"/> WATER | |
| DATE ON | START TIME | STOP TIME | TESTED BY | | |
| DATE OFF | | | | | |
| PRESSURE | TEST RESULTS | P | C | F | |
| TESTED BY | PSE | PRESSURE CONTROL | SEE FORM 1928 | | |
| DESIGN PRESS | | | | | |
| 2023 | 03/10 | | | | |

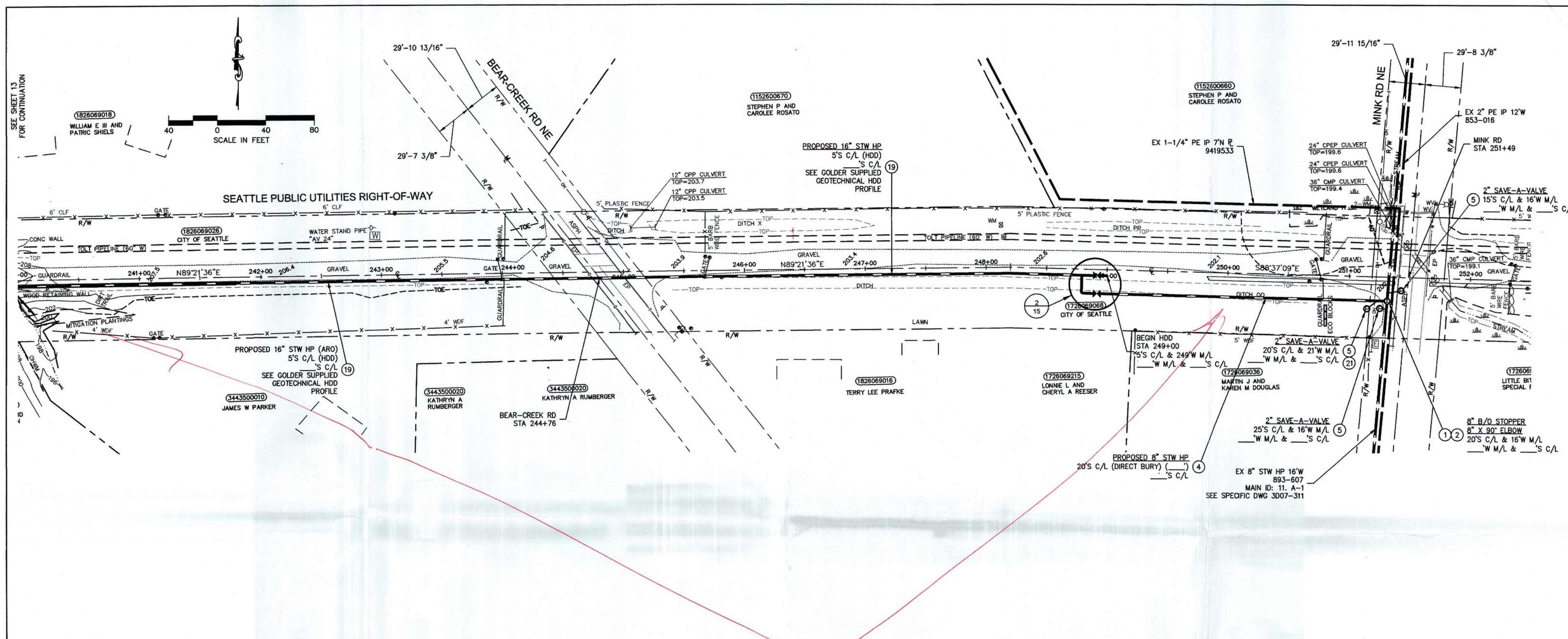
FITTER'S CHECKLIST (CHECK BOX TO CONFIRM COMPLETION)

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- REVIEWED AND COMPLIED WITH ALL CONSTRUCTION NOTES.
- RECORDED ALL REQUIRED INFORMATION ON THE AS-BUILT PER GOS 2500.1700.
- COMPLETED POST INSTALLATION INSPECTION PER GOS 2525.1200 AND 2525.2700.
- LEFT THE WORK AREA IN A CLEAN AND SAFE CONDITION.

FOREMAN'S SIGNATURE: _____
 FOREMAN'S NAME (PRINTED): _____
 COMPANY: _____

| PROJECT MANAGER CONTACT INFO | | | | THIS SKETCH NOT TO BE RELIED UPON FOR EXACT LOCATION OF FACILITIES | | | |
|--|--------------|------------|-------------------------------|--|--------------|--------------|-----|
| PATIMA DEJARATH 425-647-7110 CELL PHONE patima.dejarath@se.com EMAIL | | | | REAL ESTATE/EASEMENT PERMIT | | | |
| | | | | FUNCTION NAME PHONE DATE | | | |
| 3 | N/A | N/A | N/A | PROJECT MGR | P. DEJARATH | 425-647-7110 | |
| 2 | N/A | N/A | N/A | ENGINEER | A. STAFFER | 425-456-2722 | |
| 1 | N/A | N/A | N/A | DRAWN BY | R. NAKANO | 425-462-3975 | N/A |
| REV # | DATE | BY | DESCRIPTION | CHECKED BY | P. DAD | 425-462-3975 | |
| COUNTY | EMER SECTION | GAS WK CTR | APPROVED BY | | | | |
| HOB | 082 | PIRCP022 | CP APP | M. GALLARDO | 425-462-3859 | | |
| 1/4 SECTION | OP MAP | PLAT MAP | MAPPING | | | | |
| NW 21-28-05 | 172.080 | 174.084 | JOINT FACILITIES ARRANGEMENTS | | | | |
| UTILITY | | | | | | | |

2 BUSINESS DAYS BEFORE YOU DIG CALL (800) 424-6553
 2023 03/10 - Printed By: mcdonnell 06/23/10 08:56AM



NOTE: Not completed on this phase

(No work done on this sheet)

| GAS MAIN PRESSURE AND TESTING | | | |
|--|-------------------------------|------------------------------|--|
| TEST TYPE | <input type="checkbox"/> SOAP | <input type="checkbox"/> AIR | <input type="checkbox"/> NITROGEN <input type="checkbox"/> WATER |
| DATE ON | START TIME | STOP TIME | TESTED BY |
| DATE OFF | START TIME | STOP TIME | TESTED BY |
| PRESSURE | TEST RESULTS | P <input type="checkbox"/> F | |
| TEST TYPE | <input type="checkbox"/> SOAP | <input type="checkbox"/> AIR | <input type="checkbox"/> NITROGEN <input type="checkbox"/> WATER |
| DATE ON | START TIME | STOP TIME | TESTED BY |
| DATE OFF | START TIME | STOP TIME | TESTED BY |
| PRESSURE | TEST RESULTS | P <input type="checkbox"/> F | |
| <input type="checkbox"/> TESTED BY PSE PRESSURE CONTROL, SEE FORM 1928 | | | |
| DESIGN PRESS: SYSTEM MAP | | | |
| 2023 03/10 | | | |

FITTER'S CHECKLIST (CHECK BOX TO CONFIRM COMPLETION)

- INSPECTED STEEL AND PE PIPE PER GOS 2450.1400 AND 2450.1500.
- REVIEWED AND COMPLIED WITH ALL CONSTRUCTION NOTES.
- RECORDED ALL REQUIRED INFORMATION ON THE AS-BUILT PER GOS 2500.1700.
- COMPLETED POST INSTALLATION INSPECTION PER GOS 2525.1200 AND 2525.2700.
- LEFT THE WORK AREA IN A CLEAN AND SAFE CONDITION.

FOREMAN'S SIGNATURE: _____

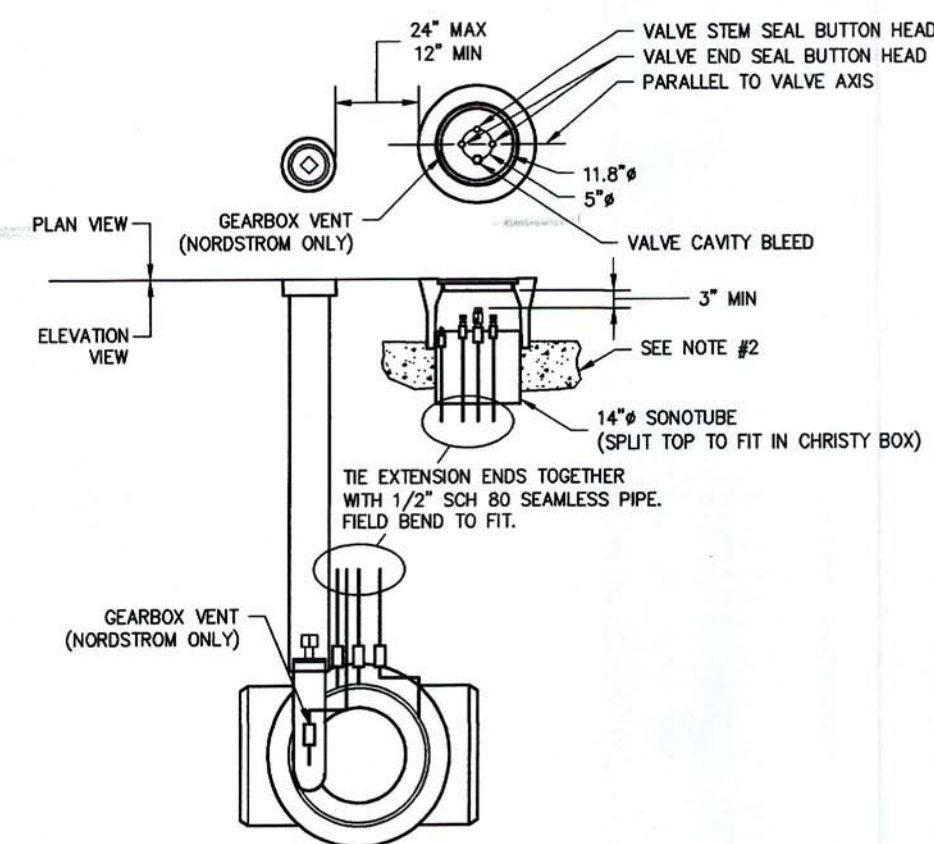
FOREMAN'S NAME (PRINTED): _____

COMPANY: _____

DATE: _____

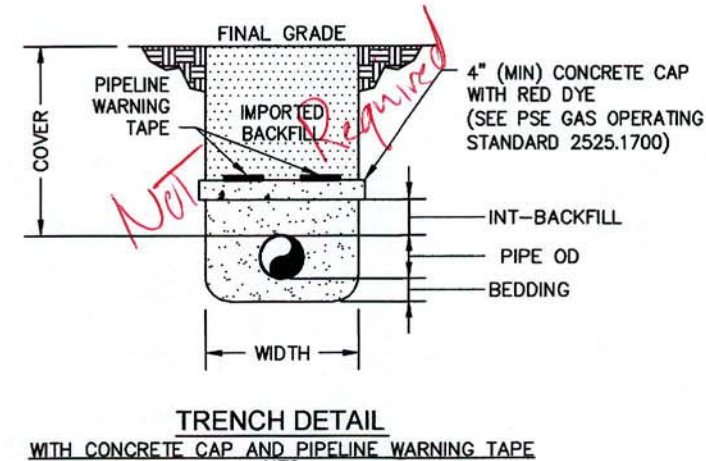
| PROJECT MANAGER CONTACT INFO | | THIS SKETCH NOT TO BE RELIED UPON FOR EXACT LOCATION OF FACILITIES | |
|---|---------------------|--|-------------------------|
| PATIMA DEJARATH 425-647-7110 CELL PHONE patima.dejarath@pac.com EMAIL | | REAL ESTATE/EASEMENT | PERMIT |
| | | NAME | KING COUNTY |
| | | PHONE | |
| 3 | -N/A- N/A | PROJECT MGR | P.DEJARATH 425-456-2654 |
| 2 | -N/A- N/A | ENGINEER | A.STAUFFER 425-456-2722 |
| 1 | -N/A- N/A | DRAWN BY | R.MAKANG 425-462-3975 |
| REV # | DATE BY DESCRIPTION | CHECKED BY | P.DA0 425-462-3813 |
| COUNTY | EMER SECTION | GAS WK CTR | APPROVED BY |
| NOG | 082 | POPPO2 | CP APP |
| 1/4 SECTION | OP MAP | PLAT MAP | M.GALLARDO 425-462-3899 |
| NW 21-26-05 | 172.080 | 174.084 | MAPPING |
| UTILITY JOINT FACILITIES ARRANGEMENTS | | | |

2 BUSINESS DAYS BEFORE YOU DIG
 CALL (800) 424-6888
 2023 03/10 08:57AM
 P:\00000000\172.080\174.084.dwg - P:\00000000\172.080\174.084.dwg - P:\00000000\172.080\174.084.dwg - P:\00000000\172.080\174.084.dwg

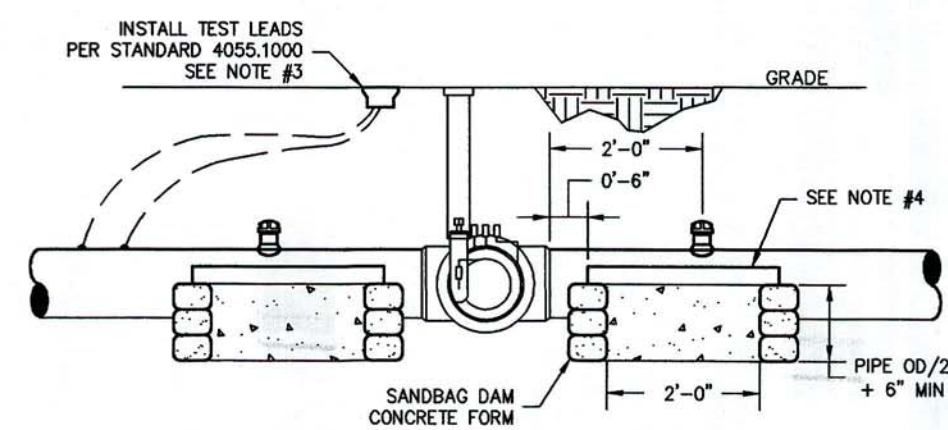


CHRISTY VALVE BOX DETAIL *OK*
NTS

- COMPACT DIRT UNDER BOX TO 95%
- FOR INSTALLATIONS UNDER DRIVEN SURFACES, A CONCRETE SUPPORT SHALL BE POURED IN PLACE. THE SUPPORT SHALL BE A MINIMUM OF 4 INCHES WIDE AND 4 INCHES TALL, AND SHALL BE PREVENTED FROM CONTACTING EXTENSION RISERS. CONCRETE SHALL BE PER PSE SPECIFICATIONS 1275.1130 OR 1275.1140.
- TERMINATIONS IN VALVE BOX TO BE ORIENTED VERTICALLY, WITH NO PERCEPTIBLE TILT.
- MINIMUM CLEARANCES OF EXTENSIONS IN VAULT:
 - 3" BELOW BOTTOM OF VAULT LID
 - 2" BETWEEN ANY TWO EXTENSIONS
 - 2" BETWEEN ANY EXTENSION (EXCEPT GEARBOX VENT) AND VAULT WALL.
 - NO CLEARANCE REQUIRED BETWEEN GEARBOX VENT AND VAULT WALL.
- VALVE CAVITY BLEED TO BE WELDED.



TRENCH DETAIL *OK*
NTS WITH CONCRETE CAP AND PIPELINE WARNING TAPE



MAIN BLOCK VALVE INSTALLATION *OK*
NTS

- SCOPE: THIS STANDARD DETAIL SHALL APPLY TO INSTALLATIONS OF 6" TO 16" ANSI 300 AND 600 FULL-OPENING WELD-END BALL VALVES FOR BURIED APPLICATIONS.
- MAXIMUM ALLOWABLE WALL MISMATCH FOR WELDING IS 3/32", IF NECESSARY, TAPER BORE END(S) OF PIPE PER ANSI/ASME B31.8, APPENDIX I, FIG 1 (B) TO GET WITHIN TOLERANCE.
- INSTALL CATHODIC PROTECTION TEST STATION PER GAS STANDARD 4055.1000, TEST STATIONS, FIGURE 1 CP TEST STATION TWO (2)-WIRE WITH DROP TUBE.
- INSTALL FIBERGLASS REINFORCED PLASTIC (FRP) SHIELD AT LOCATIONS OF CONCRETE VALVE SUPPORTS PER GAS FIELD PROCEDURE 4510.1220, INSTALLING FIBERGLASS REINFORCED PLASTIC (FRP) SHIELDS. ROCK SHIELDS MAY BE USED AS AN ALTERNATIVE TO FRP SHIELDS. INSTALL ROCK SHIELD PER GAS STANDARD 2525.1800, BACKFILL FOR PIPELINES.
- DURING OR PRIOR TO VALVE INSTALLATION, REMOVE STANDARD GREASE FITTING AND INSTALL APPROPRIATE LENGTH EXTENDED GREASE PIPE USING 1/2" SCHEDULE 80 PIPE AND FITTINGS. REUSE STANDARD GREASE FITTING AT TOP OF EXTENDED GREASE PIPE AND TERMINATE FITTINGS 4" BELOW TEST LEAD BOX LID, COAT PIPE WITH FIELD COATING, PER GAS OPERATING STANDARD 2500.1100.
- PSE PRESSURE CONTROL TO PACK GREASE EXTENSION BEFORE VALVE IS BACKFILLED.
- POUR CONCRETE VALVE SUPPORTS AFTER VALVE HAS BEEN WELDED TO MAN. IF DITCH IS WIDER THAN 24", USE SAND BAGS FOR SIDE BARRIERS. SUPPORTS TO BE POURED ON SOIL COMPACTED TO 95% DENSITY.

See sheet #1

| GAS MAIN PRESSURE AND TESTING | | | | | |
|-------------------------------|--|------------------------------|-----------------------------------|--------------------------------|--|
| TEST TYPE | <input type="checkbox"/> SOAP | <input type="checkbox"/> AIR | <input type="checkbox"/> NITROGEN | <input type="checkbox"/> WATER | |
| DATE ON | /// | START TIME | /// | TESTED BY | |
| DATE OFF | /// | STOP TIME | /// | | |
| PRESSURE | | BEST RESULTS | <input type="checkbox"/> P | <input type="checkbox"/> F | |
| TEST TYPE | <input type="checkbox"/> SOAP | <input type="checkbox"/> AIR | <input type="checkbox"/> NITROGEN | <input type="checkbox"/> WATER | |
| DATE ON | /// | START TIME | /// | TESTED BY | |
| DATE OFF | /// | STOP TIME | /// | | |
| PRESSURE | | BEST RESULTS | <input type="checkbox"/> P | <input type="checkbox"/> F | |
| DESIGN PRESS | <input type="checkbox"/> TESTED BY PSE PRESSURE CONTROL, SEE FORM 1928 | | | | |
| 2023 03/10 | SYSTEM MAP | | | | |

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- LEFT THE WORK AREA IN A CLEAN AND SAFE CONDITION.

FOREMAN'S SIGNATURE: *[Signature]*

FOREMAN'S NAME (PRINTED): *Garrett Kaldeman*

COMPANY: *P. Nichols* DATE: *10-2-15*

| PROJECT MANAGER CONTACT INFO | | THIS SKETCH NOT TO BE RELIED UPON FOR EXACT LOCATION OF FACILITIES | |
|-------------------------------|-------------------------|--|--------------------------|
| PATMA DEJARATH | 425-647-7110 CELL PHONE | REAL ESTATE/EASEMENT | PERMIT |
| patma.dejarath@pse.com | EMAIL | N/A | N/A |
| 3 | PROJECT MGR | P. DEJARATH | 425-656-2654 |
| 2 | ENGINEER | A. STAUFFER | 425-456-2722 |
| 1 | DRAWN BY | R. NAKANO | 425-462-3975 |
| | CHECKED BY | P. DIAZ | 425-462-3813 |
| REV # | DATE | BY | DESCRIPTION |
| | | | GAS WK CTR |
| COUNTY | EMER SECTION | APPROVED BY | |
| CLING | 082 | CP APP | M. GALLARDO 425-462-3859 |
| 1/4 SECTION | CP MAP | PLAT MAP | |
| | 172.092 | MAPPING | |
| JOINT FACILITIES ARRANGEMENTS | | | |

See V:\moham\csm\44338\0310_315_data.dwg - 315 - Plotted By: moham 06/19/10 08:59 AM

