

# EXHIBIT A

## SECTION 17, TOWNSHIP 21 NORTH, RANGE 2 EAST

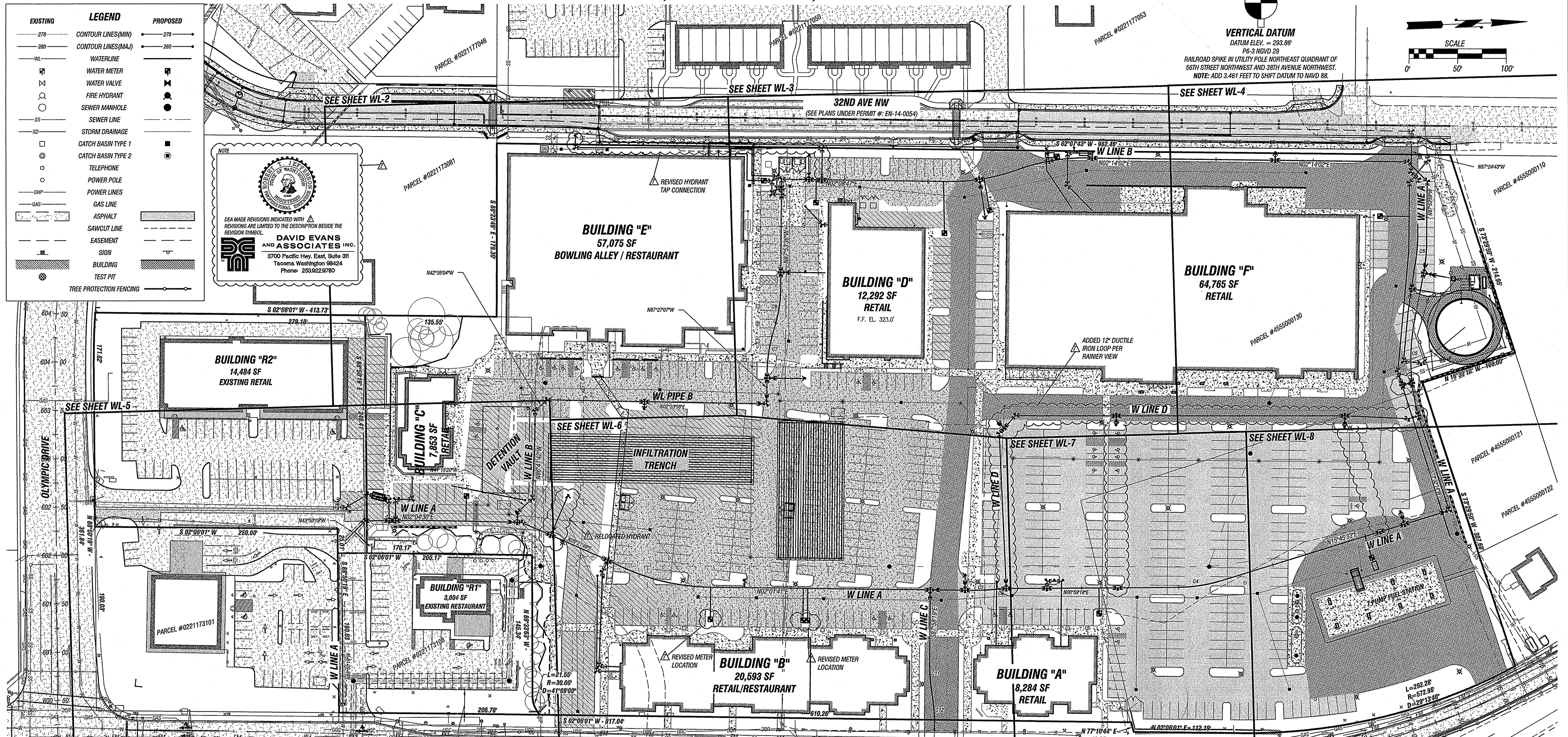
| EXISTING | LEGEND                  | PROPOSED |
|----------|-------------------------|----------|
| 278      | CONTOUR LINES(MIN)      | 278      |
| 280      | CONTOUR LINES(MAJ)      | 280      |
| WL       | WATERLINE               |          |
| ⊕        | WATER METER             |          |
| ⊕        | WATER VALVE             |          |
| ⊕        | FIRE HYDRANT            |          |
| ⊕        | SEWER MANHOLE           |          |
| SS       | SEWER LINE              |          |
| SD       | STORM DRAINAGE          |          |
| □        | CATCH BASIN TYPE 1      |          |
| ⊕        | CATCH BASIN TYPE 2      |          |
| ⊕        | TELEPHONE               |          |
| ⊕        | POWER POLE              |          |
| ⊕        | POWER LINES             |          |
| ⊕        | GAS LINE                |          |
| ⊕        | ASPHALT                 |          |
| ⊕        | SAWCUT LINE             |          |
| ⊕        | EASEMENT                |          |
| ⊕        | SIGN                    |          |
| ⊕        | BUILDING                |          |
| ⊕        | TEST PIT                |          |
| ⊕        | TREE PROTECTION FENCING |          |

NOTE: DEEA MADE REVISIONS INDICATED WITH Δ REVISIONS ARE LIMITED TO THE DESCRIPTION BESIDE THE REVISION SYMBOL.

**DAVID EVANS ASSOCIATES INC.**  
 3700 Pacific Hwy, East, Suite 311  
 Tacoma, Washington 98424  
 Phone: 253.922.9780

**VERTICAL DATUM**  
 DATUM ELEV. = 293.86'  
 P6-3 NGVD 29  
 RAILROAD SPIKE IN UTILITY POLE NORTHEAST QUADRANT OF 56TH STREET NORTHWEST AND 38TH AVENUE NORTHWEST.  
 NOTE: ADD 3.461 FEET TO SHIFT DATUM TO NAVD 88.

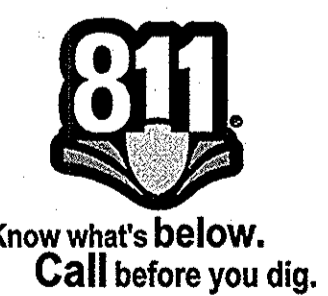
SCALE  
 0' 50' 100'



**CURVE TABLE**

| CURVE | ARC    | RADIUS | DELTA     | PC        | PT        |
|-------|--------|--------|-----------|-----------|-----------|
| C1    | 92.98  | 220.00 | 24°12'59" | 514+74.01 | 515+66.99 |
| C2    | 21.95  | 200.00 | 6°17'21"  | 518+38.95 | 518+60.90 |
| C3    | 11.27  | 200.00 | 3°31'41"  | 518+60.90 | 518+72.16 |
| C4    | 43.95  | 150.00 | 16°47'22" | 520+50.39 | 520+94.35 |
| C5    | 111.55 | 220.00 | 29°03'04" | 524+32.19 | 525+43.74 |
| C6    | 36.61  | 200.00 | 10°29'17" | 525+88.96 | 526+25.57 |
| C7    | 39.05  | 150.00 | 14°54'55" | 553+98.13 | 554+37.18 |
| C8    | 40.18  | 150.00 | 15°20'53" | 554+47.71 | 554+87.90 |
| C9    | 72.72  | 200.00 | 20°50'01" | 557+71.16 | 558+43.88 |
| C10   | 73.03  | 200.00 | 20°55'16" | 558+43.88 | 559+16.91 |

*R. D. D.*  
 DESIGN APPROVAL, DATE 6-14-16  
 RAINIER VIEW WATER COMPANY



REVISIONS

| NO. | DATE      | DESCRIPTION                                                                                   |
|-----|-----------|-----------------------------------------------------------------------------------------------|
| 1   | 6/13/2016 | REVISED BY DAVID EVANS AND ASSOCIATES PER RAINIER VIEW WATER COMPANY COMMENTS DATED 6/13/2016 |

**PacWest Engineering, LLC**  
 10209 Bridgeport Way SW, Suite C-1  
 Lakewood, WA 98499  
 Phone (253) 830-5960  
 Fax (253) 830-5999

DESIGNED BY: **D. SMITH**  
 DRAWN BY: **M. RUETTIGERS**  
 CHECKED BY: **B. SMITH**  
 APPROVED BY: **B. SMITH**  
 SCALE: **1" = 50'**  
 OTHER:

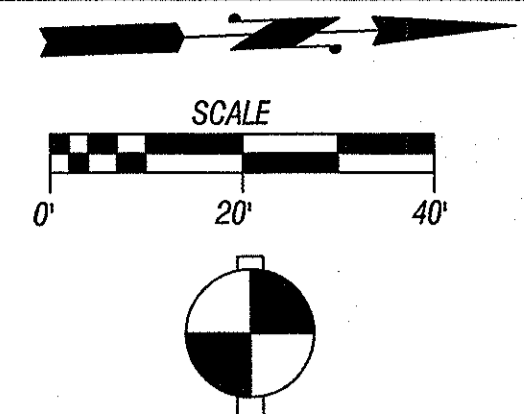
**OLYMPIC TOWNE CENTER**

**FINAL**  
**WATER MAIN SITE PLAN/INDEX SHEET**

**EN-14-0128**  
 DRAWING NO. **09-536E-WLCOVER**  
 SHEET 31 OF 52  
**WL-1**

# EXHIBIT A

## SECTION 17, TOWNSHIP 21 NORTH, RANGE 2 EAST



**VERTICAL DATUM**  
DATUM ELEV. = 293.86'

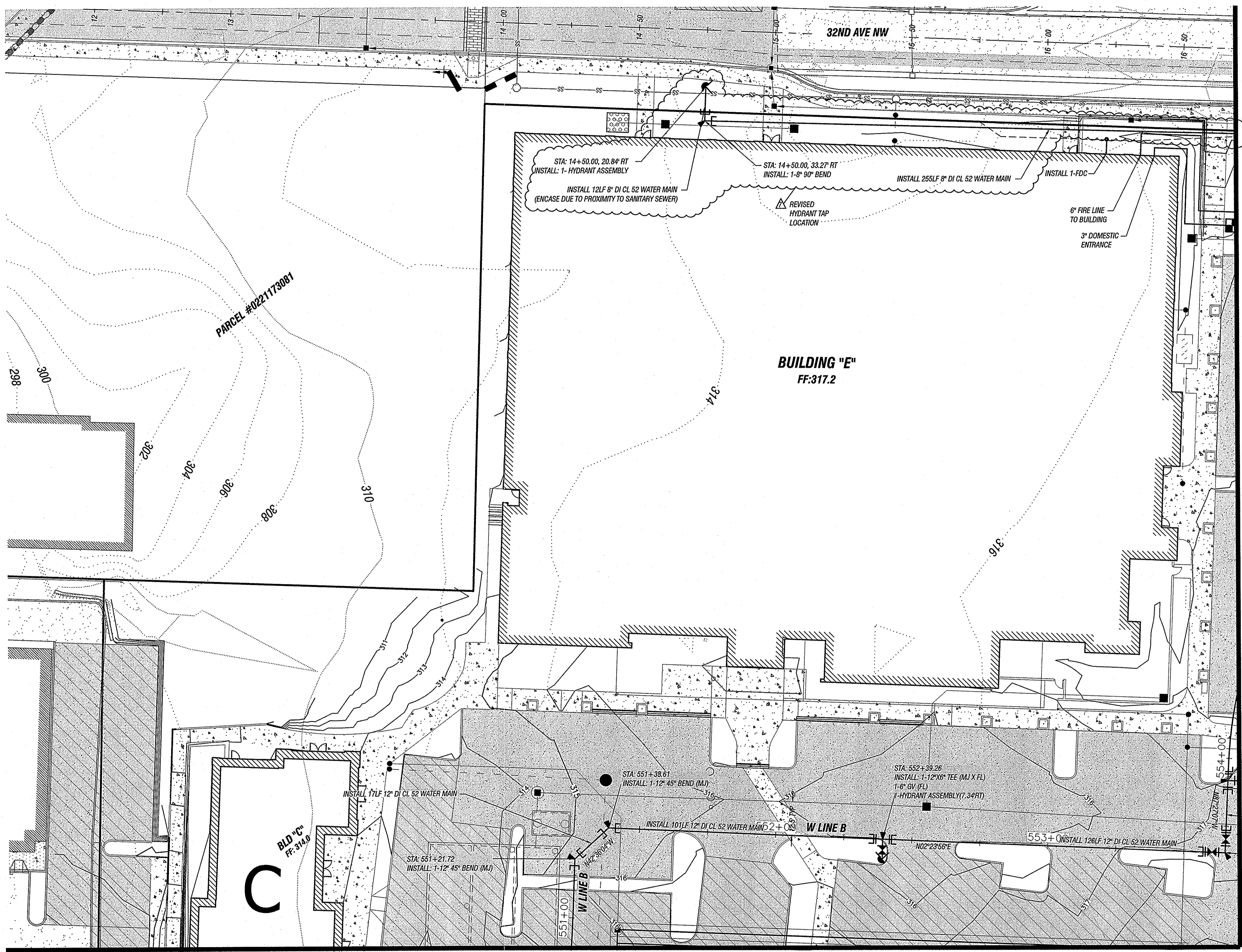
RAILROAD SPIKE IN UTILITY POLE NORTHEAST QUADRANT OF 56TH STREET  
NORTHWEST AND 38TH AVENUE NORTHWEST.  
NOTE: ADD 3.461 FEET TO SHIFT DATUM TO NAVD 88.

**NOTES:**

- CONTINUATION OF 6" FIRE LINE TO BE CONSTRUCTED PER ARCHITECTURAL PLANS
- ALL WATER MAIN AND APPURTENANCES TO BE INSTALLED PER RAINIERVIEW WATER COMPANY STANDARDS
- ALL WATER AND NON POTABLE CROSSING OF LESS THEN 18", A 20" STICK OF DUCTILE IRON WATERMAIN SHALL BE CENTERED AT THE CROSSING LOCATION. THE NON POTABLE PIPE SHALL ALSO BE LAID SO THAT THE DISTANCE BETWEEN THE J JOINTS AND CROSSING IS MAXIMIZE.
- COORDINATE WITH ARCHITECTURAL/PLUMBING PLANS ON LOCATIONS/SIZE OF SERVICE LINE TO BUILDING.

NOTE: DEA MADE REVISIONS INDICATED WITH REVISION SYMBOL. REVISIONS ARE LIMITED TO THE DESCRIPTION BESIDE THE REVISION SYMBOL.

**DAVID EVANS AND ASSOCIATES INC.**  
3700 Pacific Hwy. East, Suite 311  
Tacoma, Washington 98424  
Phone: 253.922.9790



SEE W-3 FOR CONTINUATION

SEE W-5 FOR CONTINUATION

SEE W-6 FOR CONTINUATION

| EXISTING  | LEGEND                  | PROPOSED  |
|-----------|-------------------------|-----------|
| ---278--- | CONTOUR LINES (MIN)     | ---278--- |
| ---280--- | CONTOUR LINES (MAJ)     | ---280--- |
| —WL—      | WATERLINE               | —WL—      |
| ⊠         | WATER METER             | ⊠         |
| ⊕         | WATER VALVE             | ⊕         |
| ⊙         | FIRE HYDRANT            | ⊙         |
| ○         | SEWER MANHOLE           | ●         |
| —SS—      | SEWER LINE              | —SS—      |
| —SD—      | STORM DRAINAGE          | —SD—      |
| □         | CATCH BASIN TYPE 1      | ■         |
| ⊙         | CATCH BASIN TYPE 2      | ●         |
| □         | TELEPHONE               | □         |
| ○         | POWER POLE              | ○         |
| —OWP—     | POWER LINES             | —OWP—     |
| —GAS—     | GAS LINE                | —GAS—     |
| ▨         | ASPHALT                 | ▨         |
| ---       | SAWCUT LINE             | ---       |
| ---       | EASEMENT                | ---       |
| ---       | SIGN                    | ---       |
| ▨         | BUILDING                | ▨         |
| ⊙         | TEST PIT                | ⊙         |
| ⊕         | TREE PROTECTION FENCING | ⊕         |

*[Signature]*  
DESIGN APPROVAL, DATE 6-14-16  
RAINIER VIEW WATER COMPANY



| REVISIONS                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------|
| REVISOR: [Symbol] REVISION: REVISED BY DAVID EVANS AND ASSOCIATES PER RAINIER VIEW COMMENTS 6/2016 DATE: 6/2016 |

**PACWEST ENGINEERING, LLC**  
10209 Bridgeport Way SW, Suite C-1  
Lakewood, WA 98499  
Phone (253) 830-5960  
Fax (253) 830-5999

DESIGNED BY: **D. SMITH**  
DRAWN BY: **M. RUETTIGERS**  
CHECKED BY: **B. SMITH**  
APPROVED BY: **B. SMITH**  
SCALE: **1" = 20'**  
OTHER:

**OLYMPIC TOWNE CENTER**

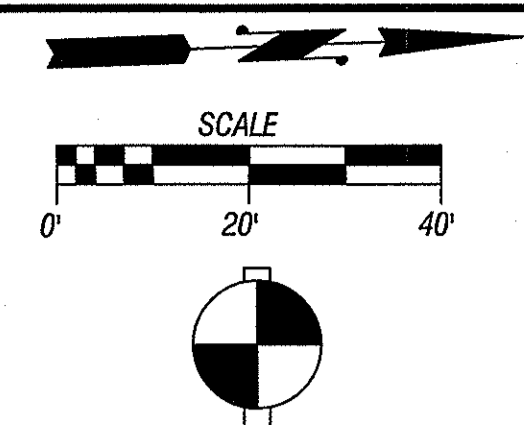
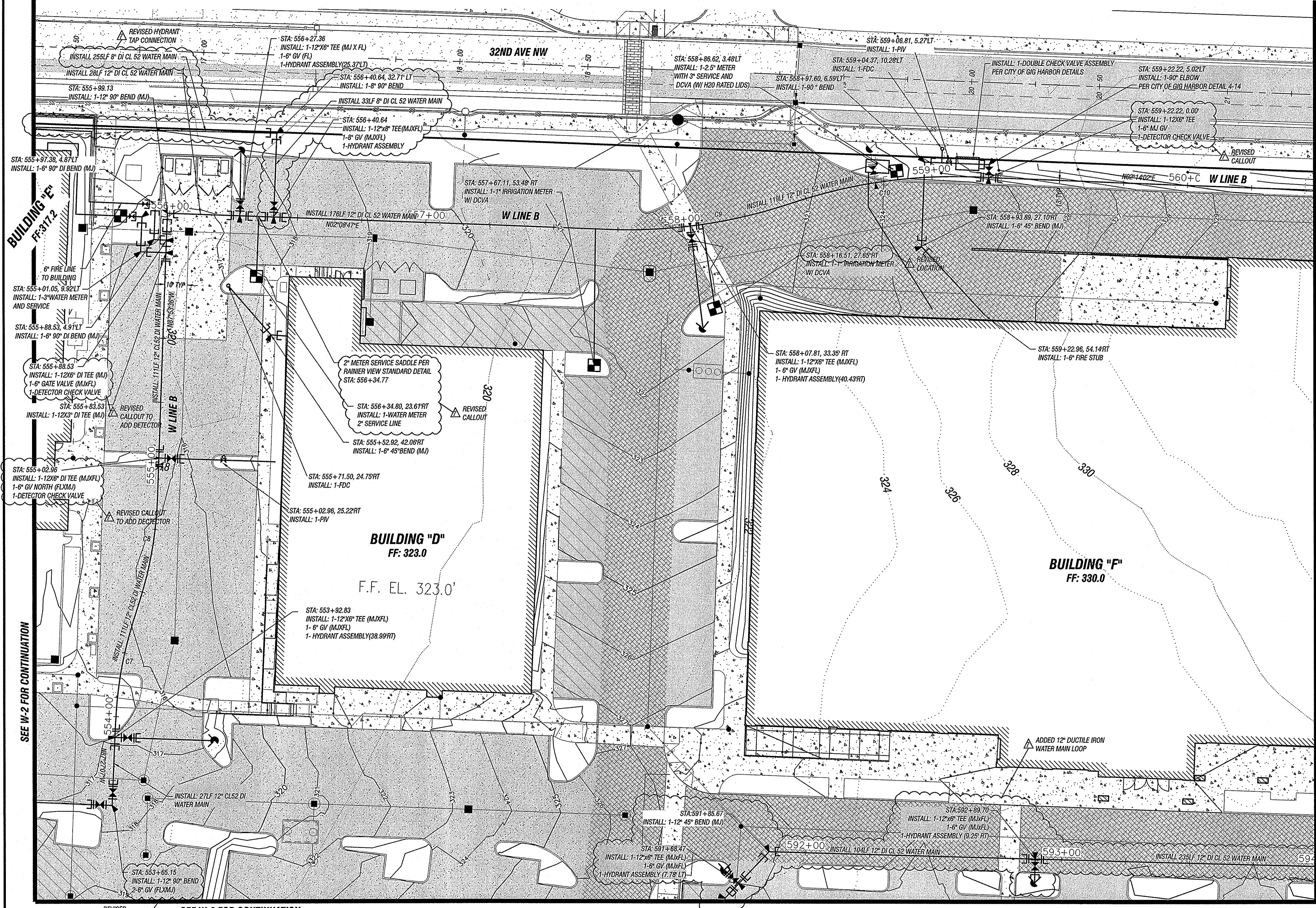
**FINAL**  
**WATER PLAN 1**

**EN-14-0128**  
DRAWING NO. **09-536E-WL**  
SHEET 32 OF 52  
**WL-2**



# EXHIBIT A

## SECTION 17, TOWNSHIP 21 NORTH, RANGE 2 EAST



**NOTES:**

- CONTINUATION OF 6" FIRE LINE TO BE CONSTRUCTED PER ARCHITECTURAL PLANS
- ALL WATER MAIN AND APPURTENANCES TO BE INSTALLED PER RAINIER VIEW WATER COMPANY STANDARDS
- ALL WATER AND NON POTABLE CROSSING OF LESS THEN 18", A 20" STICK OF DUCTILE IRON WATERMAIN SHALL BE CENTERED AT THE CROSSING LOCATION. THE NON POTABLE PIPE SHALL ALSO BE LAID SO THAT THE DISTANCE BETWEEN THE JOINTS AND CROSSING IS MAXIMIZE.
- COORDINATE WITH ARCHITECTURAL/PLUMBING PLANS ON LOCATIONS/SIZE OF SERVICE LINE TO BUILDING.

**CURVE TABLE:**

| CURVE | ARC   | RADIUS | DELTA     | PC        | PT        |
|-------|-------|--------|-----------|-----------|-----------|
| C7    | 39.05 | 150.00 | 14°54'55" | 553+98.13 | 554+37.18 |
| C8    | 40.18 | 150.00 | 15°20'53" | 554+47.71 | 554+87.90 |
| C9    | 72.72 | 200.00 | 20°50'01" | 557+71.16 | 558+43.88 |
| C10   | 73.03 | 200.00 | 20°59'16" | 558+43.88 | 559+16.91 |

NOTE

DAVID EVANS AND ASSOCIATES, INC.  
3700 Pacific Hwy, East, Suite 311  
Tacoma Washington 98424  
Phone: 2539229780

| EXISTING                | LEGEND                  | PROPOSED                |
|-------------------------|-------------------------|-------------------------|
| ---278---               | CONTOUR LINES(MIN)      | ---278---               |
| ---280---               | CONTOUR LINES(MAJ)      | ---280---               |
| WL                      | WATERLINE               | WL                      |
| ⊕                       | WATER METER             | ⊕                       |
| ⊕                       | WATER VALVE             | ⊕                       |
| ⊕                       | FIRE HYDRANT            | ⊕                       |
| ○                       | SEWER MANHOLE           | ●                       |
| SS                      | SEWER LINE              | SS                      |
| SD                      | STORM DRAINAGE          | SD                      |
| □                       | CATCH BASIN TYPE 1      | ■                       |
| ⊙                       | CATCH BASIN TYPE 2      | ⊙                       |
| ⊕                       | TELEPHONE               | ⊕                       |
| ⊕                       | POWER POLE              | ⊕                       |
| OHPP                    | POWER LINES             | OHPP                    |
| GAS                     | GAS LINE                | GAS                     |
| ASPH                    | ASPHALT                 | ASPH                    |
| SAWCUT                  | SAWCUT LINE             | SAWCUT                  |
| EASEMENT                | EASEMENT                | EASEMENT                |
| SIGN                    | SIGN                    | SIGN                    |
| BUILDING                | BUILDING                | BUILDING                |
| TEST PIT                | TEST PIT                | TEST PIT                |
| TREE PROTECTION FENCING | TREE PROTECTION FENCING | TREE PROTECTION FENCING |



DESIGN APPROVAL, DATE 6-14-16  
RAINIER VIEW WATER COMPANY

REVISIONS

| NO. | DESCRIPTION                                                                                   | DATE    |
|-----|-----------------------------------------------------------------------------------------------|---------|
| 1   | REVISED BY DAVID EVANS AND ASSOCIATES PER RAINIER VIEW WATER COMPANY COMMENTS DATED 6/13/2016 | 6/20/16 |

**PACWEST ENGINEERING, LLC**  
10209 Bridgeport Way SW, Suite C-1  
Lakewood, WA 98499  
Phone (253) 830-5960  
Fax (253) 830-5999

DESIGNED BY: **D. SMITH**  
DRAWN BY: **M. RUETTIGERS**  
CHECKED BY: **B. SMITH**  
APPROVED BY: **B. SMITH**  
SCALE: **1" = 20'**  
OTHER:

**OLYMPIC TOWNE CENTER**

**FINAL**

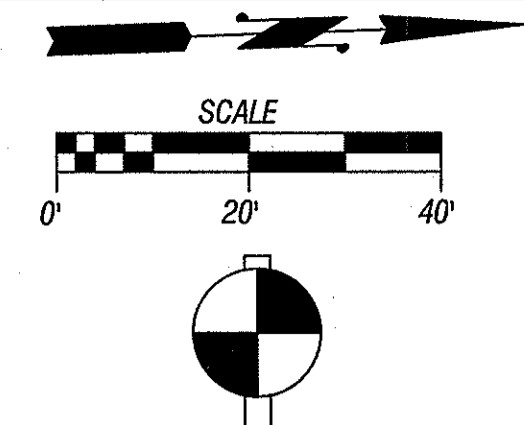
**EN-14-0128**

DRAWING NO.  
**09-536E-WL**

SHEET 33 OF 52  
**WL-3**

# EXHIBIT A

## SECTION 17, TOWNSHIP 21 NORTH, RANGE 2 EAST



**VERTICAL DATUM**  
DATUM ELEV. = 293.86'

P6-3 NGVD 29  
RAILROAD SPIKE IN UTILITY POLE NORTHEAST QUADRANT OF 56TH STREET  
NORTHWEST AND 38TH AVENUE NORTHWEST.  
NOTE: ADD 3.461 FEET TO SHIFT DATUM TO NAVD 88.

**NOTES:**

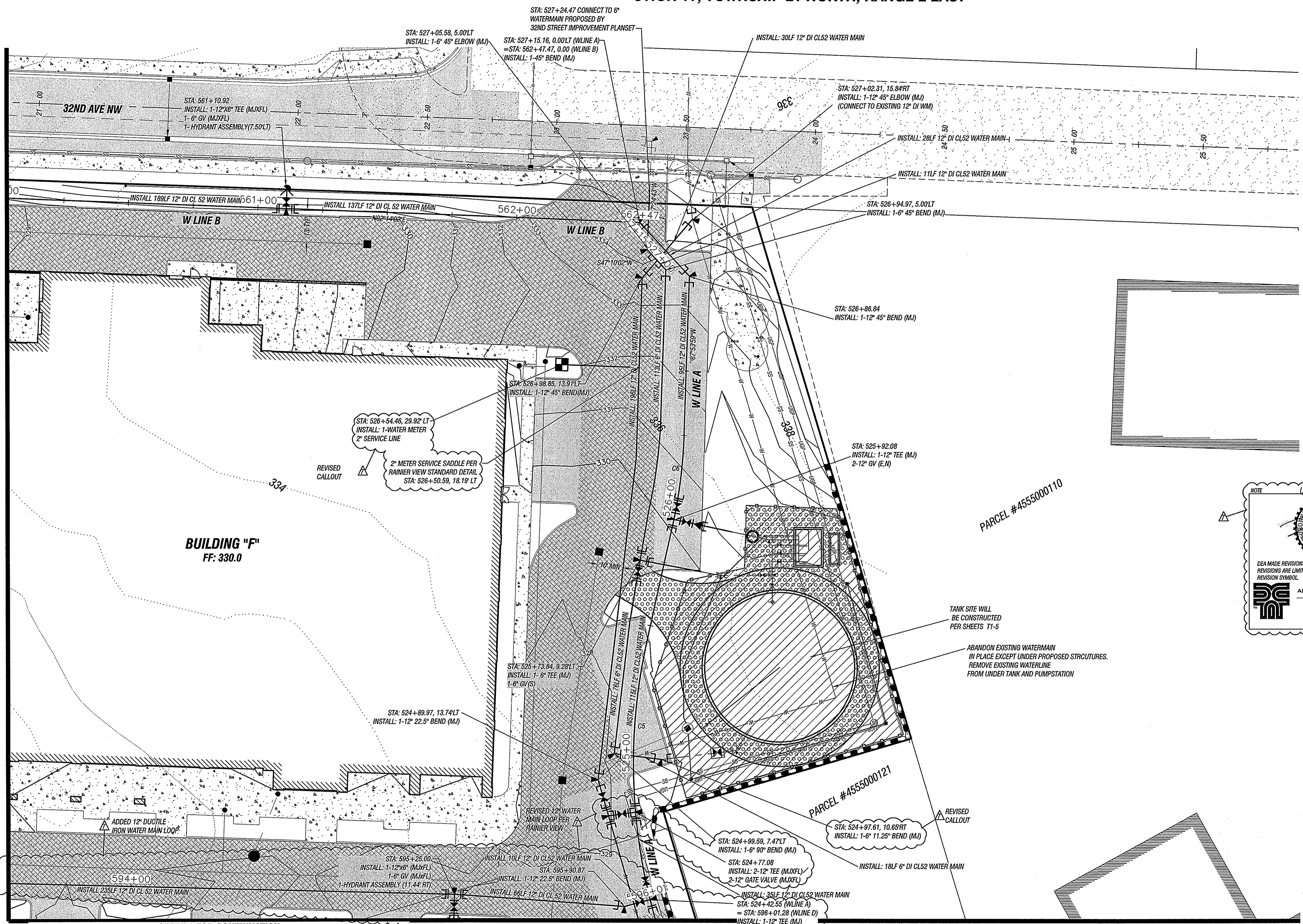
- CONTINUATION OF 6" FIRE LINE TO BE CONSTRUCTED PER ARCHITECTURAL PLANS
- ALL WATER MAIN AND APPURTENANCES TO BE INSTALLED PER RAINIER VIEW WATER COMPANY STANDARDS
- ALL WATER AND NON POTABLE CROSSING OF LESS THEN 18", A 20" STICK OF DUCTILE IRON WATERMAIN SHALL BE CENTERED AT THE CROSSING LOCATION. THE NON POTABLE PIPE SHALL ALSO BE LAID SO THAT THE DISTANCE BETWEEN THE JOINTS AND CROSSING IS MAXIMIZE.
- COORDINATE WITH ARCHITECTURAL/PLUMBING PLANS ON LOCATIONS/SIZE OF SERVICE LINE TO BUILDING.

**CURVE TABLE:**

| CURVE | ARC    | RADIUS | DELTA     | PC        | PT        |
|-------|--------|--------|-----------|-----------|-----------|
| C5    | 111.55 | 220.00 | 23°03'04" | 524+32.19 | 525+43.74 |
| C6    | 36.61  | 200.00 | 10°29'17" | 525+88.96 | 526+25.57 |

SEE W-3 FOR CONTINUATION

SEE W-8 FOR CONTINUATION



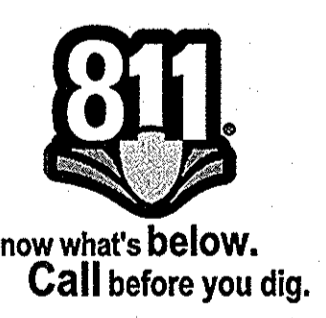
NOTE: DEEA MADE REVISIONS INDICATED WITH REVISIONS ARE LIMITED TO THE DESCRIPTION BESIDE THE REVISION SYMBOL.

**DAVID EVANS AND ASSOCIATES INC.**  
3700 Pacific Hwy, East, Suite 311  
Tacoma Washington 98424  
Phone: 253.922.9790

| EXISTING  | LEGEND                  | PROPOSED  |
|-----------|-------------------------|-----------|
| ---278--- | CONTOUR LINES(MIN)      | ---278--- |
| ---280--- | CONTOUR LINES(MA)       | ---280--- |
| —WL—      | WATERLINE               | —WL—      |
|           | WATER METER             |           |
|           | WATER VALVE             |           |
|           | FIRE HYDRANT            |           |
|           | SEWER MANHOLE           |           |
| —SS—      | SEWER LINE              | —SS—      |
| —SD—      | STORM DRAINAGE          | —SD—      |
|           | CATCH BASIN TYPE 1      |           |
|           | CATCH BASIN TYPE 2      |           |
|           | TELEPHONE               |           |
|           | POWER POLE              |           |
| —GHP—     | POWER LINES             | —GHP—     |
| —GAS—     | GAS LINE                | —GAS—     |
|           | ASPHALT                 |           |
|           | SAWCUT LINE             |           |
| ---       | EASEMENT                | ---       |
|           | SIGN                    |           |
|           | BUILDING                |           |
|           | TEST PIT                |           |
|           | TREE PROTECTION FENCING |           |

TANK SITE WILL BE CONSTRUCTED PER SHEETS T1-5

ABANDON EXISTING WATERMAIN IN PLACE EXCEPT UNDER PROPOSED STRUCTURES. REMOVE EXISTING WATERLINE FROM UNDER TANK AND PUMPSTATION



*David Evans*  
DESIGN APPROVAL, DATE 6-14-16  
RAINIER VIEW WATER COMPANY

| REVISIONS |                                                                                                      |
|-----------|------------------------------------------------------------------------------------------------------|
|           | REVISED BY DAVID EVANS AND ASSOCIATES PER RAINIER VIEW WATER COMPANY COMMENTS DATED 6/13/2016 6/2016 |

**PACWEST ENGINEERING, LLC**  
10209 Bridgeport Way SW, Suite C-1  
Lakewood, WA 98499  
Phone (253) 830-5960  
Fax (253) 830-5999

DESIGNED BY: **D. SMITH**  
DRAWN BY: **M. RUETTIGERS**  
CHECKED BY: **B. SMITH**  
APPROVED BY: **B. SMITH**  
SCALE: **1" = 20'**  
OTHER:

**OLYMPIC TOWNE CENTER**

**FINAL**

**EN-14-0128**

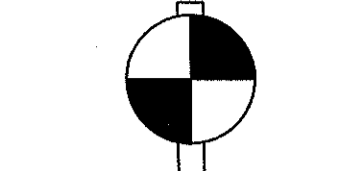
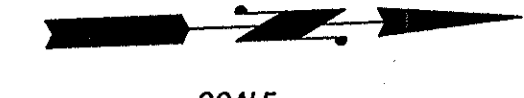
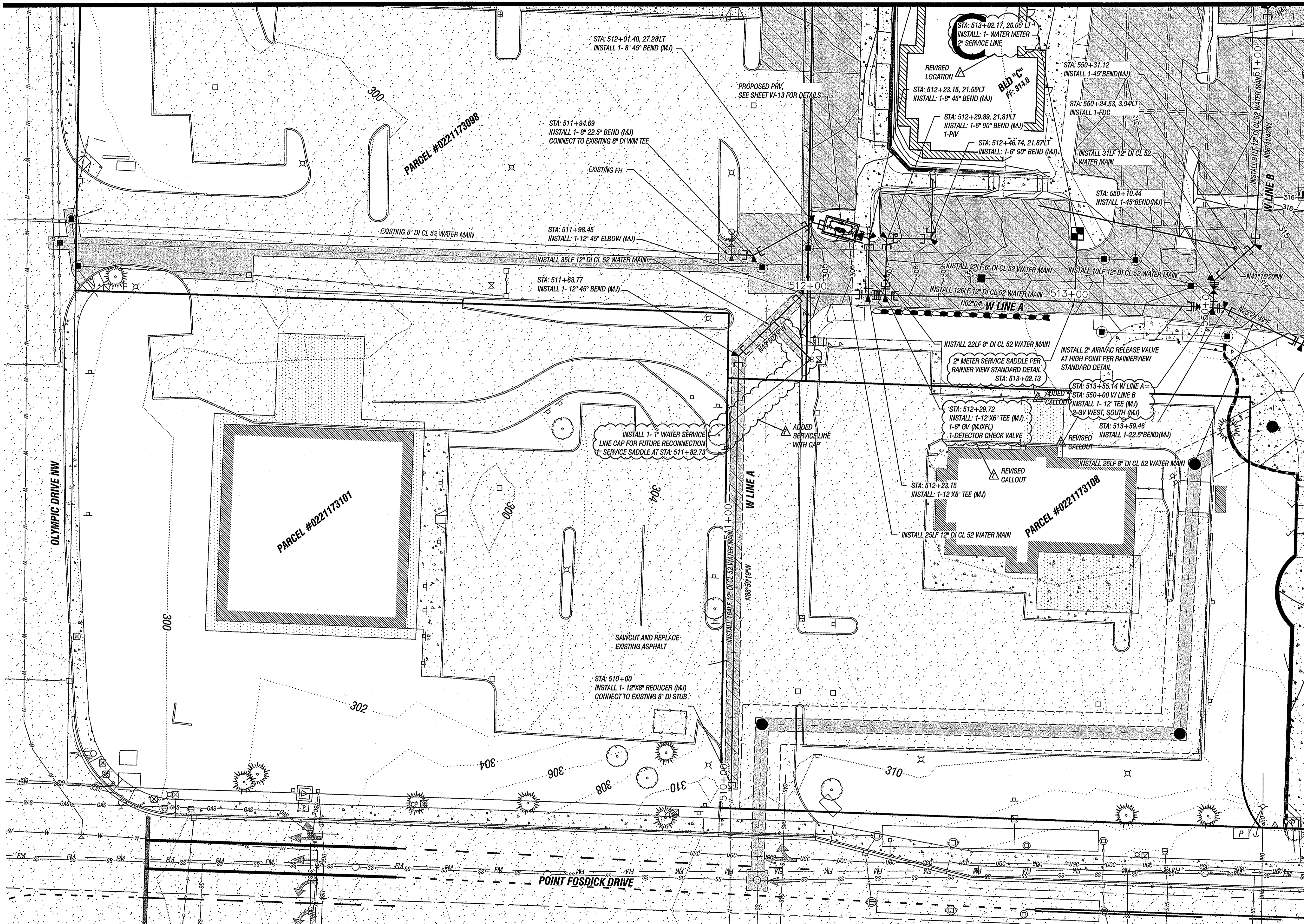
DRAWING NO.  
**09-536E-WL**

SHEET 34 OF 52  
**WL-4**

# EXHIBIT A

## SECTION 17, TOWNSHIP 21 NORTH, RANGE 2 EAST

SEE W-2 FOR CONTINUATION



**VERTICAL DATUM**  
 DATUM ELEV. = 293.86'  
 PG-3 NGVD 29  
 RAILROAD SPIKE IN UTILITY POLE NORTHEAST QUADRANT OF 56TH STREET  
 NORTHWEST AND 38TH AVENUE NORTHWEST.  
 NOTE: ADD 3.461 FEET TO SHIFT DATUM TO NAVD 88.

**NOTES:**  
 -CONTINUATION OF 6" FIRE LINE TO BE CONSTRUCTED PER ARCHITECTURAL PLANS  
 -ALL WATER MAIN AND APPURTENANCES TO BE INSTALLED PER RAINIER VIEW WATER COMPANY STANDARDS  
 -ALL WATER AND NON POTABLE CROSSING OF LESS THEN 18". A 20' STICK OF DUCTILE IRON WATERMAIN SHALL BE CENTERED AT THE CROSSING LOCATION. THE NON POTABLE PIPE SHALL ALSO BE LAID SO THAT THE DISTANCE BETWEEN THE JOINTS AND CROSSING IS MAXIMIZE.  
 -COORDINATE WITH ARCHITECTURAL/PLUMBING PLANS ON LOCATIONS/SIZE OF SERVICE LINE TO BUILDING.

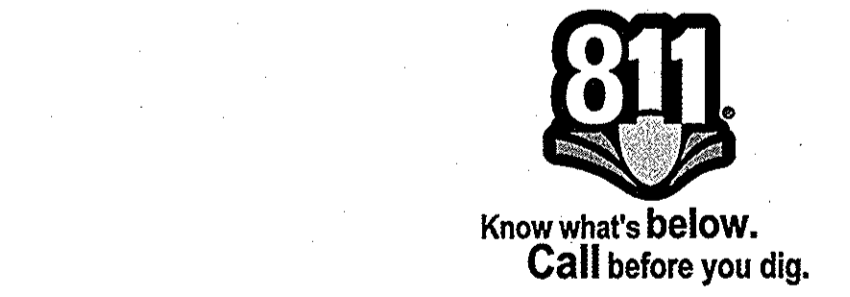
NOTE: 6/14/16

DEA MADE REVISIONS INDICATED WITH   
 REVISIONS ARE LIMITED TO THE DESCRIPTION BESIDE THE REVISION SYMBOL.

**DAVID EVANS AND ASSOCIATES, INC.**  
 3700 Pacific Hwy, East, Suite 811  
 Tacoma, Washington 98424  
 Phone: 253.922.9780

| EXISTING | LEGEND                  | PROPOSED |
|----------|-------------------------|----------|
| 278      | CONTOUR LINES(MIN)      | 278      |
| 280      | CONTOUR LINES(MAJ)      | 280      |
| WL       | WATERLINE               |          |
|          | WATER METER             |          |
|          | WATER VALVE             |          |
|          | FIRE HYDRANT            |          |
|          | SEWER MANHOLE           |          |
| SS       | SEWER LINE              |          |
| SD       | STORM DRAINAGE          |          |
|          | CATCH BASIN TYPE 1      |          |
|          | CATCH BASIN TYPE 2      |          |
|          | TELEPHONE               |          |
|          | POWER POLE              |          |
|          | POWER LINES             |          |
|          | GAS LINE                |          |
|          | ASPHALT                 |          |
|          | SAWCUT LINE             |          |
|          | EASEMENT                |          |
|          | SIGN                    |          |
|          | BUILDING                |          |
|          | TEST PIT                |          |
|          | TREE PROTECTION FENCING |          |

SEE W-6 FOR CONTINUATION



*Phil D. Smith*  
 DESIGN APPROVAL, DATE 6-14-16  
 RAINIER VIEW WATER COMPANY

| REVISIONS |                                                                                                      |
|-----------|------------------------------------------------------------------------------------------------------|
|           | REVISED BY DAVID EVANS AND ASSOCIATES PER RAINIER VIEW WATER COMPANY COMMENTS DATED 6/13/2016 6/2016 |
|           |                                                                                                      |
|           |                                                                                                      |

**PacWest Engineering, LLC**  
 10209 Bridgeport Way SW, Suite C-1  
 Lakewood, WA 98499  
 Phone (253) 830-5960  
 Fax (253) 830-5999

|              |               |
|--------------|---------------|
| DESIGNED BY: | D. SMITH      |
| DRAWN BY:    | M. RUETTIGERS |
| CHECKED BY:  | B. SMITH      |
| APPROVED BY: | B. SMITH      |
| SCALE:       | 1" = 20'      |
| OTHER:       |               |

**OLYMPIC TOWNE CENTER**

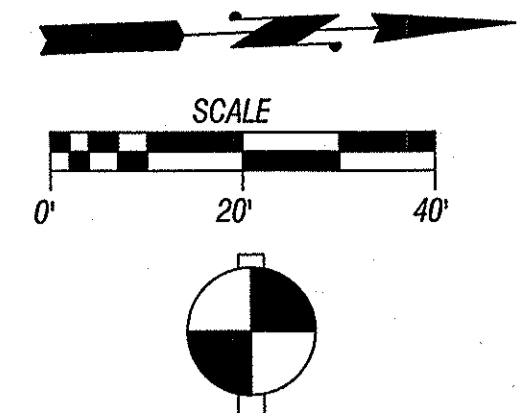
|                     |                                  |
|---------------------|----------------------------------|
| <b>FINAL</b>        | <b>EN-14-0128</b>                |
| <b>WATER PLAN 4</b> | DRAWING NO.<br><b>09-536E-WL</b> |
|                     | SHEET 35 OF 52<br><b>WL-5</b>    |

# EXHIBIT A

SEE W-2 FOR CONTINUATION

SECTION 17, TOWNSHIP 21 NORTH, RANGE 2 EAST

SEE W-3 FOR CONTINUATION



**VERTICAL DATUM**  
DATUM ELEV. = 293.86'  
PG-3 NGV D 29

RAILROAD SPIKE IN UTILITY POLE, NORTHEAST QUADRANT OF 56TH STREET  
NORTHWEST AND 38TH AVENUE, NORTHWEST.  
NOTE: ADD 3.461 FEET TO SHIFT DATUM TO NAVD 88.

**NOTES:**

- CONTINUATION OF 6" FIRE LINE TO BE CONSTRUCTED PER ARCHITECTURAL PLANS
- ALL WATER MAIN AND APPURTENANCES TO BE INSTALLED PER RAINIERVIEW WATER COMPANY STANDARDS
- ALL WATER AND NON POTABLE CROSSING OF LESS THEN 18", A 20" STICK OF DUCTILE IRON WATERMAIN SHALL BE CENTERED AT THE CROSSING LOCATION. THE NON POTABLE PIPE SHALL ALSO BE LAID SO THAT THE DISTANCE BETWEEN THE JOINTS AND CROSSING IS MAXIMIZE.
- COORDINATE WITH ARCHITECTURAL/PLUMBING PLANS ON LOCATIONS/SIZE OF SERVICE LINE TO BUILDING.

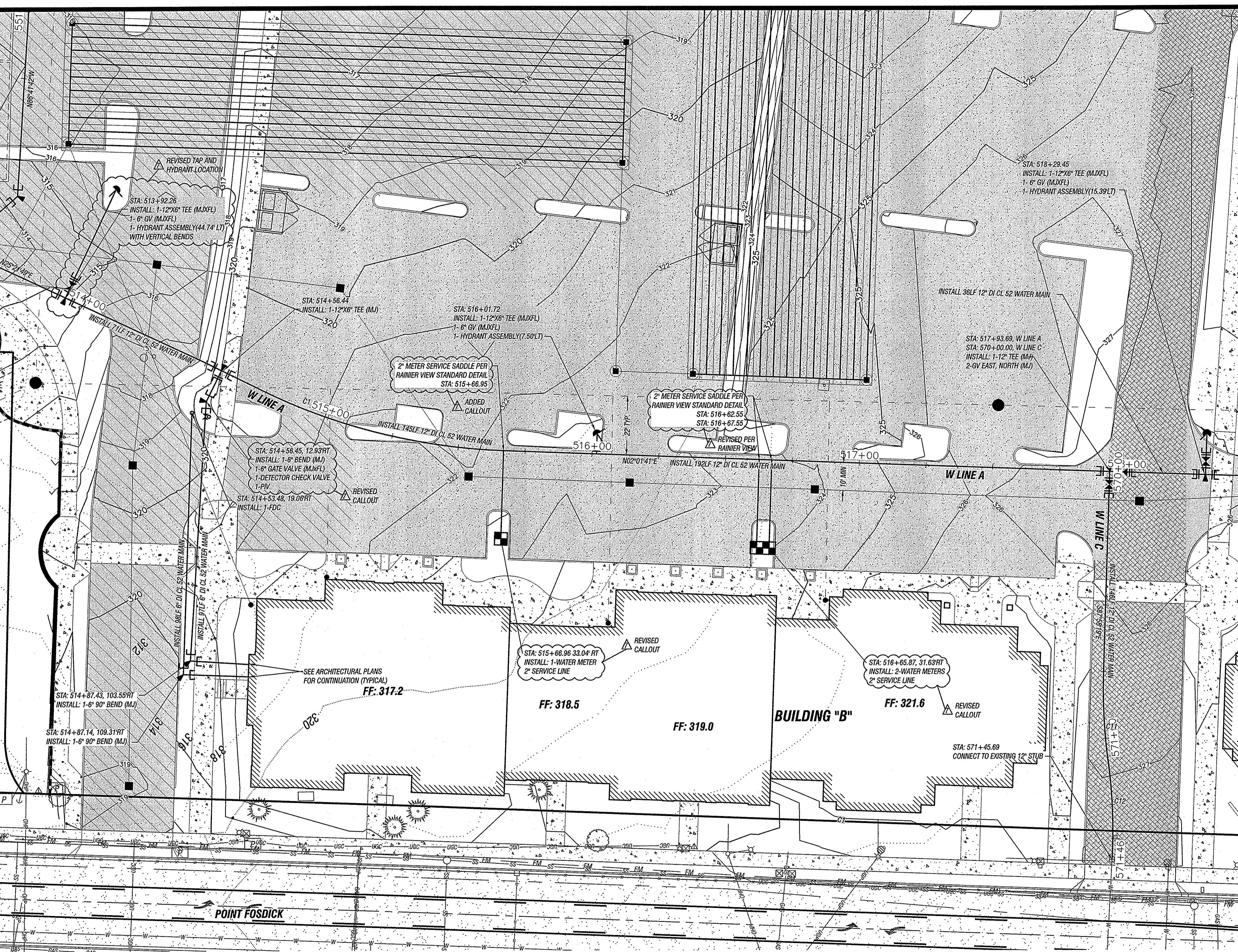
**CURVE TABLE:**

| CURVE | ARC   | RADIUS | DELTA     | PC        | PT        |
|-------|-------|--------|-----------|-----------|-----------|
| C1    | 92.98 | 220.00 | 24°12'59" | 514+74.01 | 515+68.99 |
| C11   | 33.08 | 200.00 | 09°28'38" | 570+75.13 | 571+08.21 |
| C12   | 36.57 | 200.00 | 10°28'40" | 571+08.21 | 571+44.79 |

NOTE

DEA MADE REVISIONS INDICATED WITH REVISIONS ARE LIMITED TO THE DESCRIPTION BESIDE THE REVISION SYMBOL.

**DAVID EVANS AND ASSOCIATES, INC.**  
3700 Pacific Hwy. East, Suite 311  
Tacoma, Washington 98424  
Phone: 253.922.9790



SEE W-7 FOR CONTINUATION

| EXISTING      | LEGEND                  | PROPOSED      |
|---------------|-------------------------|---------------|
| .....278..... | CONTOUR LINES(MIN)      | .....278..... |
| .....280..... | CONTOUR LINES(MAJ)      | .....280..... |
| WL            | WATER LINE              | WL            |
|               | WATER METER             |               |
|               | WATER VALVE             |               |
|               | FIRE HYDRANT            |               |
|               | SEWER MANHOLE           |               |
| SS            | SEWER LINE              | SS            |
| SD            | STORM DRAINAGE          | SD            |
|               | CATCH BASIN TYPE 1      |               |
|               | CATCH BASIN TYPE 2      |               |
|               | TELEPHONE               |               |
|               | POWER POLE              |               |
| CHP           | POWER LINES             | CHP           |
| GAS           | GAS LINE                | GAS           |
|               | ASPHALT                 |               |
|               | SAWCUT LINE             |               |
|               | EASEMENT                |               |
|               | SIGN                    |               |
|               | BUILDING                |               |
|               | TEST PIT                |               |
|               | TREE PROTECTION FENCING |               |

*R. Smith*  
DESIGN APPROVAL, DATE 6-14-16  
RAINIER VIEW WATER COMPANY

| REVISIONS                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------|
| REVISOR:  REVISION: REVISED BY DAVID EVANS AND ASSOCIATES PER RAINIER VIEW WATER COMPANY COMMENTS DATED 6/13/2016 6/20/16 |

**PacWest Engineering, LLC**  
10209 Bridgeport Way SW, Suite C-1  
Lakewood, WA 98499  
Phone (253) 830-5960  
Fax (253) 830-5999

DESIGNED BY: **D. SMITH**  
DRAWN BY: **M. RUETTIGERS**  
CHECKED BY: **B. SMITH**  
APPROVED BY: **B. SMITH**  
SCALE: **1" = 20'**  
OTHER:

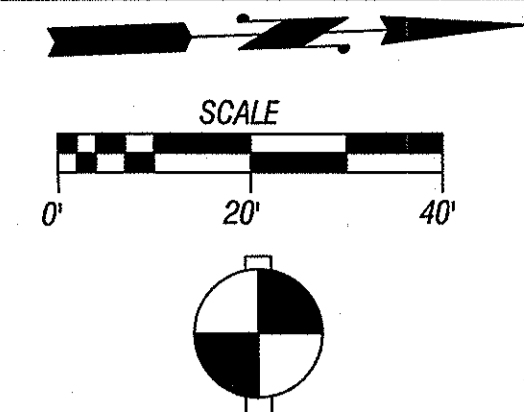
**OLYMPIC TOWNE CENTER**

**FINAL**  
**WATER PLAN 5**

**EN-14-0128**  
DRAWING NO. **09-536E-WL**  
SHEET 36 OF 52  
**WL-6**

# EXHIBIT A

## SECTION 17, TOWNSHIP 21 NORTH, RANGE 2 EAST



**VERTICAL DATUM**  
DATUM ELEV. = 293.86'

PG-3 N.G.V.D. 29  
RAILROAD SPIKE IN UTILITY POLE NORTHEAST QUADRANT OF 56TH STREET  
NORTHWEST AND 38TH AVENUE NORTHWEST.  
NOTE: ADD 3.461 FEET TO SHIFT DATUM TO NAVD 88.

**NOTES:**  
-CONTINUATION OF 6" FIRE LINE TO BE CONSTRUCTED PER ARCHITECTURAL PLANS  
-ALL WATER MAIN AND APPURTENANCES TO BE INSTALLED PER RAINIER VIEW WATER COMPANY STANDARDS  
-ALL WATER AND NON POTABLE CROSSING OF LESS THEN 18", A 20" STICK OF DUCTILE IRON WATERMAIN SHALL BE CENTERED AT THE CROSSING LOCATION. THE NON POTABLE PIPE SHALL ALSO BE LAID SO THAT THE DISTANCE BETWEEN THE JOINTS AND CROSSING IS MAXIMIZE.  
-COORDINATE WITH ARCHITECTURAL/PLUMBING PLANS ON LOCATIONS/SIZE OF SERVICE LINE TO BUILDING.

**CURVE TABLE:**

| CURVE | ARC   | RADIUS | DELTA     | PC        | PT        |
|-------|-------|--------|-----------|-----------|-----------|
| C2    | 21.95 | 200.00 | 6°17'21"  | 518+38.95 | 518+60.90 |
| C3    | 11.27 | 200.00 | 3°31'41"  | 518+60.90 | 518+72.16 |
| C4    | 43.95 | 150.00 | 16°47'22" | 520+50.39 | 520+94.35 |

NOTE

DEA MADE REVISIONS INDICATED WITH  $\Delta$   
REVISIONS ARE LIMITED TO THE DESCRIPTION BESIDE THE REVISION SYMBOL.

**DAVID EVANS AND ASSOCIATES INC.**  
3700 Pacific Hwy, East, Suite 311  
Tacoma Washington 98424  
Phone: 253.922.9780

| EXISTING        | LEGEND                  | PROPOSED        |
|-----------------|-------------------------|-----------------|
| ..... 278 ..... | CONTOUR LINES (MIN)     | ..... 278 ..... |
| ..... 280 ..... | CONTOUR LINES (MAJ)     | ..... 280 ..... |
| — WL —          | WATERLINE               | — WL —          |
|                 | WATER METER             |                 |
|                 | WATER VALVE             |                 |
|                 | FIRE HYDRANT            |                 |
|                 | SEWER MANHOLE           |                 |
| — SS —          | SEWER LINE              | — SS —          |
| — SD —          | STORM DRAINAGE          | — SD —          |
|                 | CATCH BASIN TYPE 1      |                 |
|                 | CATCH BASIN TYPE 2      |                 |
|                 | TELEPHONE               |                 |
|                 | POWER POLE              |                 |
| — OHP —         | POWER LINES             | — OHP —         |
| — GAS —         | GAS LINE                | — GAS —         |
|                 | ASPHALT                 |                 |
|                 | SAWCUT LINE             |                 |
| ---             | EASEMENT                | ---             |
|                 | SIGN                    |                 |
|                 | BUILDING                |                 |
|                 | TEST PIT                |                 |
|                 | TREE PROTECTION FENCING |                 |



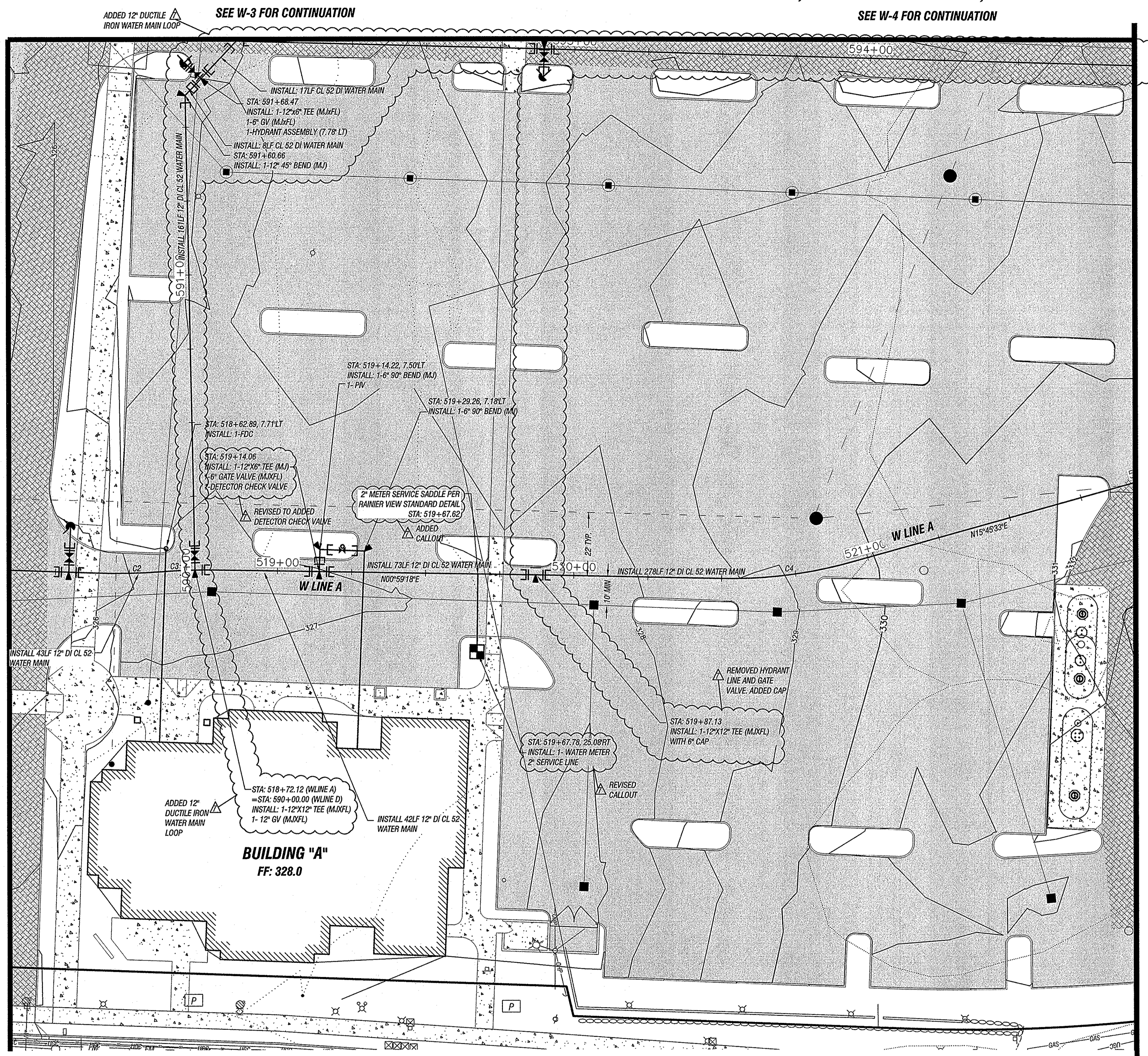
*[Signature]*  
DESIGN APPROVAL, DATE 6-14-16  
RAINIER VIEW WATER COMPANY

SEE W-6 FOR CONTINUATION

SEE W-3 FOR CONTINUATION

SEE W-4 FOR CONTINUATION

W-8 FOR CONTINUATION



REVISIONS

|          |                                                                                               |        |
|----------|-----------------------------------------------------------------------------------------------|--------|
| $\Delta$ | REVISED BY DAVID EVANS AND ASSOCIATES PER RAINIER VIEW WATER COMPANY COMMENTS DATED 6/13/2016 | 6/2016 |
|----------|-----------------------------------------------------------------------------------------------|--------|

**PACWEST ENGINEERING, LLC**  
10209 Bridgeport Way SW, Suite C-1  
Lakewood, WA 98499  
Phone (253) 830-5960  
Fax (253) 830-5999

DESIGNED BY: **D. SMITH**  
DRAWN BY: **M. RUETTIGERS**  
CHECKED BY: **B. SMITH**  
APPROVED BY: **B. SMITH**  
SCALE: **1" = 20'**  
OTHER:

**OLYMPIC TOWNE CENTER**

**FINAL**

**WATER PLAN 6**

**EN-14-0128**

DRAWING NO. **09-536E-WL**

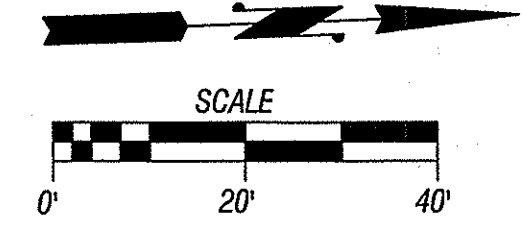
SHEET 37 OF 52

**WL-7**

# EXHIBIT A

## SECTION 17, TOWNSHIP 21 NORTH, RANGE 2 EAST

SEE W-4 FOR CONTINUATION



**VERTICAL DATUM**  
 DATUM ELEV. = 293.86'  
 PS-3 NAVD 29

RAILROAD SPIKE IN UTILITY POLE NORTHEAST QUADRANT OF 56TH STREET  
 NORTHWEST AND 38TH AVENUE NORTHWEST.  
 NOTE: ADD 3.461 FEET TO SHIFT DATUM TO NAVD 88.

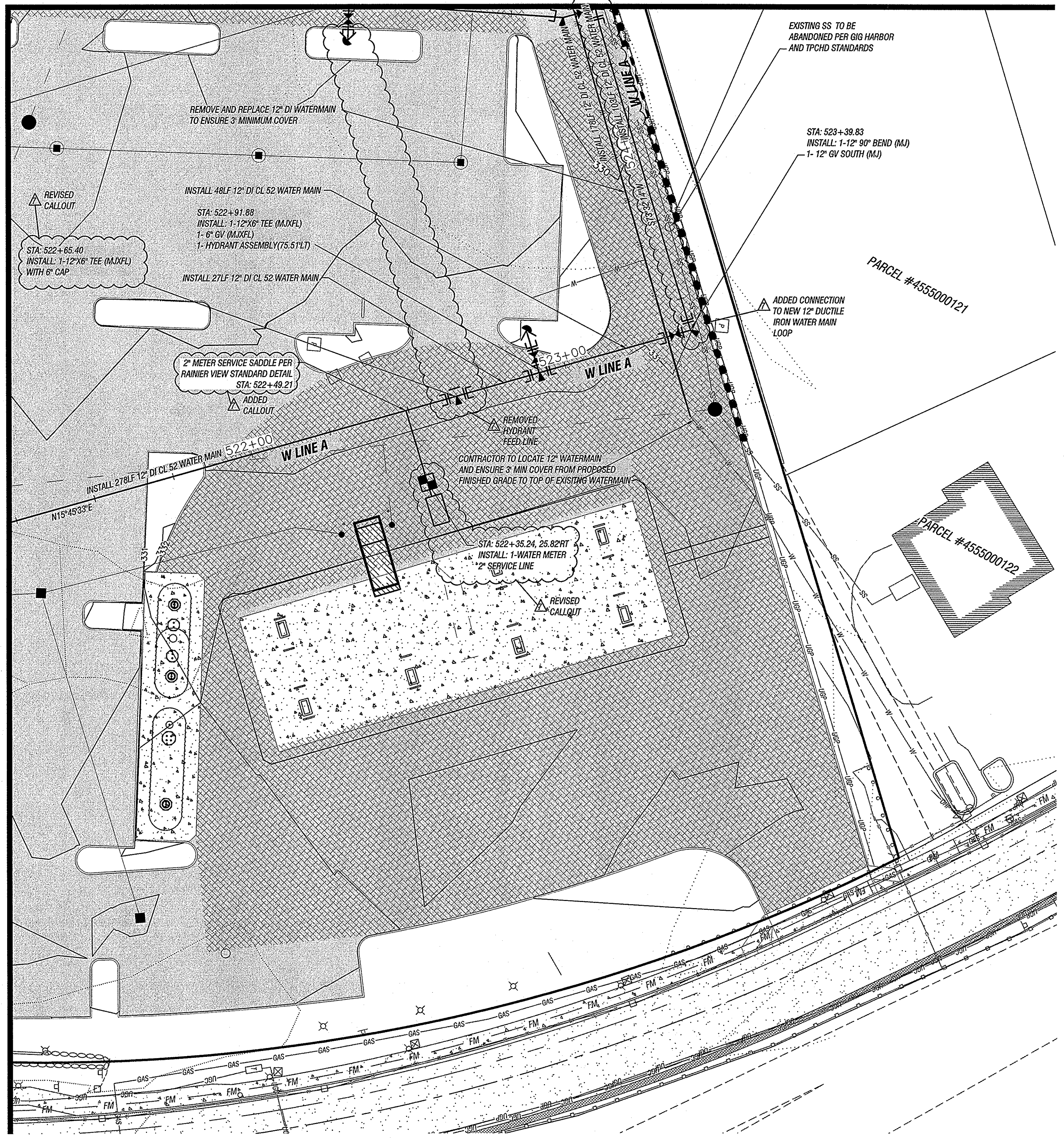
**NOTES:**

- CONTINUATION OF 6" FIRE LINE TO BE CONSTRUCTED PER ARCHITECTURAL PLANS
- ALL WATER MAIN AND APPURTENANCES TO BE INSTALLED PER RAINIER VIEW WATER COMPANY STANDARDS
- ALL WATER AND NON POTABLE CROSSING OF LESS THEN 18", A 20" STICK OF DUCTILE IRON WATERMAIN SHALL BE CENTERED AT THE CROSSING LOCATION. THE NON POTABLE PIPE SHALL ALSO BE LAID SO THAT THE DISTANCE BETWEEN THE JOINTS AND CROSSING IS MAXIMIZE.
- COORDINATE WITH ARCHITECTURAL/PLUMBING PLANS ON LOCATIONS/SIZE OF SERVICE LINE TO BUILDING.

NOTE

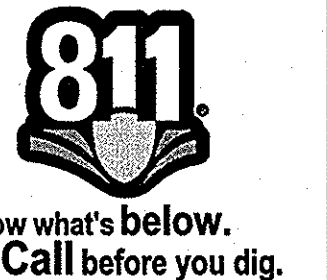
DAVID EVANS ASSOCIATES INC.  
 3700 Pacific Hwy, East, Suite 311  
 Tacoma, Washington 98424  
 Phone: 253.922.9780

SEE W-7 FOR CONTINUATION



| EXISTING                | LEGEND                  | PROPOSED                |
|-------------------------|-------------------------|-------------------------|
| ---278---               | CONTOUR LINES(MIN)      | ---278---               |
| ---280---               | CONTOUR LINES(MAJ)      | ---280---               |
| WL                      | WATERLINE               | WL                      |
| ⊠                       | WATER METER             | ⊠                       |
| ⊠                       | WATER VALVE             | ⊠                       |
| ⊠                       | FIRE HYDRANT            | ⊠                       |
| ○                       | SEWER MANHOLE           | ○                       |
| SS                      | SEWER LINE              | SS                      |
| SD                      | STORM DRAINAGE          | SD                      |
| □                       | CATCH BASIN TYPE 1      | □                       |
| ⊙                       | CATCH BASIN TYPE 2      | ⊙                       |
| ○                       | TELEPHONE               | ○                       |
| ○                       | POWER POLE              | ○                       |
| —GHP—                   | POWER LINES             | —GHP—                   |
| —GAS—                   | GAS LINE                | —GAS—                   |
| ASPH                    | ASPHALT                 | ASPH                    |
| SAWCUT                  | SAWCUT LINE             | SAWCUT                  |
| EASEMENT                | EASEMENT                | EASEMENT                |
| SIGN                    | SIGN                    | SIGN                    |
| BUILDING                | BUILDING                | BUILDING                |
| TEST PIT                | TEST PIT                | TEST PIT                |
| TREE PROTECTION FENCING | TREE PROTECTION FENCING | TREE PROTECTION FENCING |

*[Signature]*  
 DESIGN APPROVAL, DATE 6-14-16  
 RAINIER VIEW WATER COMPANY



| REVISIONS |                                                                                                      |
|-----------|------------------------------------------------------------------------------------------------------|
| ⚠         | REVISED BY DAVID EVANS AND ASSOCIATES PER RAINIER VIEW WATER COMPANY COMMENTS DATED 6/13/2016 6/2016 |



**PACWEST ENGINEERING, LLC**  
 10209 Bridgeport Way SW, Suite C-1  
 Lakewood, WA 98499  
 Phone (253) 830-5960  
 Fax (253) 830-5999

|              |                     |
|--------------|---------------------|
| DESIGNED BY: | <b>D. SMITH</b>     |
| DRAWN BY:    | <b>M. RUETTGERS</b> |
| CHECKED BY:  | <b>B. SMITH</b>     |
| APPROVED BY: | <b>B. SMITH</b>     |
| SCALE:       | <b>1" = 20'</b>     |
| OTHER:       |                     |

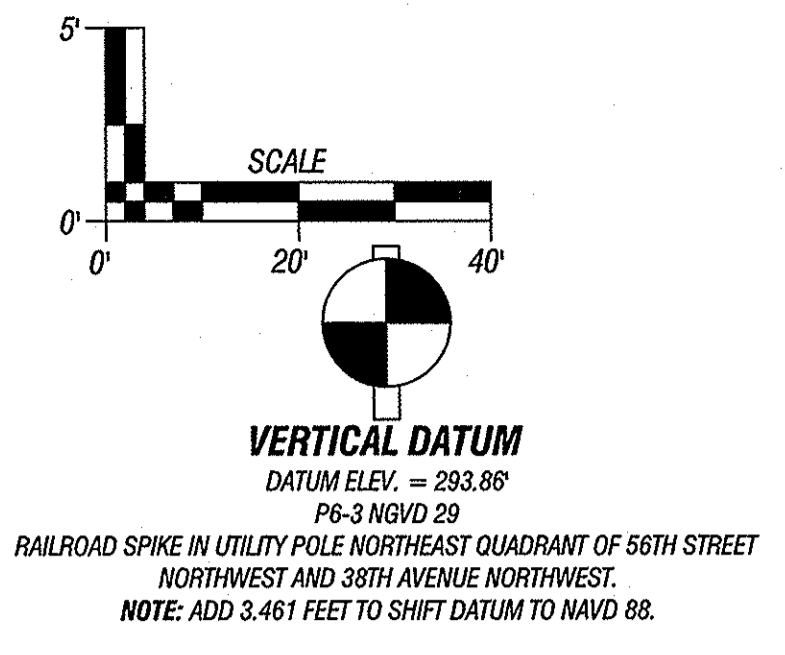
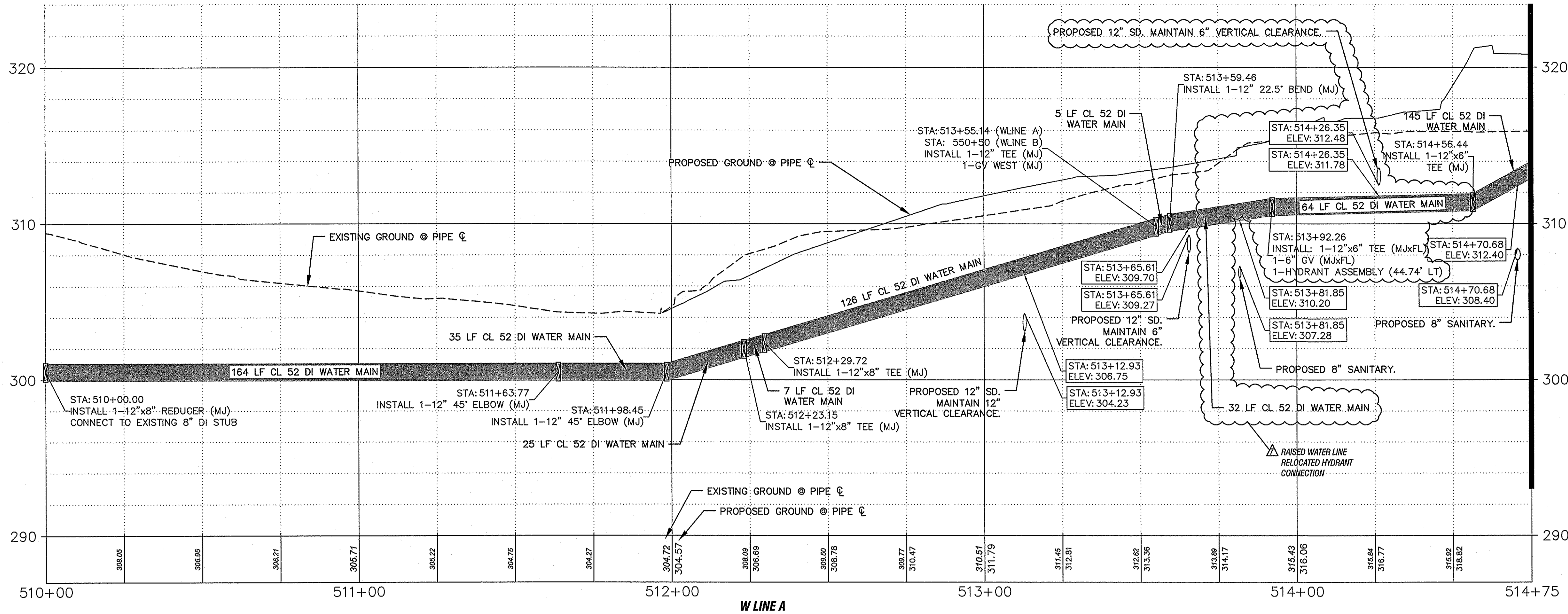
**OLYMPIC TOWNE CENTER**

|                     |                                  |  |
|---------------------|----------------------------------|--|
| <b>FINAL</b>        | <b>EN-14-0128</b>                |  |
| <b>WATER PLAN 7</b> | DRAWING NO.<br><b>09-536E-WL</b> |  |
|                     | SHEET 38 OF 52<br><b>WL-8</b>    |  |



# EXHIBIT A

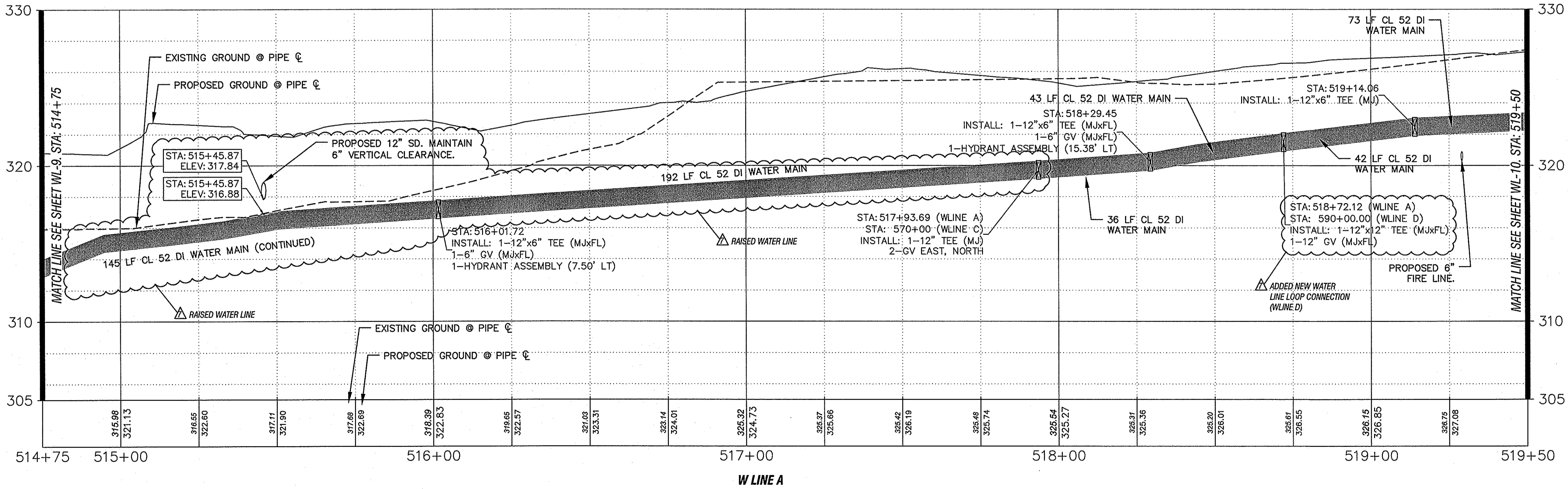
## SECTION 17, TOWNSHIP 21 NORTH, RANGE 2 EAST



NOTE: DEIA MADE REVISIONS INDICATED WITH REVISIONS ARE LIMITED TO THE DESCRIPTION BESIDE THE REVISION SYMBOL.

**DAVID EVANS AND ASSOCIATES INC.**  
 3700 Pacific Hwy. East, Suite 311  
 Tacoma, Washington 98424  
 Phone: 253.922.9780

| EXISTING    | LEGEND                  | PROPOSED    |
|-------------|-------------------------|-------------|
| --- 278 --- | CONTOUR LINES (MIN)     | --- 278 --- |
| --- 280 --- | CONTOUR LINES (MAJ)     | --- 280 --- |
| WL          | WATERLINE               | ---         |
| ⊠           | WATER METER             | ⊠           |
| ⊞           | WATER VALVE             | ⊞           |
| ⊙           | FIRE HYDRANT            | ⊙           |
| ○           | SEWER MANHOLE           | ●           |
| ○           | SEWER CLEANOUT          | ●           |
| SS          | SEWER LINE              | ---         |
| SD          | STORM DRAINAGE          | ---         |
| □           | CATCH BASIN TYPE 1      | ■           |
| ⊙           | CATCH BASIN TYPE 2      | ⊙           |
| ○           | TELEPHONE               | ○           |
| ○           | POWER LINES             | ○           |
| GHP         | GAS LINE                | ---         |
| GAS         | GAS LINE                | ---         |
| ▨           | ASPHALT                 | ▨           |
| ---         | SAWCUT LINE             | ---         |
| ---         | EASEMENT                | ---         |
| ⊠           | SIGN                    | ⊠           |
| ▨           | BUILDING                | ▨           |
| ⊙           | TEST PIT                | ⊙           |
| ---         | TREE PROTECTION FENCING | ---         |



DESIGN APPROVAL, DATE 6-14-16  
 RAINIER VIEW WATER COMPANY

| REVISIONS |                                                                                                      |
|-----------|------------------------------------------------------------------------------------------------------|
| △         | REVISED BY DAVID EVANS AND ASSOCIATES PER RAINIER VIEW WATER COMPANY COMMENTS DATED 6/13/2016 6/2016 |

**PACWEST ENGINEERING, LLC**  
 10209 Bridgeport Way SW, Suite C-1  
 Lakewood, WA 98499  
 Phone (253) 830-5960  
 Fax (253) 830-5999

DESIGNED BY: **D. SMITH**  
 DRAWN BY: **P. MARRINAN**  
 CHECKED BY: **B. SMITH**  
 APPROVED BY: **B. SMITH**  
 SCALE: **1" = 20'**  
 OTHER:

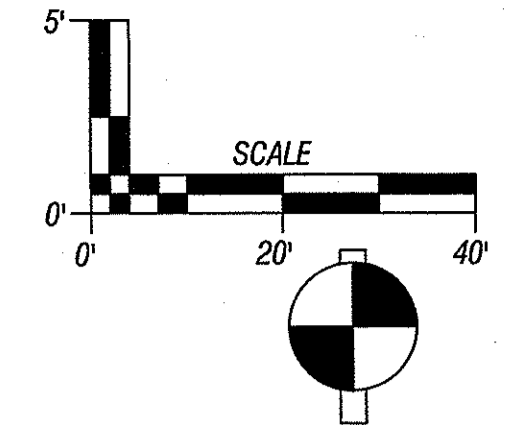
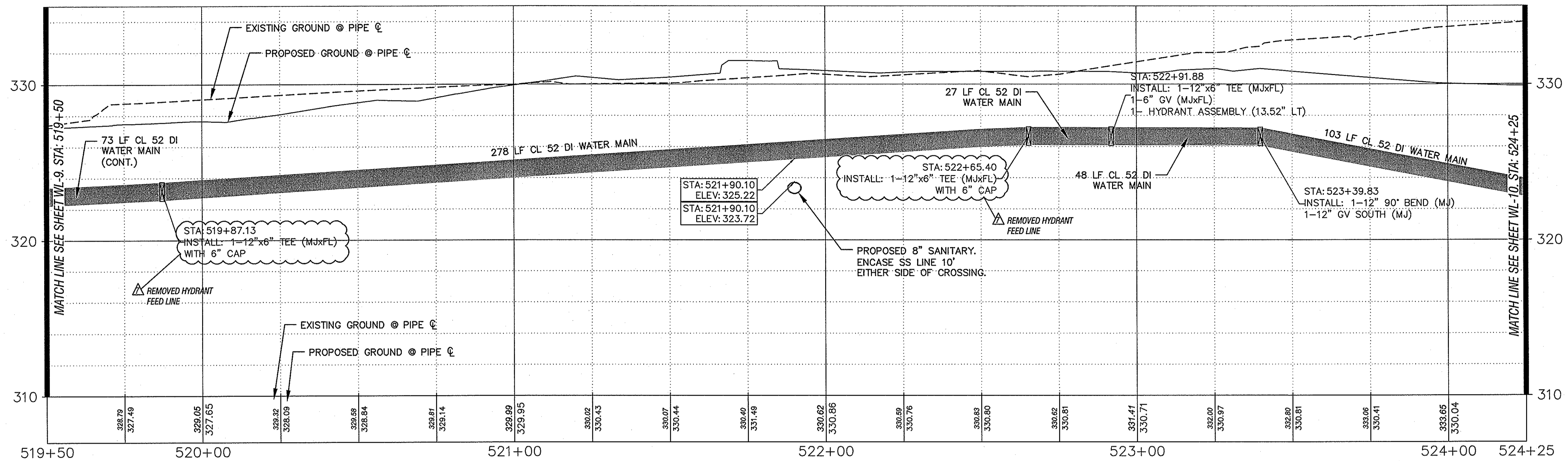
**OLYMPIC TOWNE CENTER**

**FINAL**  
**WATER LINE A STA 510+00 - 519+50 PROFILE**

**EN-14-0128**  
 DRAWING NO.  
**09-536E-SSWL**  
 SHEET 39 OF 52  
**WL-9**

# EXHIBIT A

## SECTION 17, TOWNSHIP 21 NORTH, RANGE 2 EAST

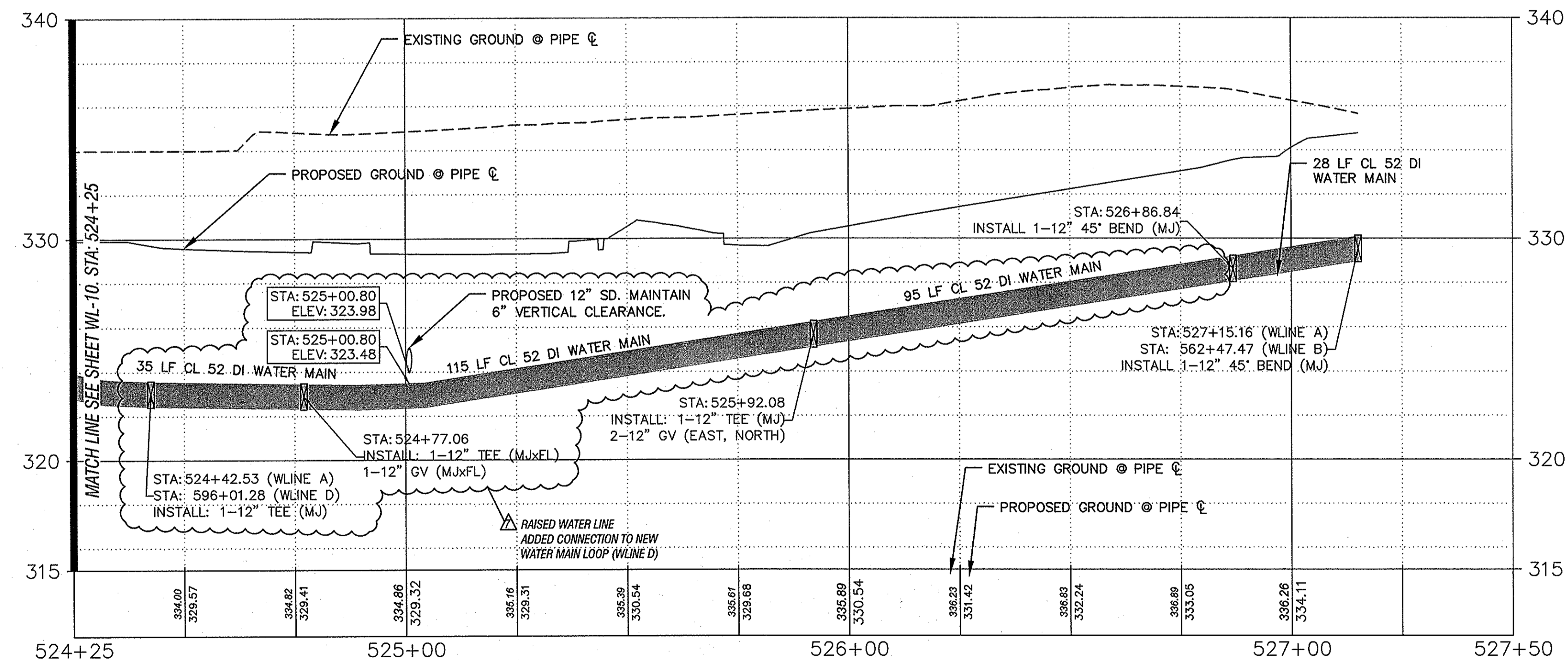


**VERTICAL DATUM**  
 DATUM ELEV. = 293.86'  
 PG-3 NGVD 29  
 RAILROAD SPIKE IN UTILITY POLE NORTHEAST QUADRANT OF 56TH STREET  
 NORTHWEST AND 38TH AVENUE NORTHWEST.  
 NOTE: ADD 3.461 FEET TO SHIFT DATUM TO NAVD 88.

NOTE: REVISIONS ARE LIMITED TO THE DESCRIPTION BESIDE THE REVISION SYMBOL.

**DAVID EVANS AND ASSOCIATES INC.**  
 3700 Pacific Hwy, East, Suite 311  
 Tacoma Washington 98424  
 Phone: 253.922.9780

W LINE A



| EXISTING  | LEGEND                  | PROPOSED  |
|-----------|-------------------------|-----------|
| ---278--- | CONTOUR LINES(MIN)      | ---278--- |
| ---280--- | CONTOUR LINES(MAJ)      | ---280--- |
| -WL-      | WATERLINE               | -WL-      |
| ⊠         | WATER METER             | ⊠         |
| ⊘         | WATER VALVE             | ⊘         |
| ⊙         | FIRE HYDRANT            | ⊙         |
| ○         | SEWER MANHOLE           | ●         |
| ---       | SEWER LINE              | ---       |
| SD        | STORM DRAINAGE          | SD        |
| □         | CATCH BASIN TYPE 1      | ■         |
| ⊙         | CATCH BASIN TYPE 2      | ⊙         |
| ○         | TELEPHONE               | ○         |
| ○         | POWER POLE              | ○         |
| ---       | POWER LINES             | ---       |
| ---       | GAS LINE                | ---       |
| ---       | ASPHALT                 | ---       |
| ---       | SAWCUT LINE             | ---       |
| ---       | EASEMENT                | ---       |
| ---       | SIGN                    | ---       |
| ---       | BUILDING                | ---       |
| ⊙         | TEST PIT                | ⊙         |
| ---       | TREE PROTECTION FENCING | ---       |

W LINE A

*R. D. Smith*  
 DESIGN APPROVAL, DATE 6-14-16  
 RAINIER VIEW WATER COMPANY

| REVISIONS |                                                                                                       |
|-----------|-------------------------------------------------------------------------------------------------------|
| △         | REVISED BY DAVID EVANS AND ASSOCIATES PER RAINIER VIEW WATER COMPANY COMMENTS DATED 6/13/2016 6/20/16 |

**PacWest Engineering, LLC**  
 10209 Bridgeport Way SW, Suite C-1  
 Lakewood, WA 98499  
 Phone (253) 830-5960  
 Fax (253) 830-5999

DESIGNED BY: **D. SMITH**  
 DRAWN BY: **P. MARRINAN**  
 CHECKED BY: **B. SMITH**  
 APPROVED BY: **B. SMITH**  
 SCALE: **1" = 20'**  
 OTHER:

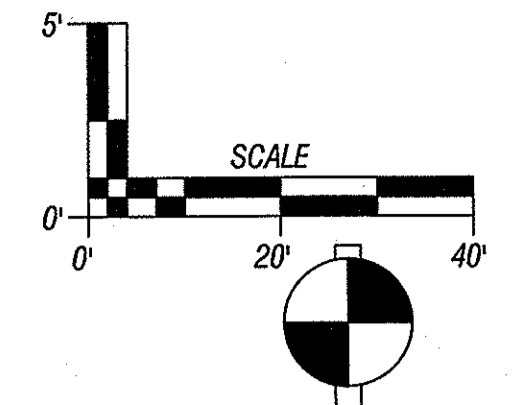
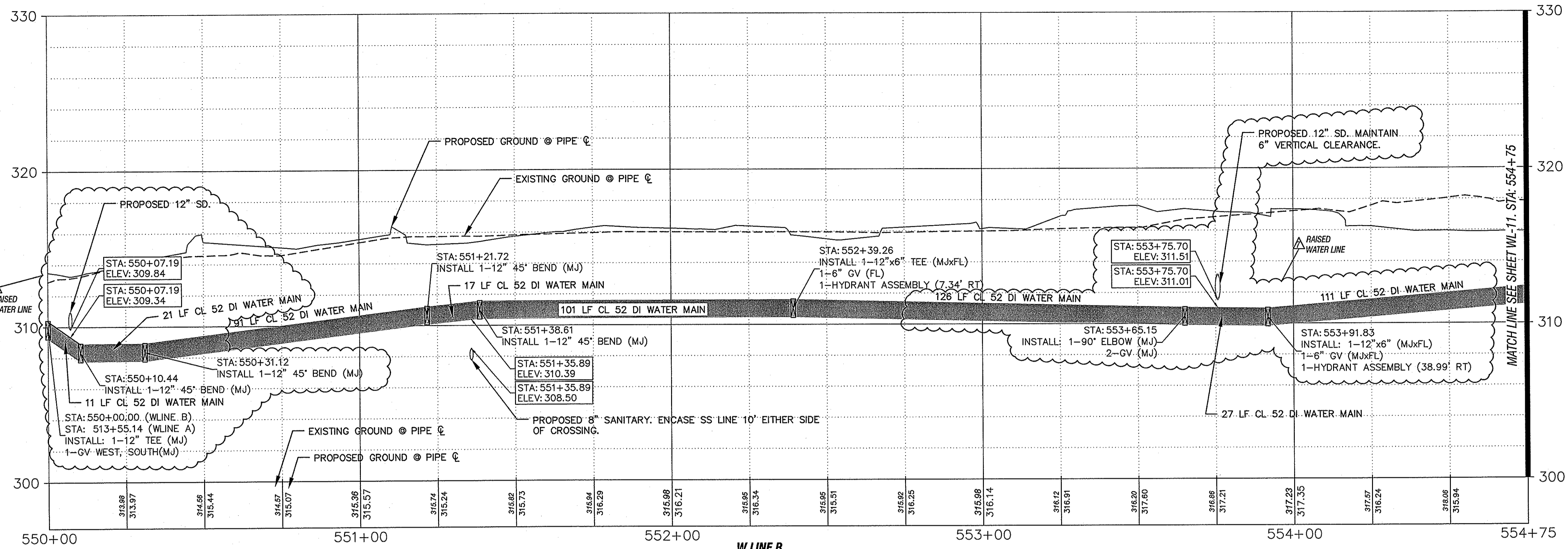
**OLYMPIC TOWNE CENTER**

**FINAL**  
**WATER LINE A STA 519+50 - 527+50 PROFILE**

**EN-14-0128**  
 DRAWING NO.  
**09-536E-SSWL**  
 SHEET 40 OF 52  
**WL-10**

# EXHIBIT A

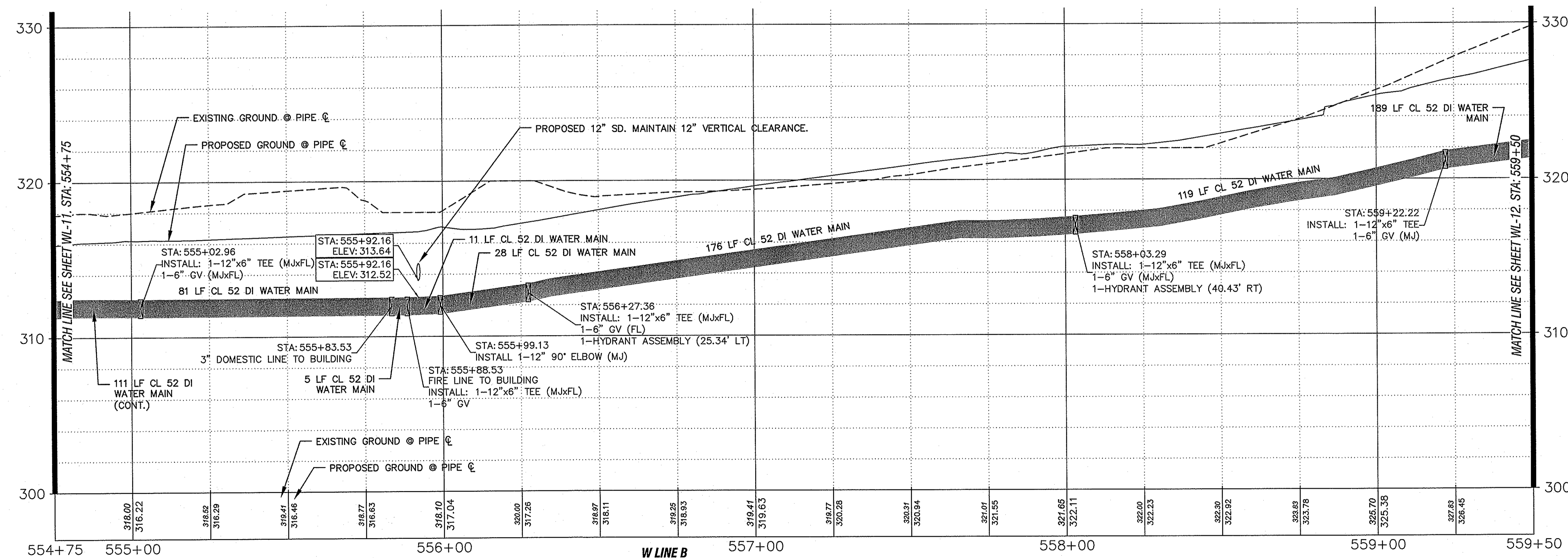
## SECTION 17, TOWNSHIP 21 NORTH, RANGE 2 EAST



**VERTICAL DATUM**  
 DATUM ELEV. = 293.86'  
 PS-3 NAD 83  
 RAILROAD SPIKE IN UTILITY POLE NORTHEAST QUADRANT OF 56TH STREET  
 NORTHWEST AND 38TH AVENUE NORTHWEST  
 NOTE: ADD 3.461 FEET TO SHIFT DATUM TO NAVD 88.

NOTE: REVISIONS INDICATED WITH  $\Delta$  REVISIONS ARE LIMITED TO THE DESCRIPTION BESIDE THE REVISION SYMBOL.

**DAVID EVANS AND ASSOCIATES INC.**  
 3700 Pacific Hwy. East, Suite 311  
 Tacoma, Washington 98424  
 Phone: 253.922.9780



| EXISTING    | LEGEND                  | PROPOSED    |
|-------------|-------------------------|-------------|
| --- 278 --- | CONTOUR LINES (MIN)     | --- 278 --- |
| --- 280 --- | CONTOUR LINES (MAJ)     | --- 280 --- |
| --- WL ---  | WATERLINE               | --- WL ---  |
| $\square$   | WATER METER             | $\square$   |
| $\square$   | WATER VALVE             | $\square$   |
| $\circ$     | FIRE HYDRANT            | $\bullet$   |
| $\circ$     | SEWER MANHOLE           | $\bullet$   |
| $\circ$     | SEWER CLEANOUT          | $\bullet$   |
| ---         | SEWER LINE              | ---         |
| ---         | STORM DRAINAGE          | ---         |
| $\square$   | CATCH BASIN TYPE 1      | $\square$   |
| $\square$   | CATCH BASIN TYPE 2      | $\square$   |
| $\square$   | TELEPHONE               | $\square$   |
| $\square$   | POWER POLE              | $\square$   |
| ---         | POWER LINES             | ---         |
| ---         | GAS LINE                | ---         |
| ---         | ASPHALT                 | ---         |
| ---         | SAWCUT LINE             | ---         |
| ---         | EASEMENT                | ---         |
| $\square$   | SIGN                    | $\square$   |
| $\square$   | BUILDING                | $\square$   |
| $\circ$     | TEST PIT                | $\circ$     |
| ---         | TREE PROTECTION FENCING | ---         |

*David Evans*  
 DESIGN APPROVAL, DATE 6-14-16  
 RAINIER VIEW WATER COMPANY

| REVISIONS                                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------|
| REVISOR: $\Delta$ REVISION: REVISED BY DAVID EVANS AND ASSOCIATES PER RAINIER VIEW WATER COMPANY COMMENTS DATED 6/13/2016 DATE: 6/20/16 |

**PACWEST ENGINEERING, LLC**  
 10209 Bridgeport Way SW, Suite C-1  
 Lakewood, WA 98499  
 Phone (253) 830-5960  
 Fax (253) 830-5999

DESIGNED BY: **D. SMITH**  
 DRAWN BY: **P. MARRINAN**  
 CHECKED BY: **B. SMITH**  
 APPROVED BY: **B. SMITH**  
 SCALE: **1" = 20'**  
 OTHER:

**OLYMPIC TOWNE CENTER**

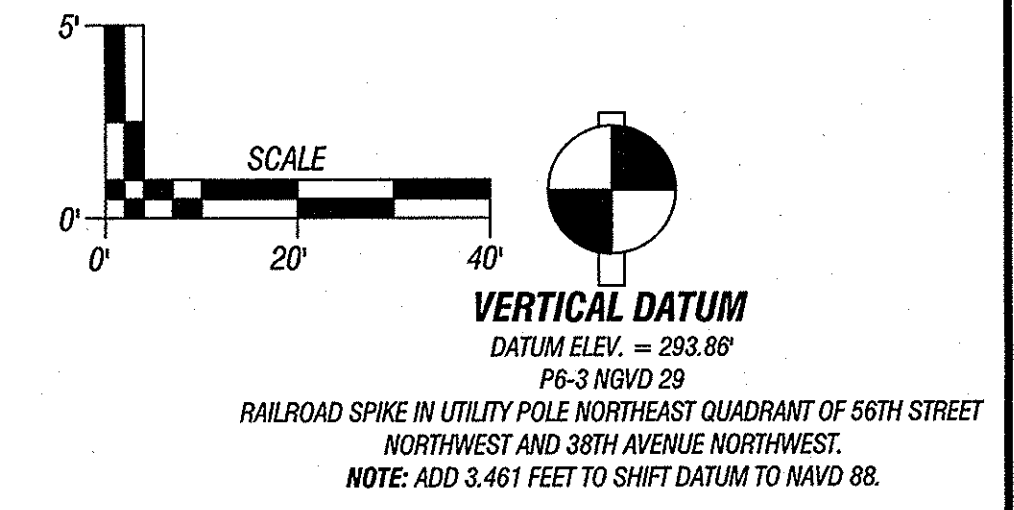
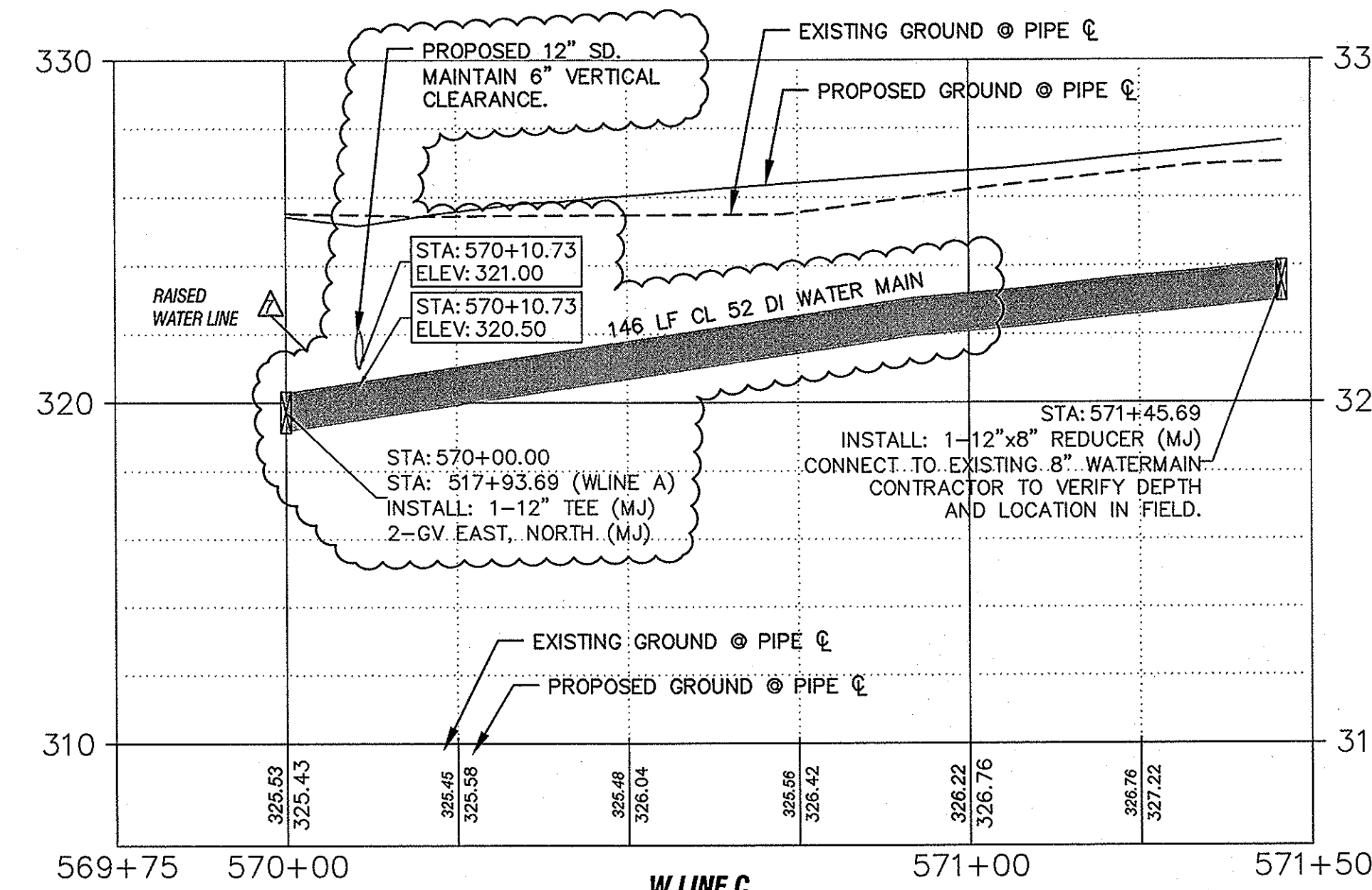
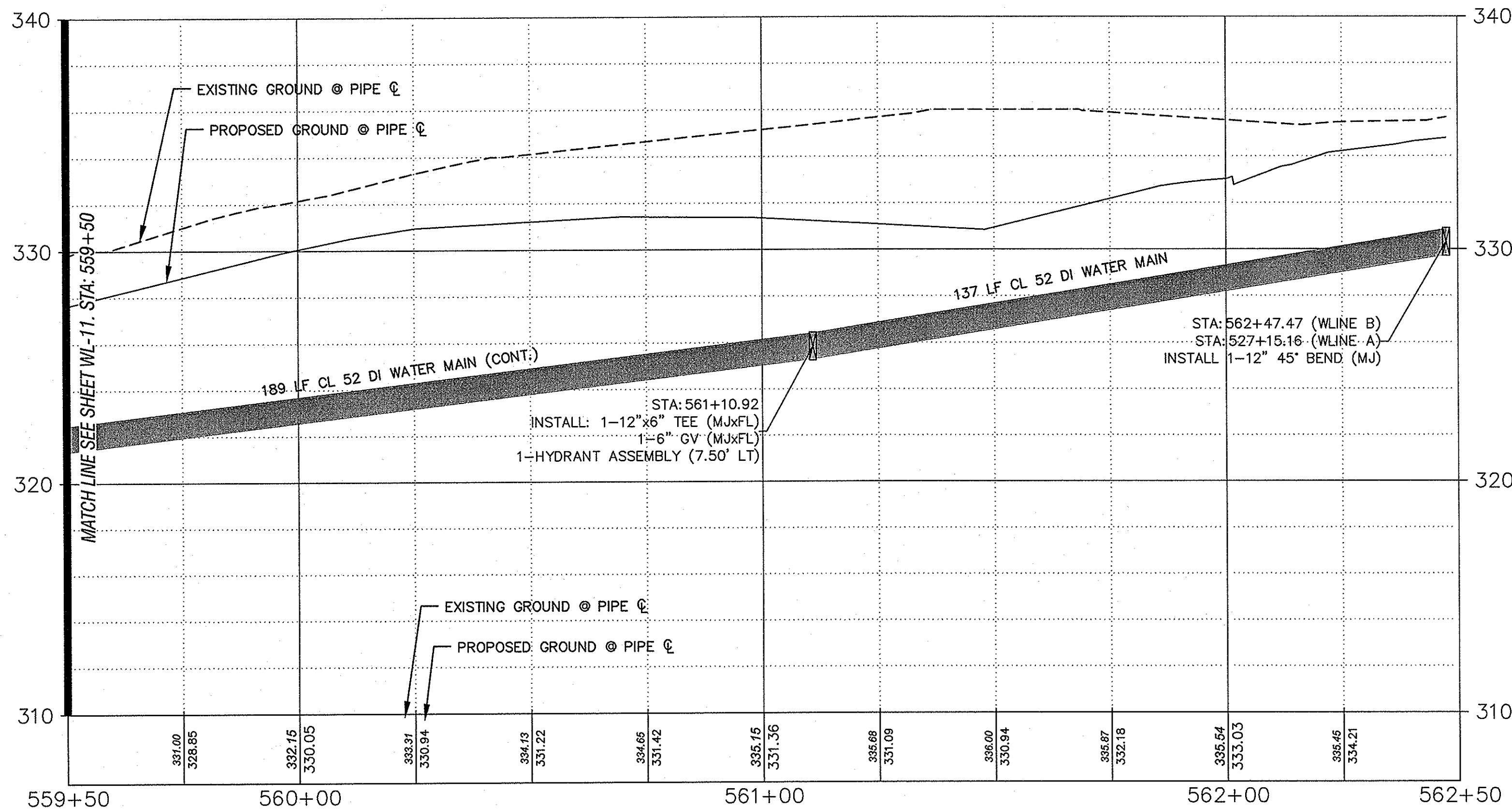
**FINAL**

**WATER LINE B STA 550+00 - 559+50 PROFILE**

EN-14-0128  
 DRAWING NO. 09-536E-SSWL  
 SHEET 41 OF 52  
 WL-11

# EXHIBIT A

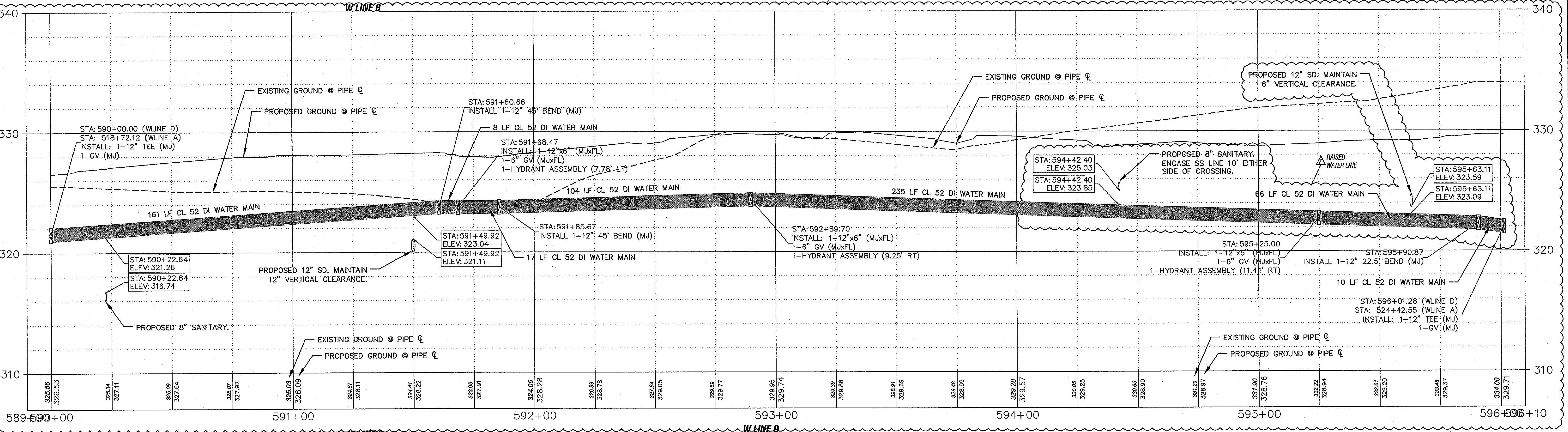
## SECTION 17, TOWNSHIP 21 NORTH, RANGE 2 EAST



NOTE: REVISIONS INDICATED WITH  $\Delta$  REVISIONS ARE LIMITED TO THE DESCRIPTION BESIDE THE REVISION SYMBOL.

**DAVID EVANS AND ASSOCIATES INC.**  
 3700 Pacific Hwy, East, Suite 311  
 Tacoma Washington 98424  
 Phone: 253.922.9780

*[Signature]*  
**DESIGN APPROVAL, DATE 6-14-16**  
**RAINIER VIEW WATER COMPANY**



| REVISIONS |                                                                                                       |
|-----------|-------------------------------------------------------------------------------------------------------|
| $\Delta$  | REVISED BY DAVID EVANS AND ASSOCIATES PER RAINIER VIEW WATER COMPANY COMMENTS DATED 6/13/2016 6/20/16 |

**PACWEST ENGINEERING, LLC**  
 10209 Bridgeport Way SW, Suite C-1  
 Lakewood, WA 98499  
 Phone (253) 830-5960  
 Fax (253) 830-5999

DESIGNED BY: **D. SMITH**  
 DRAWN BY: **P. MARRINAN**  
 CHECKED BY: **B. SMITH**  
 APPROVED BY: **B. SMITH**  
 SCALE: **1" = 20'**  
 OTHER:

**OLYMPIC TOWNE CENTER**

**FINAL**

**WATER LINE B STA 559+50 - 562+50 PROFILE, WATER LINE C PROFILE, AND WATER LINE D PROFILE**

**EN-14-0128**

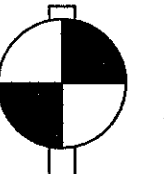
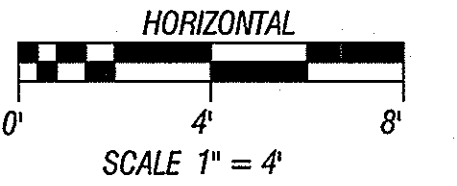
DRAWING NO. **09-536E-SSWL**

SHEET 42 OF 52

**WL-12**

# EXHIBIT A

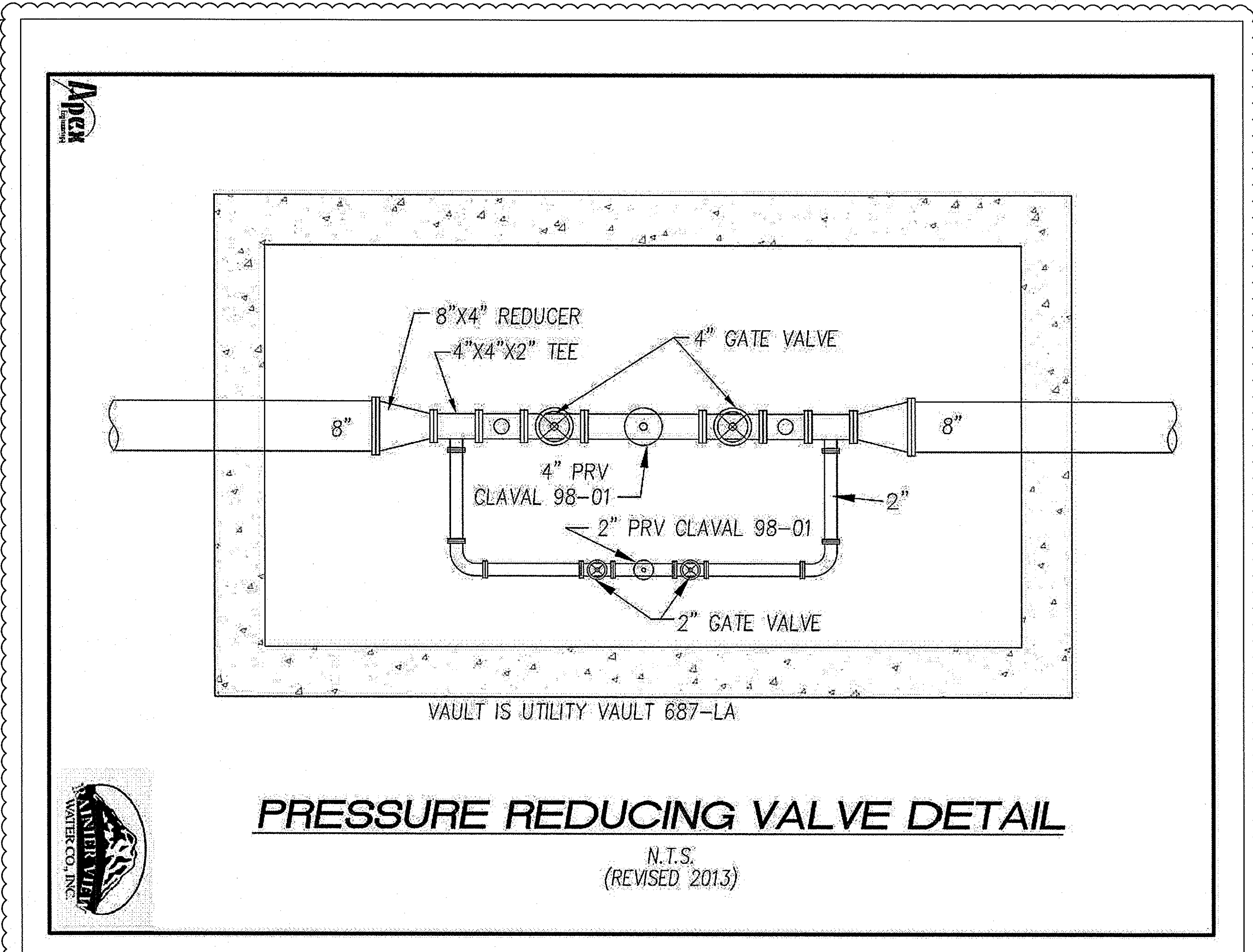
SECTION 17, TOWNSHIP 21 NORTH, RANGE 2 EAST



**VERTICAL DATUM**  
 DATUM ELEV. = 293.86'  
 PG-3 NGVD 29

RAILROAD SPIKE IN UTILITY POLE NORTHEAST QUADRANT OF 56TH STREET  
 NORTHWEST AND 38TH AVENUE NORTHWEST.  
 NOTE: ADD 3.461 FEET TO SHIFT DATUM TO NAVD 88.

REPLACED PRV DETAIL WITH  
 RAINIER VIEW WATER COMPANY  
 STANDARD DETAIL



NOTE: 6/14/16

DAVID EVANS  
 AND ASSOCIATES INC.  
 3700 Pacific Hwy, East, Suite 311  
 Tacoma Washington 98424  
 Phone: 253.922.9780

## PRESSURE REDUCING VALVE (RAINIER VIEW)

NOTE: PRESSURE REDUCING VALVE SHALL BE COORDINATED WITH RAINIER VIEW WATER COMPANY

*Philip B. Blalock*  
 DESIGN APPROVAL, DATE 6-14-16  
 RAINIER VIEW WATER COMPANY

| REVISIONS                                                                                   | DATE   |
|---------------------------------------------------------------------------------------------|--------|
| REPLACED PRV DETAIL WITH RAINIER VIEW WATER COMPANY STANDARD DETAIL                         | 6/2016 |
| REVISOR: DAVID EVANS AND ASSOCIATES PER RAINIER VIEW WATER COMPANY COMMENTS DATED 6/13/2016 | 6/2016 |

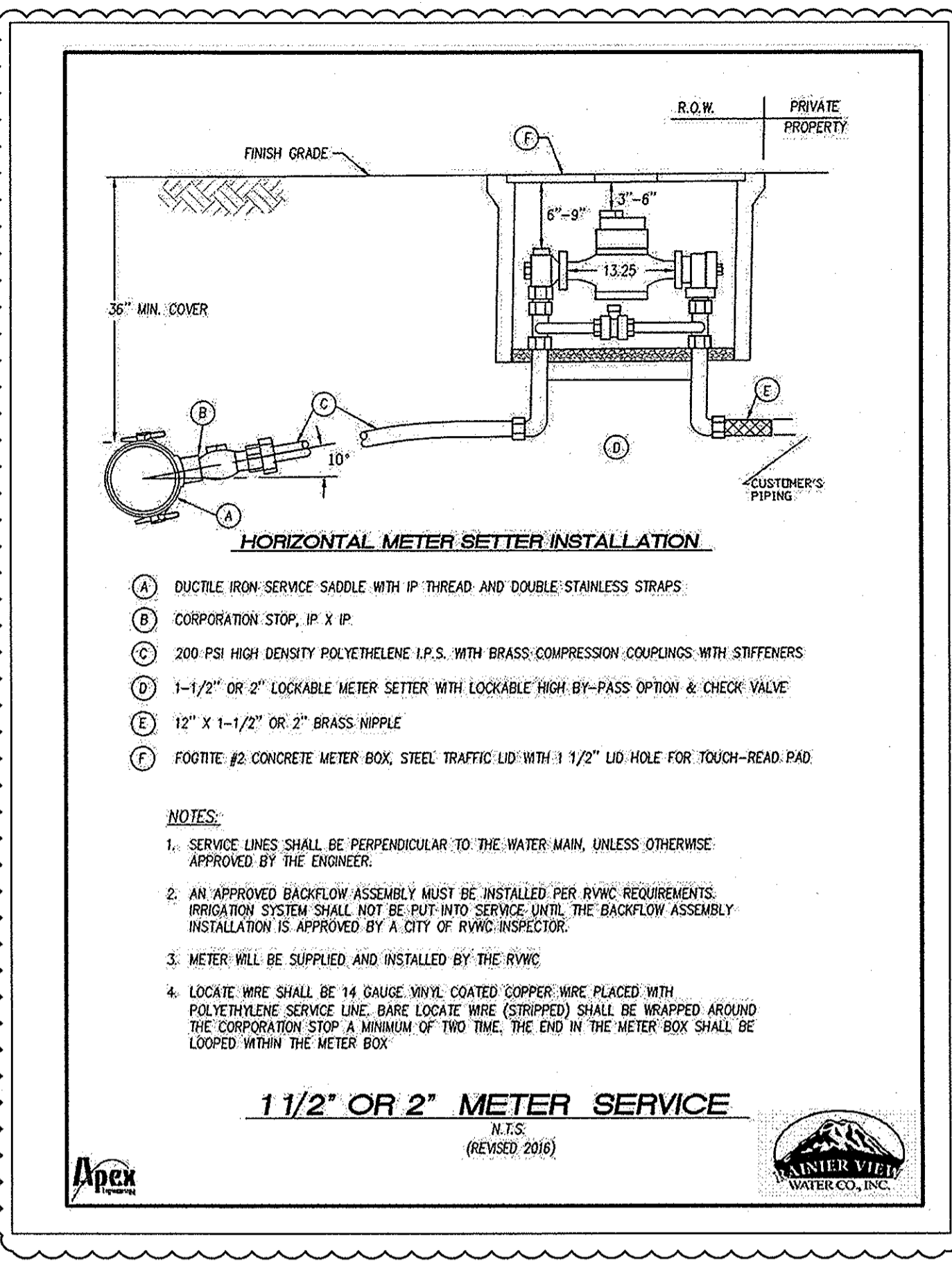
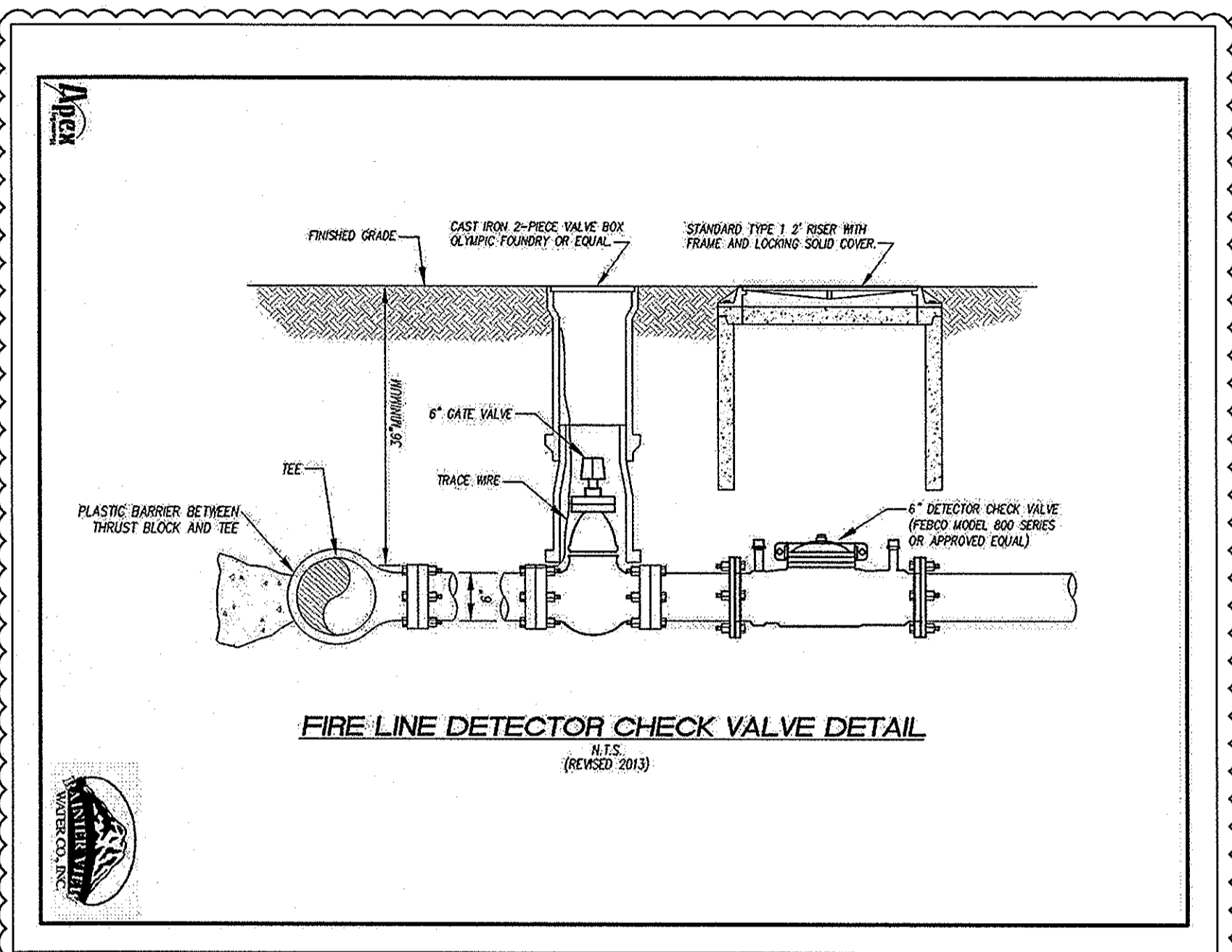
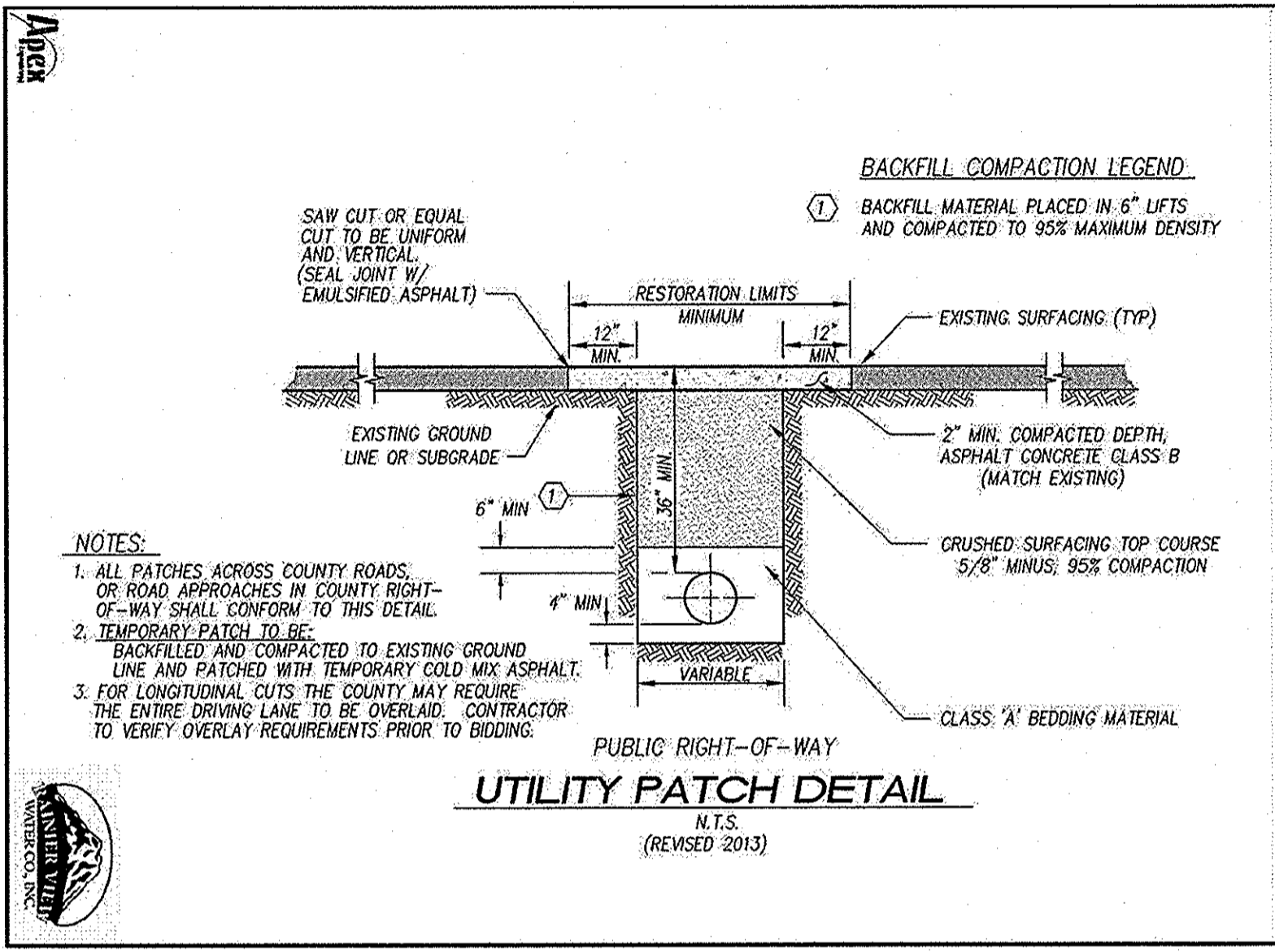


**PACWEST ENGINEERING, LLC**  
 10209 Bridgeport Way SW, Suite C-1  
 Lakewood, WA 98499  
 Phone (253) 830-5960  
 Fax (253) 830-5999

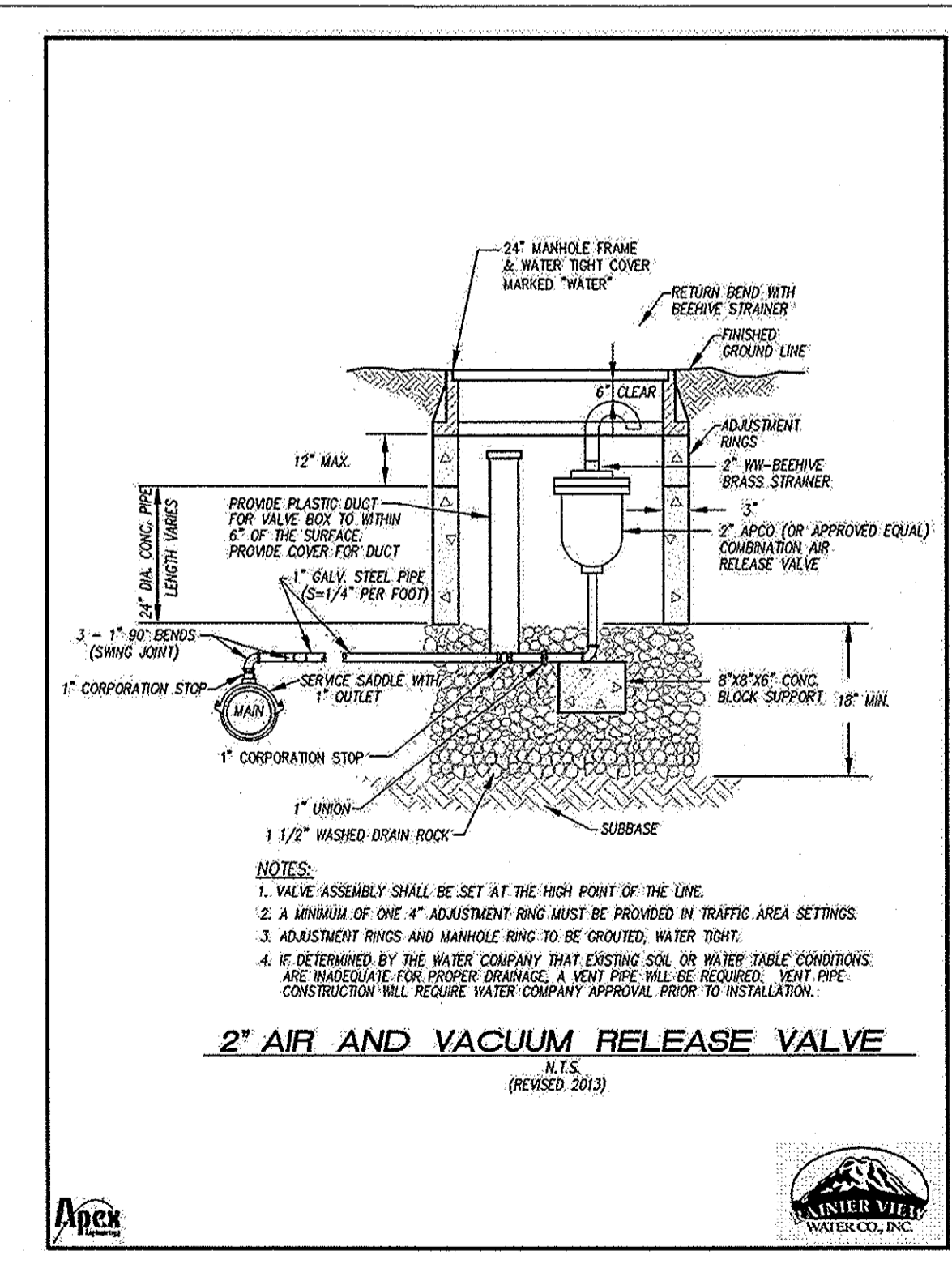
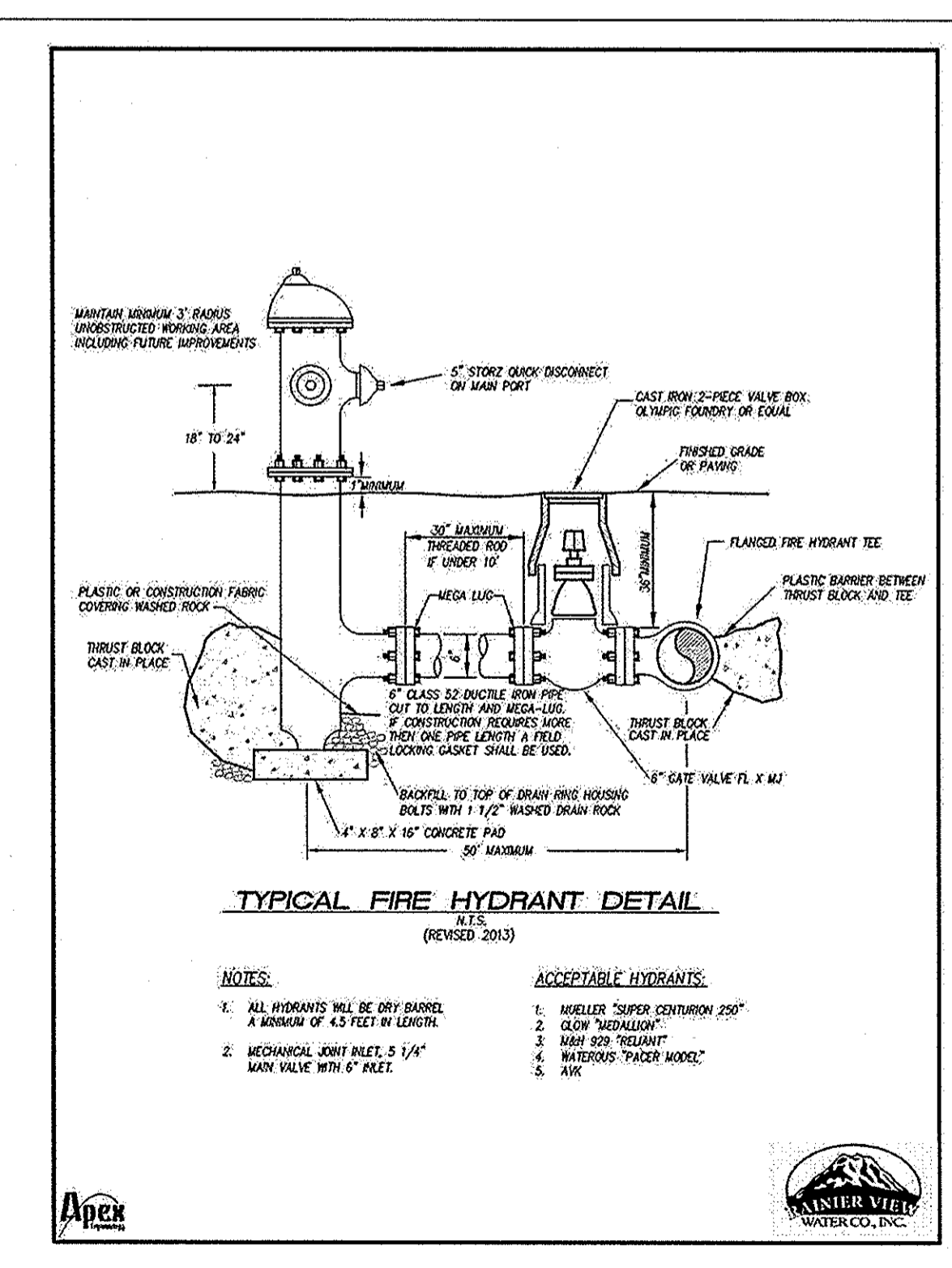
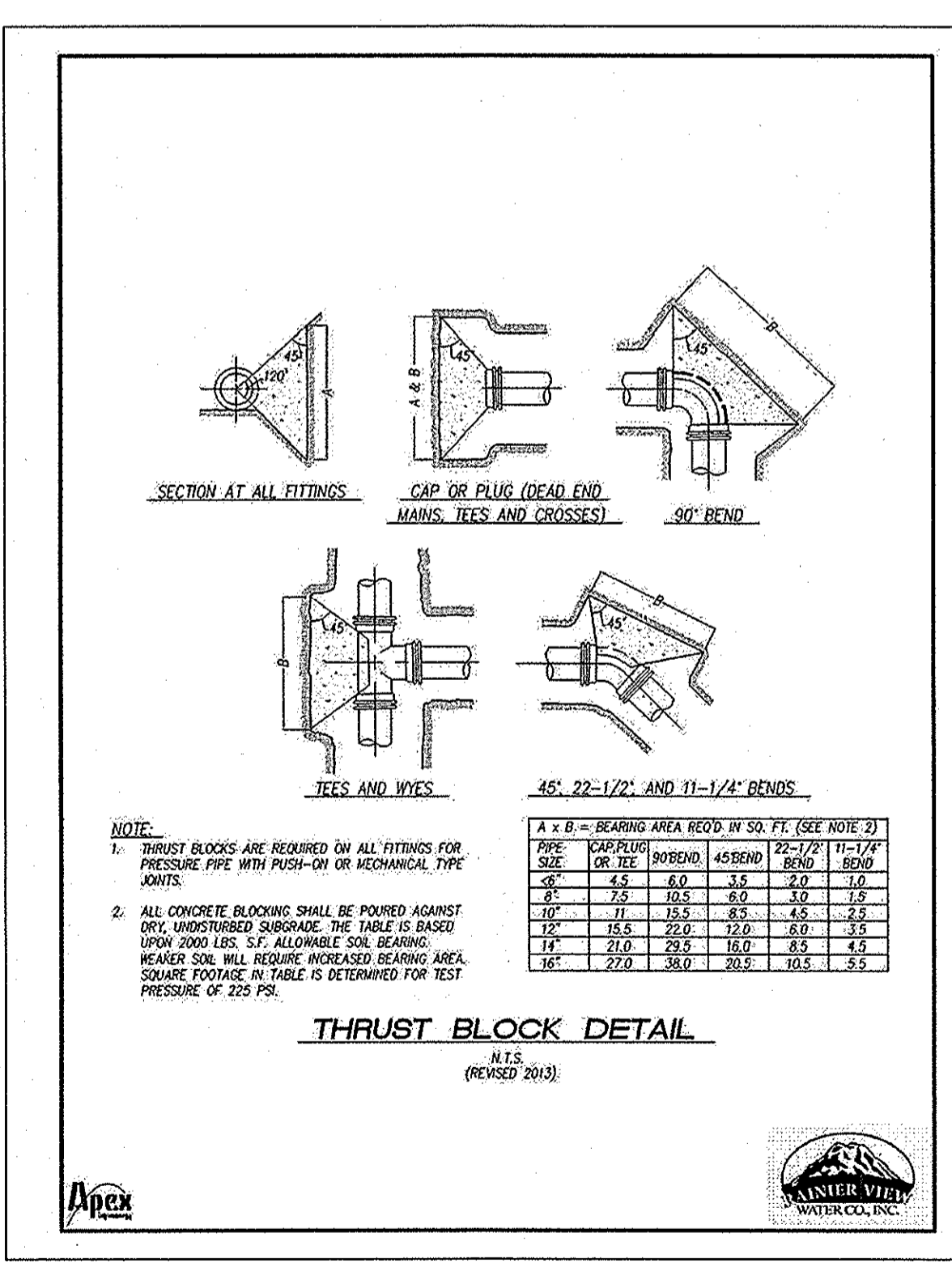
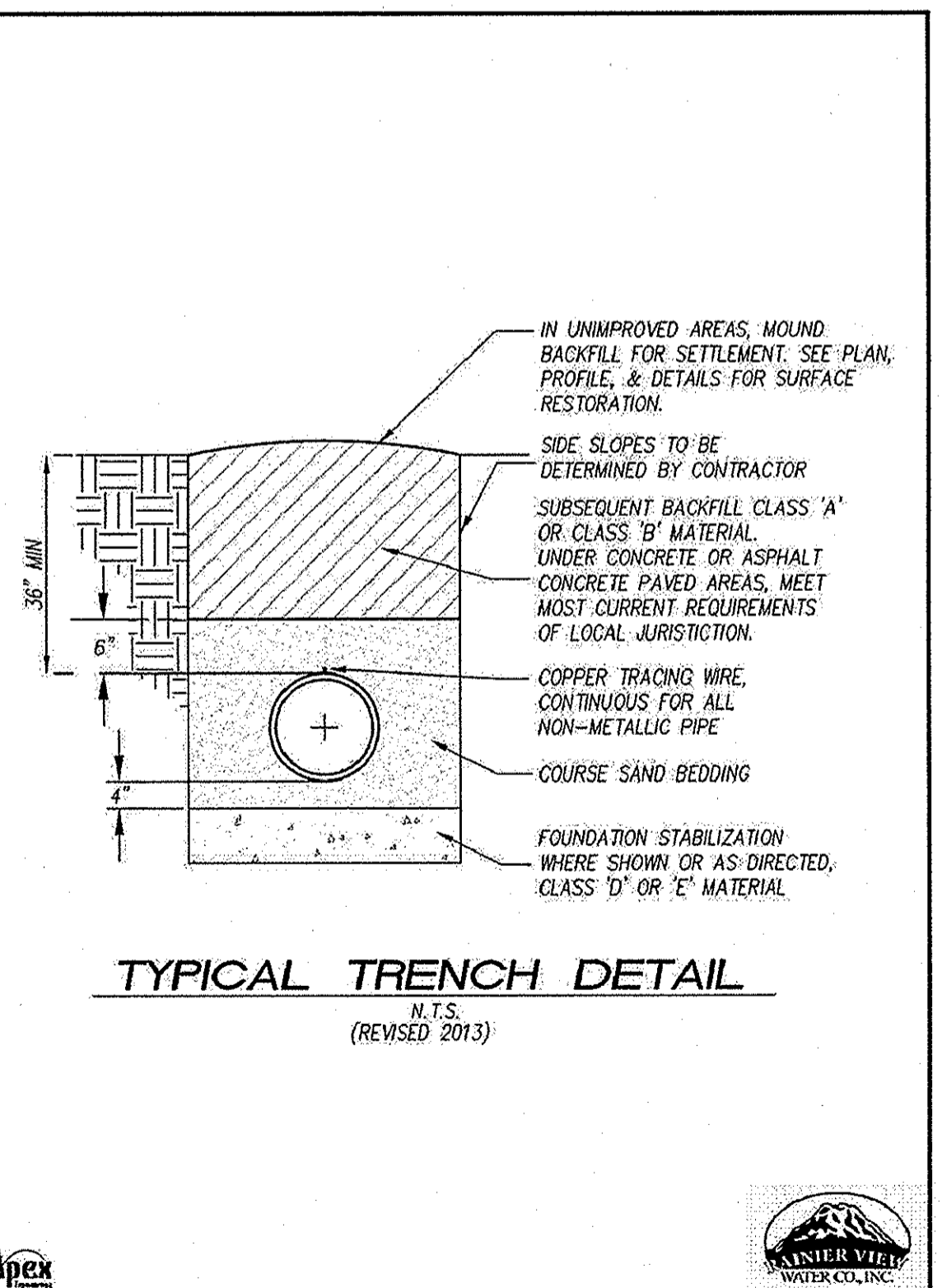
DESIGNED BY: **D. SMITH**  
 DRAWN BY: **M. RUETTIGERS**  
 CHECKED BY: **B. SMITH**  
 APPROVED BY: **B. SMITH**  
 SCALE: **1"=4'**  
 OTHER:

**OLYMPIC TOWNE CENTER**

|                   |                                  |  |
|-------------------|----------------------------------|--|
| <b>FINAL</b>      | <b>EN-14-0128</b>                |  |
| <b>PRV DETAIL</b> | DRAWING NO.<br><b>09-536E-WL</b> |  |
|                   | SHEET 43 OF 52<br><b>WL-13</b>   |  |



**DAVID EVANS AND ASSOCIATES INC.**  
 3700 Pacific Hwy, East, Suite 311  
 Tacoma, Washington 98424  
 Phone: 253.922.9780



**GENERAL NOTES (WATER CONSTRUCTION)**

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH RAINIER VIEW WATER STANDARDS AND THE MOST CURRENT COPY OF THE STATE OF WASHINGTON STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, AND MUNICIPAL CONSTRUCTION.
2. A PRECONSTRUCTION MEETING SHALL BE HELD WITH THE CITY PRIOR TO THE START OF CONSTRUCTION.
3. WATER MAINS SHALL BE DUCTILE IRON CEMENT MORTAR LINED THICKNESS CLASS 52.
4. GATE VALVES SHALL BE RESILIENT WEDGE, WHS (NON-RISING STEM) WITH O-RING SEALS. VALVE ENDS SHALL BE MECHANICAL JOINT OR ANSI FLANGES. VALVES SHALL CONFORM TO ANSI A 213. VALVES SHALL BE MH 4067 OR APPROVED EQUAL. EXISTING VALVES TO BE OPERATED BY CITY EMPLOYEES ONLY. HYDRANTS SHALL BE MUELLER CENTURION, CLOW MEDALIAN, OR MH 929. HYDRANTS SHALL BE BAGGED UNTIL SYSTEM IS APPROVED.
5. ALL LINES SHALL BE COLOR-CODED AND TESTED IN CONFORMANCE WITH THE ABOVE REFERENCED SPECIFICATION (NOTE 1).
6. ALL PIPE AND SERVICES SHALL BE INSTALLED WITH CONTINUOUS TRACER TAPE INSTALLED 12" TO 18" UNDER THE FINAL GROUND SURFACE. THE MARKER SHALL BE PLASTIC NON-Biodegradable, METAL CORE, OR BACKING MARKED WATER WHICH CAN BE DETECTED BY STANDARD METAL DETECTOR. TAPE SHALL BE TERA TAPE 1" OR APPROVED EQUAL. IN ADDITION TO TRACER TAPE, INSTALL 14 GAUGE COATED COPPER WIRE, WRAPPED AROUND THE PIPE, BROUGHT UP AND TIED OFF AT VALVE BODY.
7. PROVIDE TRAFFIC CONTROL PLAN(S) AS REQUIRED IN ACCORDANCE WITH MUTCD.
8. ALL WATER MAINS SHALL BE STAKED FOR GRADES AND ALIGNMENT BY AN ENGINEERING OR SURVEYING FIRM CAPABLE OF PERFORMING SUCH WORK.
9. CALL UNDERGROUND LOCATE AT 1-800-424-5555 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATIONS.
10. WHERE CONNECTIONS REQUIRED FIELD VERIFICATION, CONNECTION POINTS WILL BE EXPOSED BY CONTRACTOR AND FITTING VERIFIED 48 HOURS PRIOR TO DISTURBING SHUT-DOWN NOTICES.
11. AT ANY CONNECTION TO AN EXISTING LINE WHERE A NEW VALVE IS NOT INSTALLED, THE EXISTING VALVE MUST BE PRESURE TESTED TO CITY STANDARDS PRIOR TO CONNECTION. IF AN EXISTING VALVE FAILS TO PASS THE TEST, THE CONTRACTOR SHALL MAKE THE NECESSARY PROVISIONS TO TEST THE NEW LINE PRIOR TO CONNECTION TO THE EXISTING SYSTEM OR INSTALL A NEW VALVE.
12. WHEN FIRE FLOW WILL BE INTERRUPTED, THE GIG HARBOR FIRE MARSHAL AND PIERCE COUNTY FIRE DISTRICT #5 SHALL BE GIVEN 24 HOURS NOTICE OF TIME PERIOD AND LOCATIONS AFFECTED.

**811**  
 Know what's below.  
 Call before you dig.

*Rhonda D...*  
**DESIGN APPROVAL, DATE 6-14-16**  
**RAINIER VIEW WATER COMPANY**

REVISIONS

|                            |           |                                                                 |
|----------------------------|-----------|-----------------------------------------------------------------|
| REVISOR                    | DATE      | DESCRIPTION                                                     |
| DAVID EVANS AND ASSOCIATES | 6/13/2016 | REVISED PER RAINIER VIEW WATER COMPANY COMMENTS DATED 6/13/2016 |

**PACWEST ENGINEERING, LLC**  
 10209 Bridgeport Way SW, Suite C-1  
 Lakewood, WA 98499  
 Phone (253) 830-5960  
 Fax (253) 830-5999

**DESIGNED BY: D. SMITH**  
**DRAWN BY: M. RUETTIGERS**  
**CHECKED BY: B. SMITH**  
**APPROVED BY: B. SMITH**  
**SCALE: 1" = 40'**  
**OTHER:**

**OLYMPIC TOWNE CENTER**

**FINAL**

**EN-14-0128**  
 DRAWING NO.  
**09-536E-WLDETAILS**  
 SHEET 44 OF 52  
**WL-14**