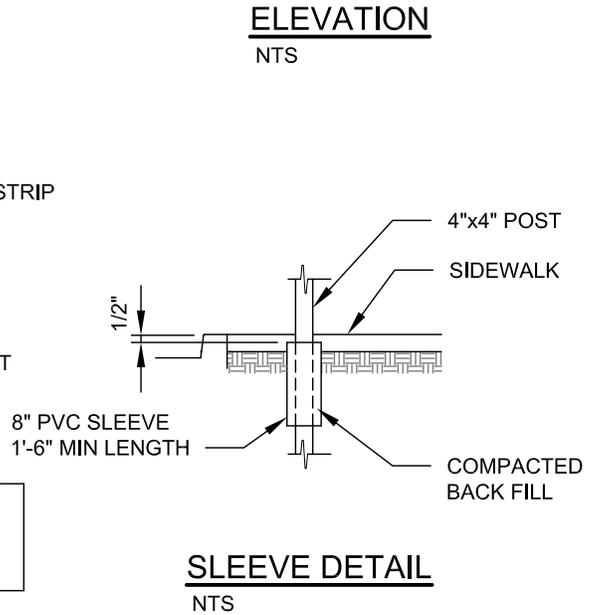
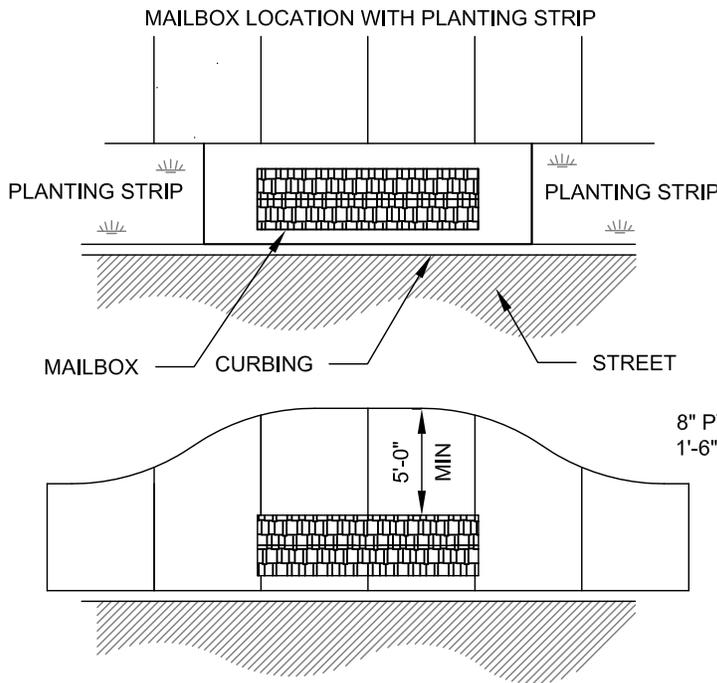
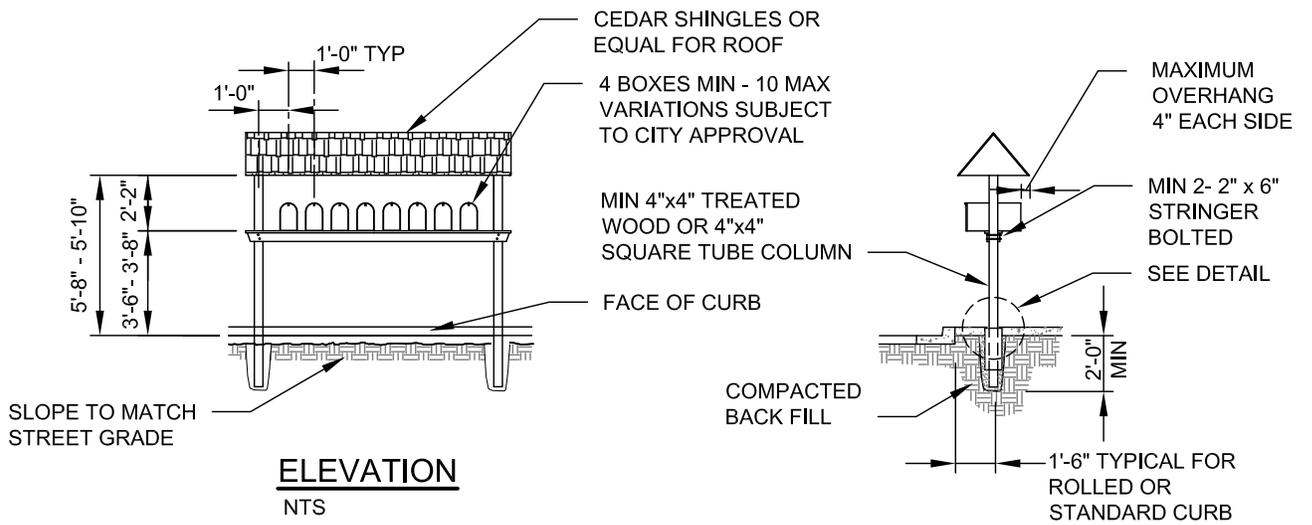


# Section 9

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## Miscellaneous



NOTES:

1. MAILBOX MUST BE POSTMASTER APPROVED WITH A UNIFORM BOX STYLE AND METHOD OF ADDRESS IDENTIFICATION.
2. LOCATION IS SUBJECT TO APPROVAL BY CITY FOR PROTECTION OF VIEWS, ACCESS, AND UTILITIES.
3. THE SKETCH DEPICTS A MINIMUM STRUCTURAL AND DIMENSIONAL STANDARD. INNOVATIVE DESIGNS MEETING THE MINIMUM DIMENSIONAL AND STRUCTURAL REQUIREMENTS ARE ACCEPTABLE.
4. DO NOT PLACE MAILBOX OVER CITY UTILITIES.
5. CLUSTER BOX UNIT MAILBOXES APPROVED BY UNITED STATES POSTAL SERVICE (USPS) ARE AN ACCEPTABLE REPLACEMENT FOR THIS MAILBOX STANDARD. (SEE STD DETAIL 901A)

*Paulette Norman*

APPROVED BY: PAULETTE NORMAN  
DEVELOPMENT ENGINEERING MANAGER

REVISION DATE: JULY 01, 2014

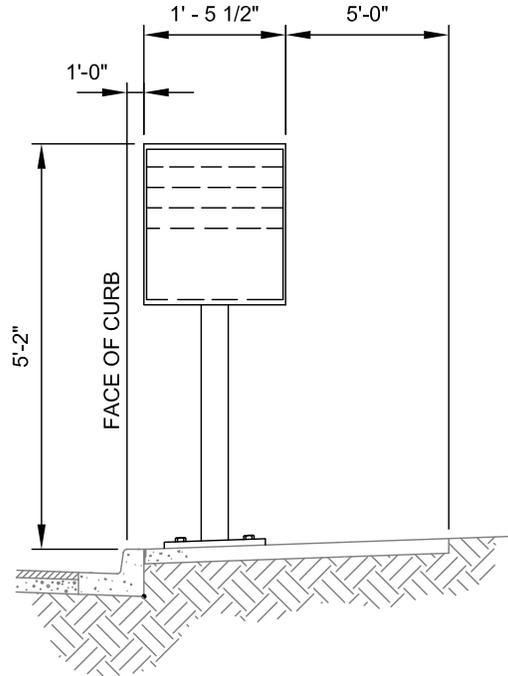


STANDARD DETAILS

**MAILBOX STANDARD**

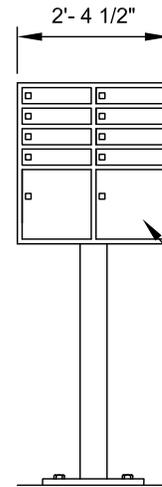
FILE NAME: SD901.DWG

DETAIL NUMBER: **901**



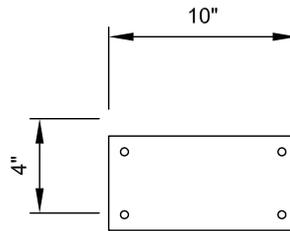
**CURB SECTION**

NTS



**STREET ELEVATION**

NTS



**PEDESTAL BOLT  
BASE PATTERN**

NTS

**NOTES:**

1. MAILBOX MUST BE POSTMASTER APPROVED WITH A UNIFORM BOX STYLE AND METHOD OF ADDRESS IDENTIFICATION.
2. LOCATION IS SUBJECT TO APPROVAL BY CITY FOR PROTECTION OF VIEWS, ACCESS, AND UTILITIES.
3. DO NOT PLACE MAILBOX OVER CITY UTILITIES.
4. TYPE AND LOCATION OF CLUSTER BOX UNITS (CBU) INCLUDING PEDESTAL, BASE PLATE, BREAKAWAY BOLTS AND ASSOCIATED CONCRETE SLAB SHALL BE APPROVED BY THE U.S. POSTAL SERVICE.
5. INSTALLATION OF CBU WILL BE DONE BY DEVELOPER. CONTACT GLEN MILLEY AT REDMOND POST OFFICE 425-885-0252 FOR A LIST OF SUPPLIERS. FOLLOWING INSTALLATION, POST OFFICE WILL ASSIGN NUMBERS AND INSTALL THEIR LOCKS.
6. OLD MAIL BOXES MUST BE REMOVED TO MEET CITY STANDARDS.

*Paulette Norman*

APPROVED BY: PAULETTE NORMAN  
DEVELOPMENT ENGINEERING MANAGER

REVISION DATE: JULY 01, 2014

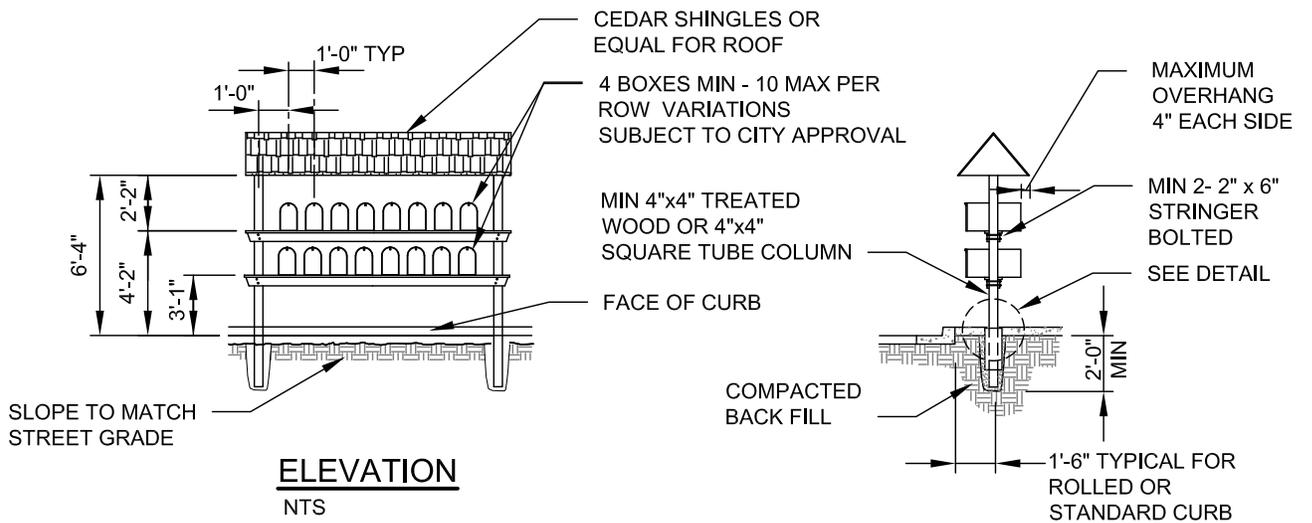


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STANDARD DETAILS

**CLUSTER BOX MAILBOX  
STANDARD**

FILE NAME: SD901A.DWG | DETAIL NUMBER: **901A**

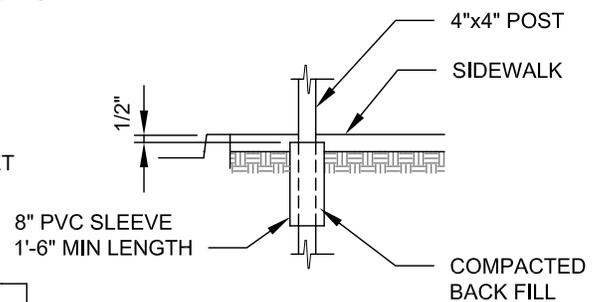
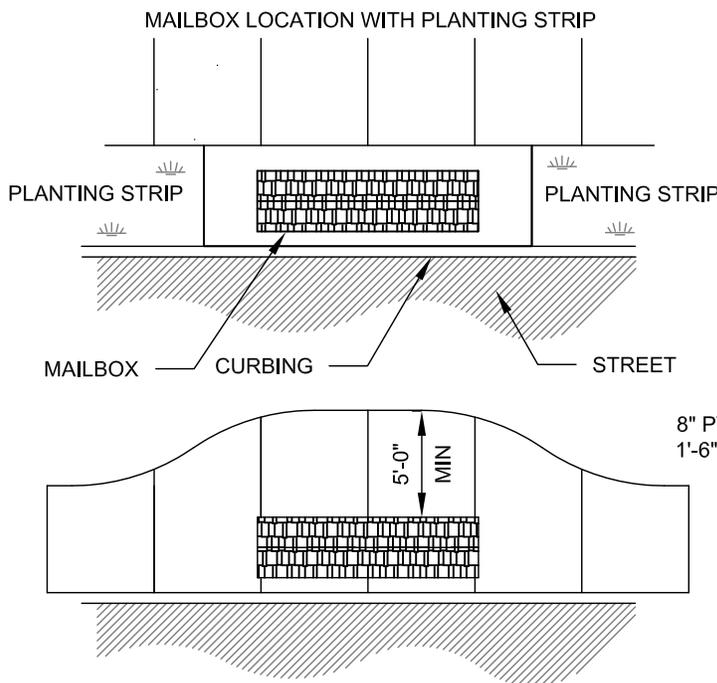


**ELEVATION**

NTS

**ELEVATION**

NTS



**SLEEVE DETAIL**

NTS

MAILBOX LOCATION WITH NO PLANTING STRIP

**PLAN VIEWS**

NTS

NOTES:

1. MAILBOX MUST BE POSTMASTER APPROVED WITH A UNIFORM BOX STYLE AND METHOD OF ADDRESS IDENTIFICATION.
2. LOCATION IS SUBJECT TO APPROVAL BY CITY FOR PROTECTION OF VIEWS, ACCESS, AND UTILITIES.
3. THE SKETCH DEPICTS A MINIMUM STRUCTURAL AND DIMENSIONAL STANDARD. INNOVATIVE DESIGNS MEETING THE MINIMUM DIMENSIONAL AND STRUCTURAL REQUIREMENTS ARE ACCEPTABLE.
4. DO NOT PLACE MAILBOX OVER CITY UTILITIES.
5. CLUSTER BOX UNIT MAILBOXES APPROVED BY UNITED STATES POSTAL SERVICE (USPS) ARE AN ACCEPTABLE REPLACEMENT FOR THIS MAILBOX STANDARD. (SEE STD DETAIL 901A)

*Paulette Norman*

APPROVED BY: PAULETTE NORMAN  
DEVELOPMENT ENGINEERING MANAGER

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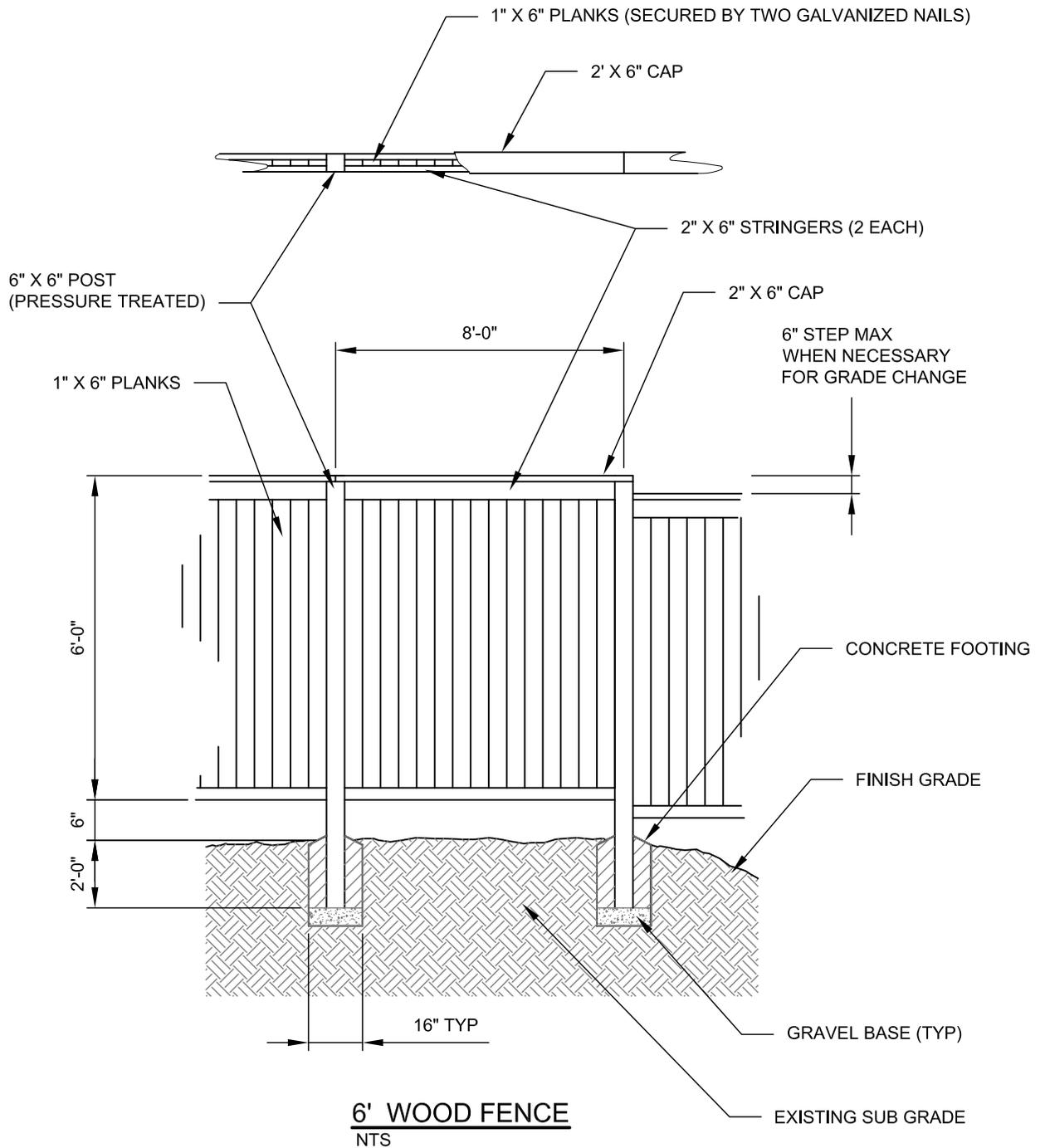
STANDARD DETAILS

**DOUBLE MAILBOX STANDARD**

FILE NAME: SD902.DWG

DETAIL NUMBER: **902**





NOTES:

1. 6' X 6" POSTS NEED TO BE PRESSURE TREATED FIR.
2. ALL OTHER WOOD MEMBERS TO BE CEDAR.
3. ALL NAILS USED SHALL BE GALVANIZED.

*Paulette Norman*

APPROVED BY: PAULETTE NORMAN  
DEVELOPMENT ENGINEERING MANAGER

REVISION DATE: JULY 01, 2014



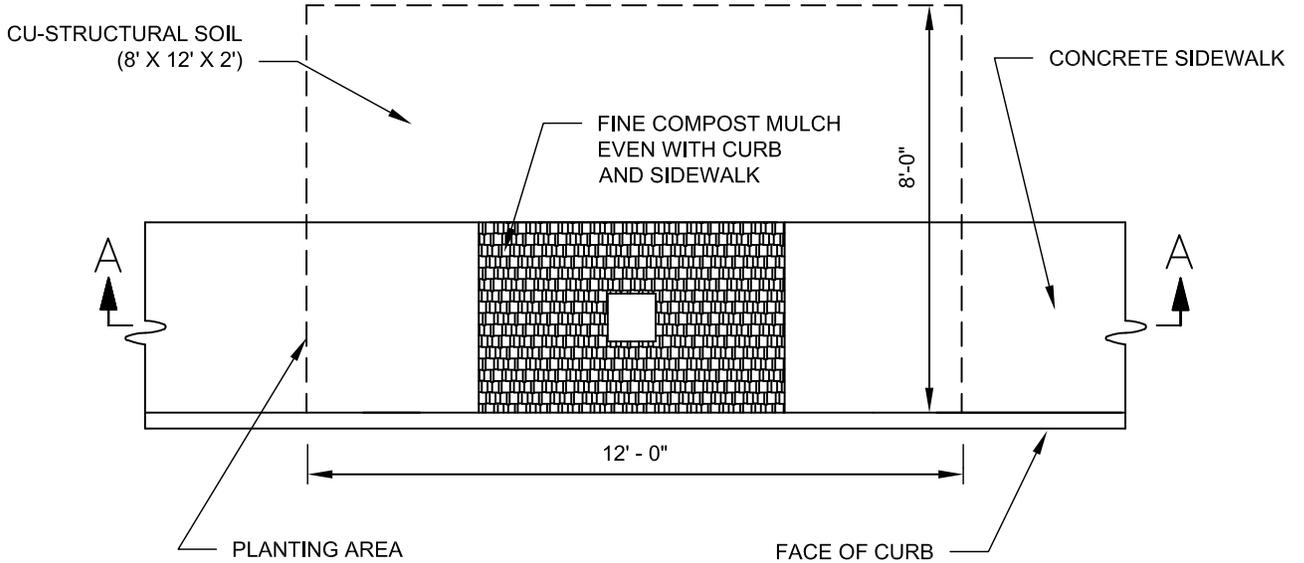
City of Redmond  
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STANDARD DETAILS

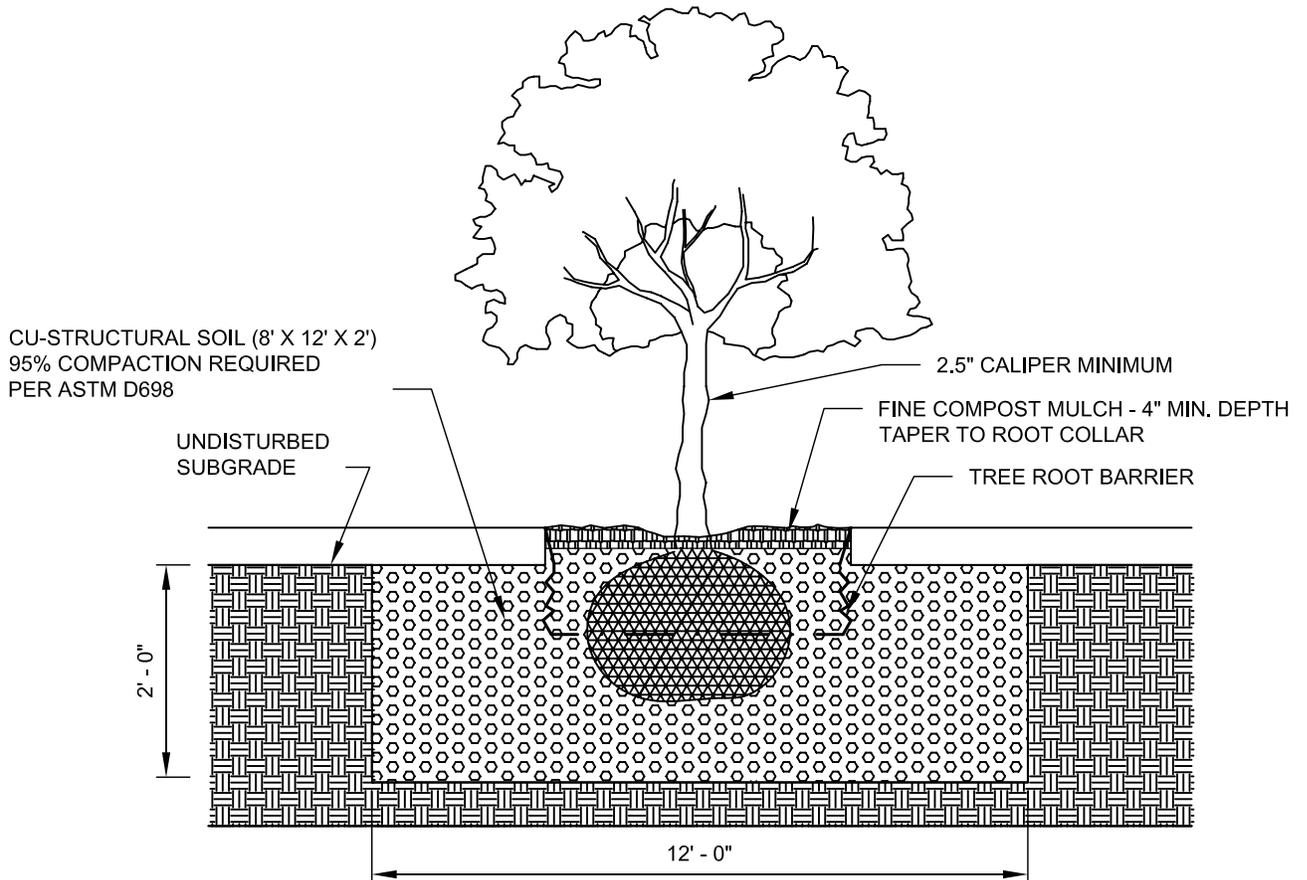
**6' WOOD FENCE**

FILE NAME: SD904.DWG

DETAIL NUMBER: **904**



**PLAN VIEW**  
NTS



NOTE:

CU-STRUCTURAL SOIL SUPPLIED  
BY: PACIFIC TOPSOILS INC,  
BOTHELL, WA OR EQUAL

**SECTION A-A**  
NTS

*Dave Tucheck*

APPROVED BY: DAVE TUCHEK  
PARKS MAINTENANCE AND OPERATIONS MANAGER

REVISION DATE: JULY 01, 2015



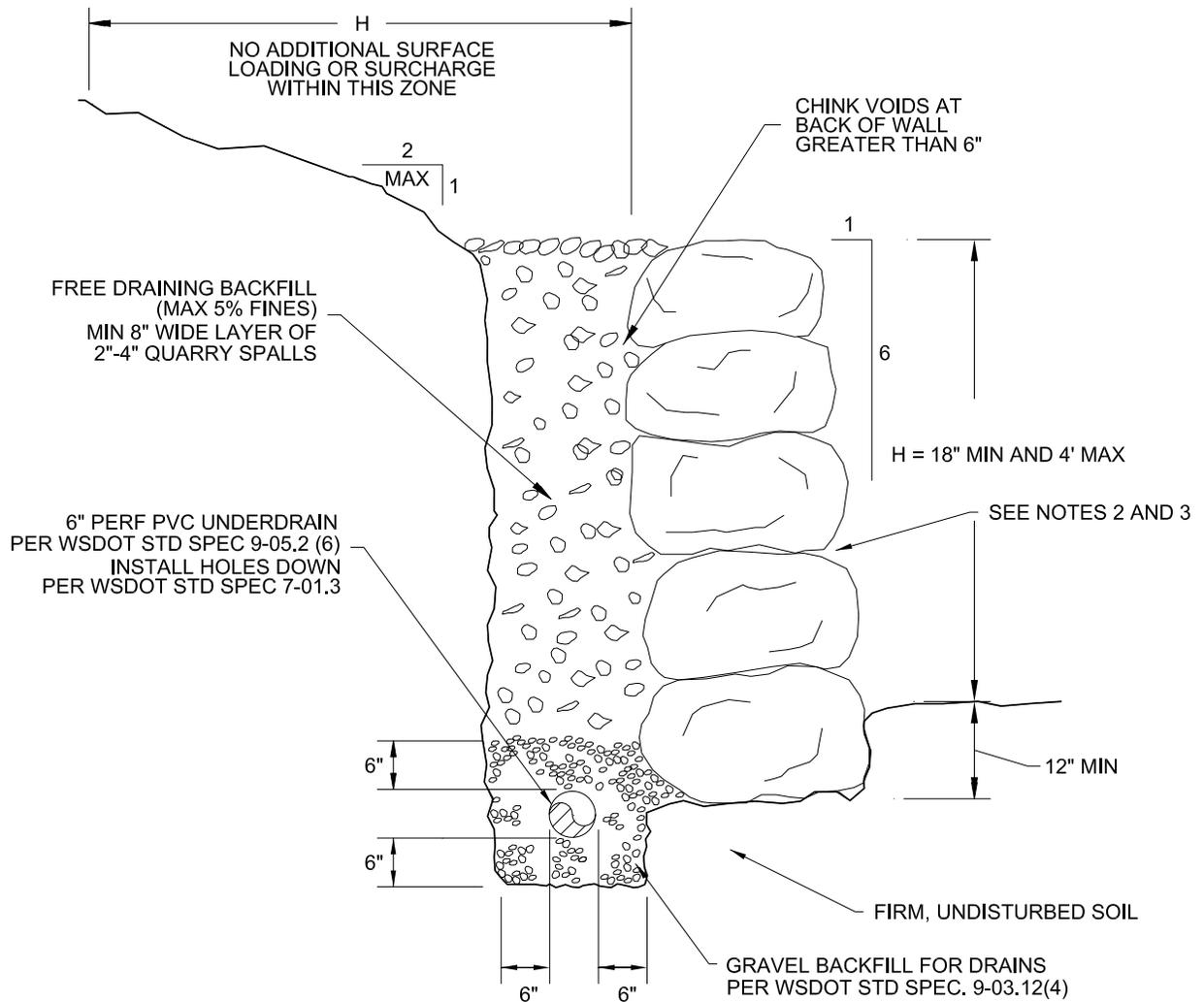
City of Redmond  
WASHINGTON

STANDARD DETAILS

**STRUCTURAL SOIL  
FOR STREET TREES**

FILE NAME: SD907.DWG

DETAIL NUMBER: **907**



NOTES:

1. LONG DIMENSIONS OF THE ROCKS SHALL EXTEND INTO EARTH TO PROVIDE MAXIMUM STABILITY.
2. ROCK SHALL BE PLACED SO AS TO LOCK INTO TWO ROCKS IN THE LOWER TIER.
3. ROCK SHALL BE HARD, SOUND, AND DURABLE MATERIAL, FREE FROM SEAMS, CRACKS, AND OTHER DEFECTS AND SHALL MEET THE REQUIREMENTS OF WSDOT STD. SPEC 9-13.7. SIZE OF ROCK USED SHALL BE IN ACCORDANCE WITH "STANDARD ROCK WALL CONSTRUCTION GUIDELINES" OF THE ASSOCIATED ROCKERY CONTRACTORS (ARC).
4. DRAINAGE IS REQUIRED BEHIND ROCK WALL, IF ADJACENT TO CITY RIGHT-OF-WAY, AND HEIGHT (H) GREATER THAN 18 INCHES.
5. DRAIN PIPE SHALL BE TIGHT LINED TO THE STORM SYSTEM USING CARSON BOXES FOR CLEANOUTS.
6. WHERE H (HEIGHT OF ROCK WALL) IS 30 INCHES OR MORE BELOW THE FINISHED ELEVATION OF THE SIDEWALK OR OTHER FACILITY, A SAFETY RAILING SHALL BE CONSTRUCTED PER STANDARD DETAIL NO. 321.
7. ROCKERIES MUST BE ACCESSIBLE BY MAINTENANCE VEHICLES.
8. CLEANOUTS ON ALL BENDS WITH CARSON BOXES AND AT EVERY 100 LF.

*Paulette Norman*

APPROVED BY: PAULETTE NORMAN  
DEVELOPMENT ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015



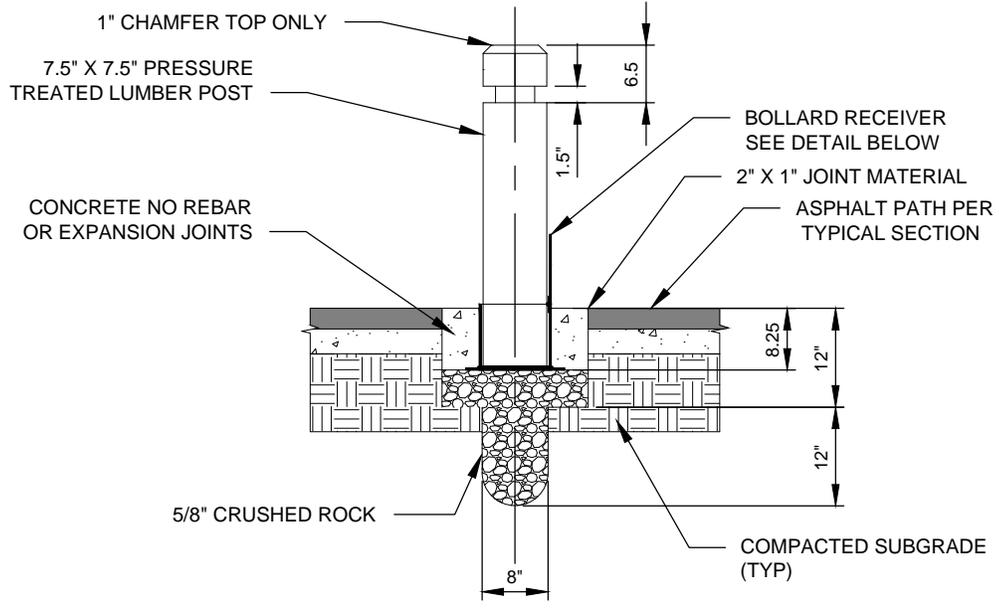
City of Redmond  
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STANDARD DETAILS

**ROCK WALL  
UNDER 4 FEET**

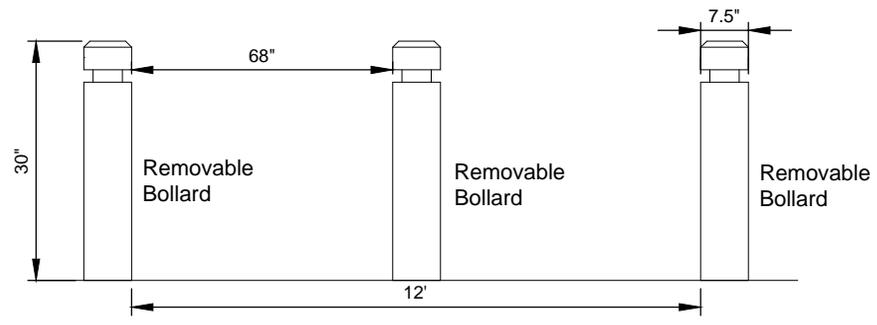
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DETAIL NUMBER: **909**



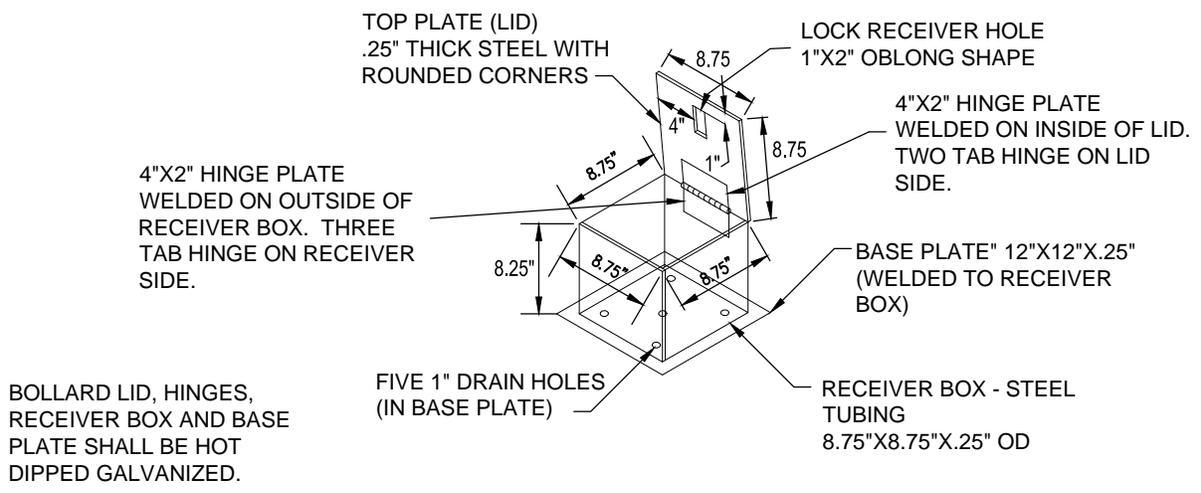
**BOLLARD ELEVATION**

NTS



**BOLLARD SPACING**

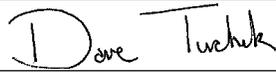
NTS



BOLLARD LID, HINGES, RECEIVER BOX AND BASE PLATE SHALL BE HOT DIPPED GALVANIZED.

**REMOVABLE BOLLARD RECEIVER**

NTS

		STANDARD DETAILS	
APPROVED BY: DAVE TUCHEK PARKS MAINTENANCE AND OPERATIONS MANAGER		<b>BOLLARD</b>	
REVISION DATE: MARCH 01, 2016		FILE NAME: SD911.DWG	DETAIL NUMBER: 911

① CONTROLLER CABINET - VIT INC. - STRONG BOX  
 METERED - SB-24SS/120V  
 NON-METERED - SB-24SS

② RISER PEDESTAL - VIT INC. - STRONG BOX  
 PED-24SS (12") REQ. ON NON-METERED  
 CABINET

③ FOUNDATION - VIT INC. - STRONGBOX  
 METERED CABINET - QUICKPAD - QP-M  
 NON METERED CABINET - QUICKPAD QP-24

④ BACK PANEL - STAINLESS STEEL  
 FOR WALL AND CABINET MOUNT (TYP.)

⑤ CONTROLLER: RAINBIRD ESP-XX, SAT OR  
 SITE-W CONTROLLER WITH REMOTE  
 RECEIVER CARD (#01060UP).

⑥ IF USING ESP-SAT - USE CCU 6 (JR)

⑦ RJ-11 PHONE JACK AND HARDLINE PHONE  
 SERVICE (REQ.).

⑧ TERMINAL BOX W/ TERMINAL STRIPS.

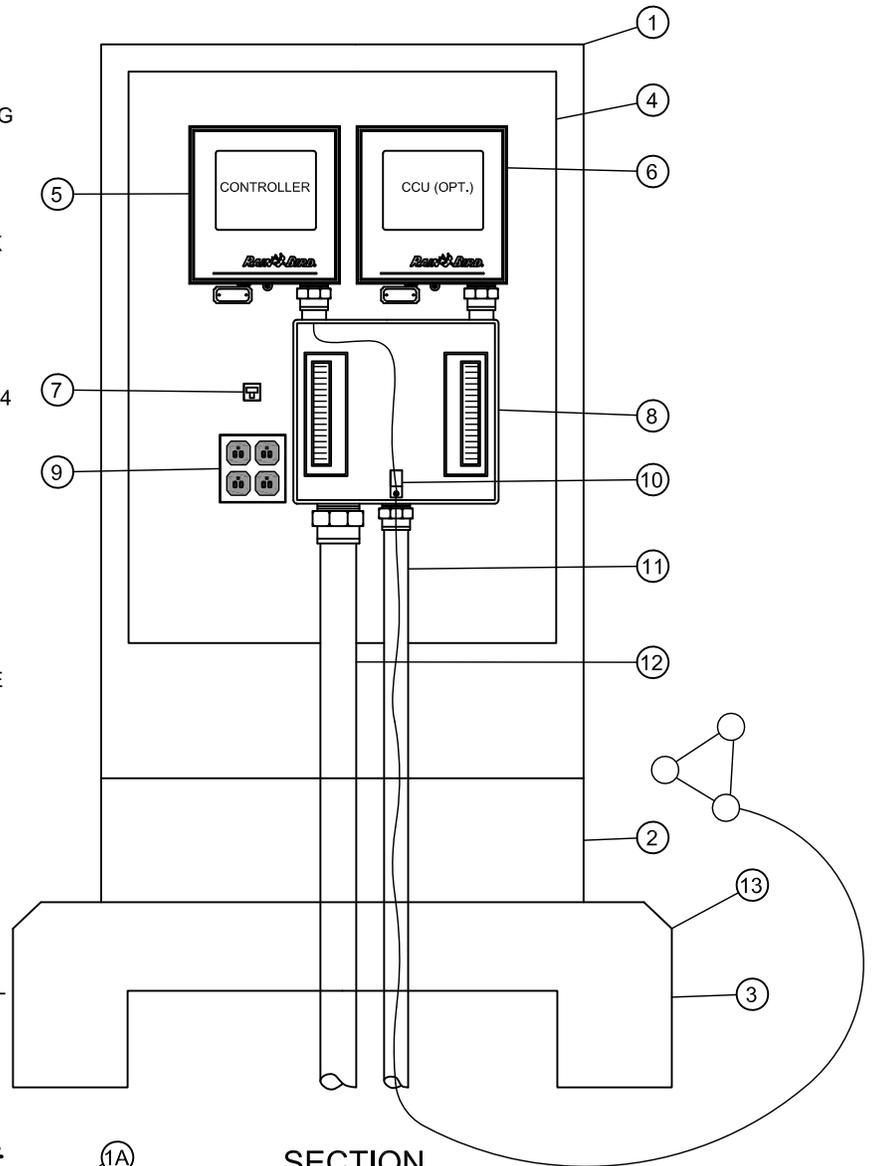
⑨ GFI OUTLET

⑩ GROUND LUG.

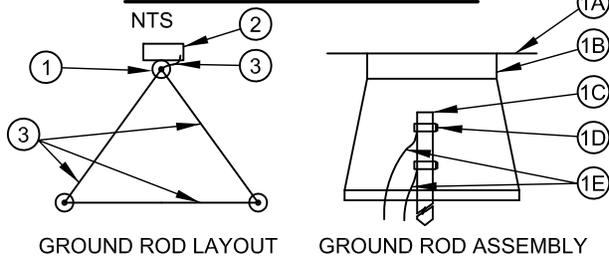
⑪ 1" CONDUIT FOR GROUND WIRE FROM  
 GROUNDING GRID (TYP.).

⑫ 2" CONDUIT FOR STATION ZONE CONTROL  
 WIRES

⑬ FINISHED GRADE



**GROUND GRID DETAIL**



**SECTION**

NTS

① GROUND ROD ASSEMBLY

- ①A FINAL GRADE
- ①B 8" VALVE BOX
- ①C 8" COPPER CLAD GROUND ROD
- ①D GROUND ROD CLAMPS
- ①E MIN 10-1 BARE COPPER

② PROTECTED DEVICE  
 BARE COPPER GROUND WIRE

NOTES:

- 1. MINIMUM 8' SPACING BETWEEN RODS
- 2. USE 10g (MINIMUM) BARE COPPER WIRE
- 3. WIRE FROM EQUIPMENT TO FIRST ROD SHOULD BE AS SHORT AND STRAIGHT AS POSSIBLE.
- 4. USE SEPARATE CLAMP FOR EACH WIRE

*Dave Tucheck*

APPROVED BY: DAVE TUCHEK  
 PARKS MAINTENANCE AND OPERATIONS MANAGER

REVISION DATE: JULY 01, 2014

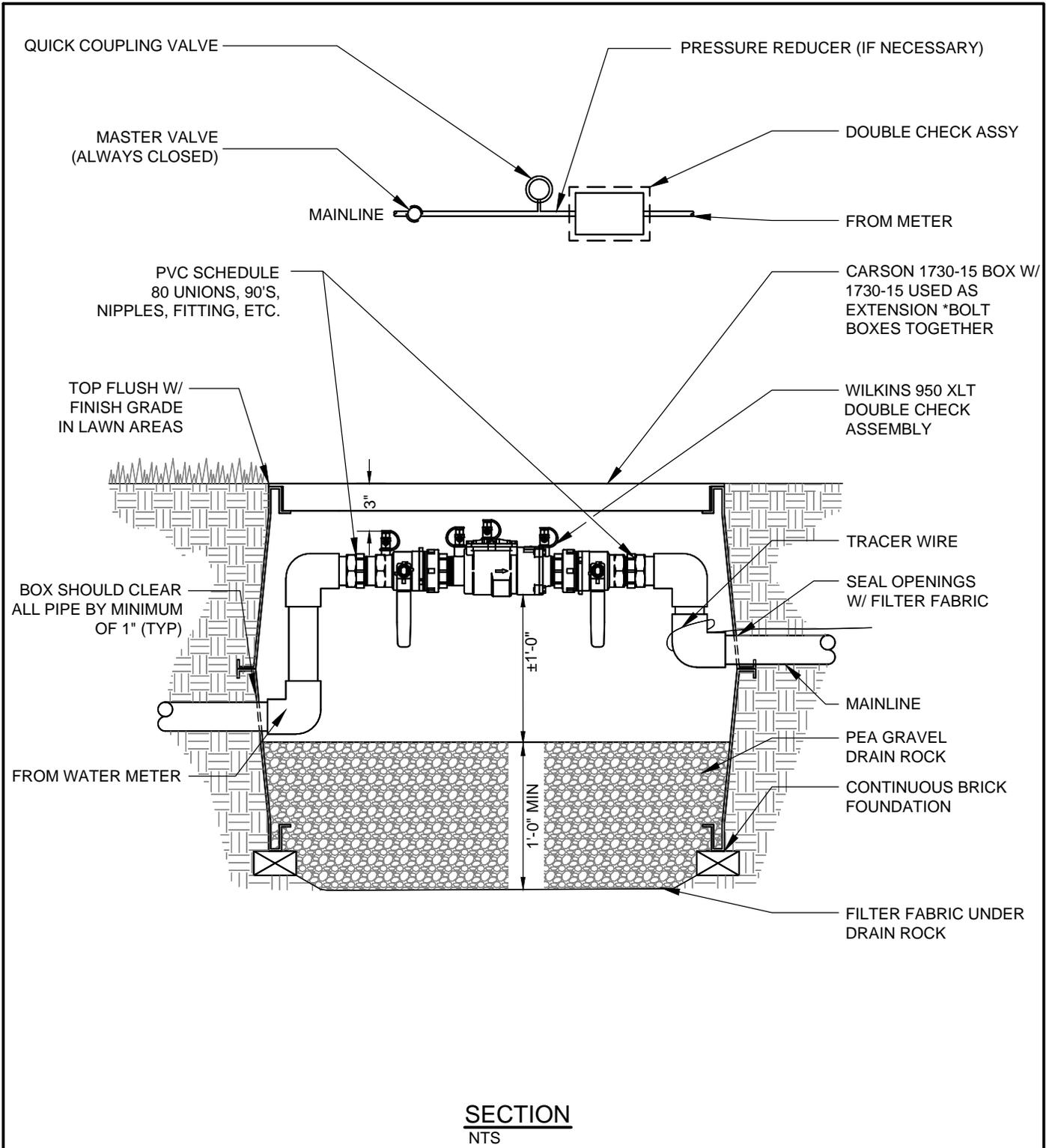


STANDARD DETAILS

**IRRIGATION CONTROL PANEL  
 AND CABINET**

FILE NAME: SD920.DWG

DETAIL NUMBER: **920**

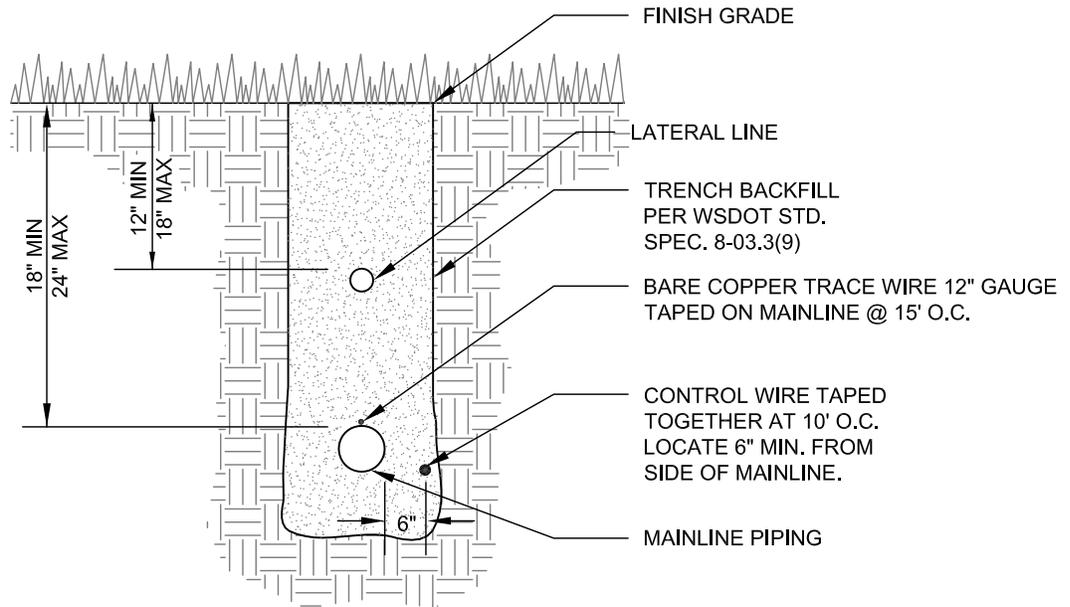


**SECTION**  
NTS

*Dave Tucheck*  
 APPROVED BY: DAVE TUCHEK  
 PARKS MAINTENANCE AND OPERATIONS MANAGER  
 REVISION DATE: MARCH 01, 2016



STANDARD DETAILS  
**PARKS DOUBLE CHECK VALVE**  
 FILE NAME: SD921.DWG    DETAIL NUMBER: 921



**SECTION**  
NTS

NOTES:

1. SEE STD. SPEC. 9-15.05 FOR REDMOND PARKS IRRIGATION STANDARDS.

*Dave Tucheck*

APPROVED BY: DAVE TUCHEK  
PARKS MAINTENANCE AND OPERATIONS MANAGER

REVISION DATE: JULY 01, 2014



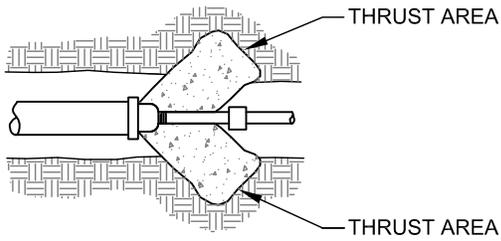
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STANDARD DETAILS

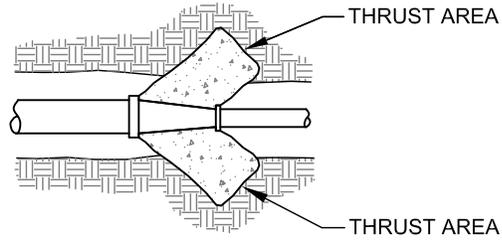
**IRRIGATION  
TRENCH**

FILE NAME: SD922.DWG

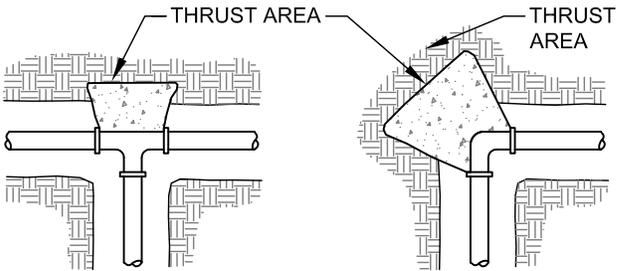
DETAIL NUMBER: **922**



CAPS / PLUGS

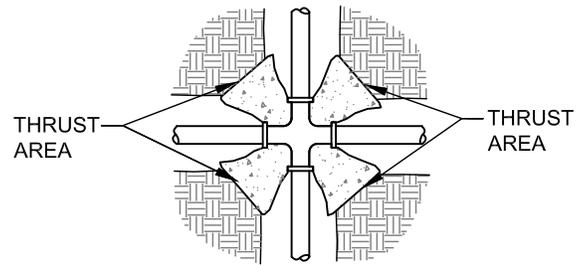


REDUCERS



TEES

ELLS



CROSSES

FITTING SIZES	BEARING AREA OF BLOCK IN SQUARE FEET			
	TEES & ENDS	90° BEND	45° BEND	22.5° BEND
4"	1-1/2	2	1-1/2	1-1/2

ALL BLOCKING SHALL BE Poured AGAINST FIRM UNDISTURBED SOIL.  
 SOIL BEARING PRESSURE SHALL EXCEED 4,500 LB PER SQUARE FOOT  
 FOR ABOVE AREAS.

SECTION

NTS

*Dave Tucheck*

APPROVED BY: DAVE TUCHEK  
 PARKS MAINTENANCE AND OPERATIONS MANAGER

REVISION DATE: JULY 01, 2014



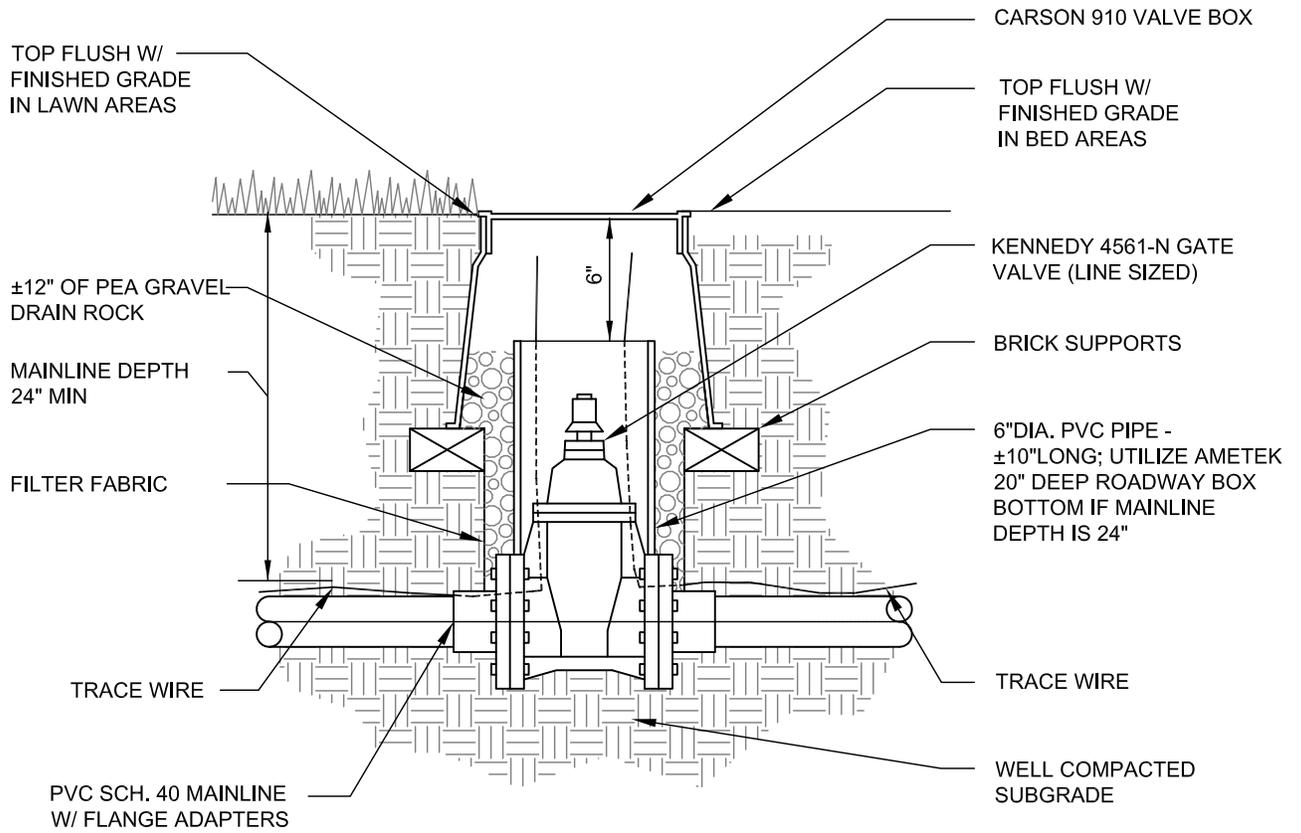
City of Redmond  
 WASHINGTON

STANDARD DETAILS

**THRUST BLOCK**

FILE NAME: SD718.DWG

DETAIL NUMBER: **923**



**SECTION**  
NTS

*Dave Tucheck*

APPROVED BY: DAVE TUCHEK  
PARKS MAINTENANCE AND OPERATIONS MANAGER

REVISION DATE: JULY 01, 2014



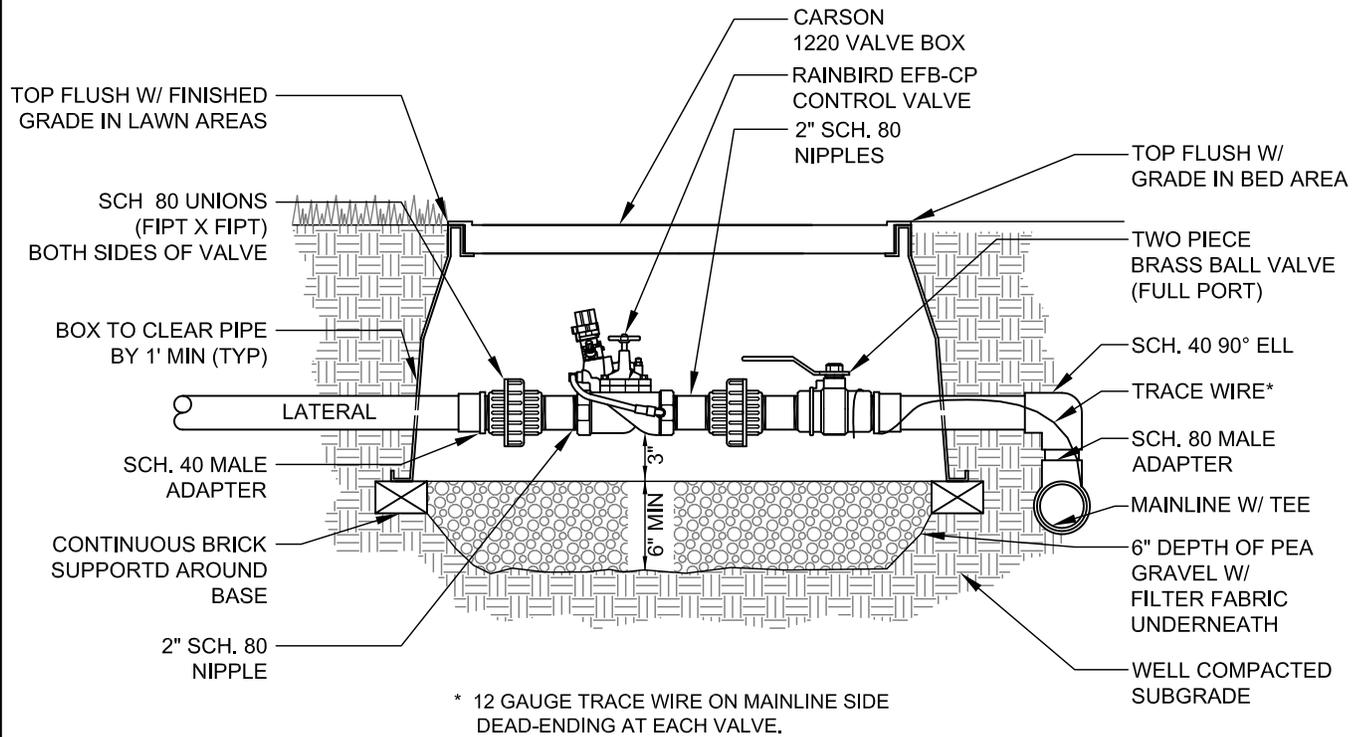
City of Redmond  
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STANDARD DETAILS

**SYSTEM GATE VALVE**

FILE NAME: SD925.DWG

DETAIL NUMBER: **925**



**SECTION**  
NTS

NOTES:

1. ALL WIRE INSTALLATIONS WILL BE IN COMPLIANCE WITH APPLICABLE CODES.
2. BUNDLE AND TAPE WIRE EVERY 10 FEET. SET WIRE 6 INCHES FROM MAINLINE.
3. PROVIDE EXPANSION COILS AT EACH WIRE CONNECTION IN VALVE BOX.
4. COMPACT SOIL AROUND VALVE BOX TO SAME DENSITY AS UNDISTURBED ADJACENT SOIL.
5. PLACE FILTER FABRIC OVER OPENINGS (OUTSIDE) TO PREVENT SOIL FROM ENTERING BOX.
6. VALVE BOX SHALL NOT REST ON PIPES. PROVIDE 1 INCH CLEARANCE AROUND ALL PIPES.

*Dave Tucheck*

APPROVED BY: DAVE TUCHEK  
PARKS MAINTENANCE AND OPERATIONS MANAGER

REVISION DATE: JULY 01, 2014



City of Redmond  
WASHINGTON

STANDARD DETAILS

**CONTROL VALVE**

FILE NAME: SD718.DWG

DETAIL NUMBER: **926**

TOP FLUSH W/  
FINISH GRADE  
IN LAWN

6" DEPTH  
PEA GRAVEL  
DRAIN ROCK

BRICK  
SUPPORTS

MAINLINE DEPTH  
18" MIN - 24" MAX

TRACER WIRE

MAINLINE TEE  
(SLIPXSLIPXSLIP)

6" MIN.

1"Ø-SCH. 40

10" ROUND  
VALVE BOX

NOTE: VALVE KEY  
HANDLE TO CLEAR TOP  
OF BOX BY 2" MINIMUM.

2.5"±  
CLEAR

QUICK COUPLING VALVE  
1" RAINBIRD 44RC  
(NON-LOCKING)

HOSE  
CLAMP

FILTER FABRIC

1/2" REBAR SECURED  
TO QUICK COUPLER

DURA QC STANDARD UNIBODY  
#1-A4-1-11-12  
(INCLUDES QUICK LOCK)  
INSTALL W/ A 30°-60° RISE FROM  
HORIZONTAL PLANE.

**SECTION**

NTS

*Dave Tuckek*

APPROVED BY: DAVE TUCHEK  
PARKS MAINTENANCE AND OPERATIONS MANAGER

REVISION DATE: JULY 01, 2014



City of Redmond  
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STANDARD DETAILS

**QUICK COUPLER**

FILE NAME: SD718.DWG

DETAIL NUMBER: **927**

TOP FLUSH W/  
FINISHED GRADE  
IN LAWN AREAS

FLUSH W/  
FINISHED GRADE  
IN BED AREA

RAINBIRD 5000 AND  
6500 SERIES ROTORS

TRIPLE SWING JOINT  
FOR 5000 AND  
6500 SERIES

MARLEX MIPT X FIPT  
90 DEG. STREET ELLS

12" MIN. - 18" MAX  
LATERAL LINE DEPTH

45° OR LESS

LATERAL LINE

SLIP X FIPT X SLIP  
LATERAL LINE TEE

MARLEX MIPT X FIPT  
90 DEG. STREET ELL

**SECTION**

NTS

*Dave Tucheck*

APPROVED BY: DAVE TUCHEK  
PARKS MAINTENANCE AND OPERATIONS MANAGER

REVISION DATE: MARCH 01, 2016



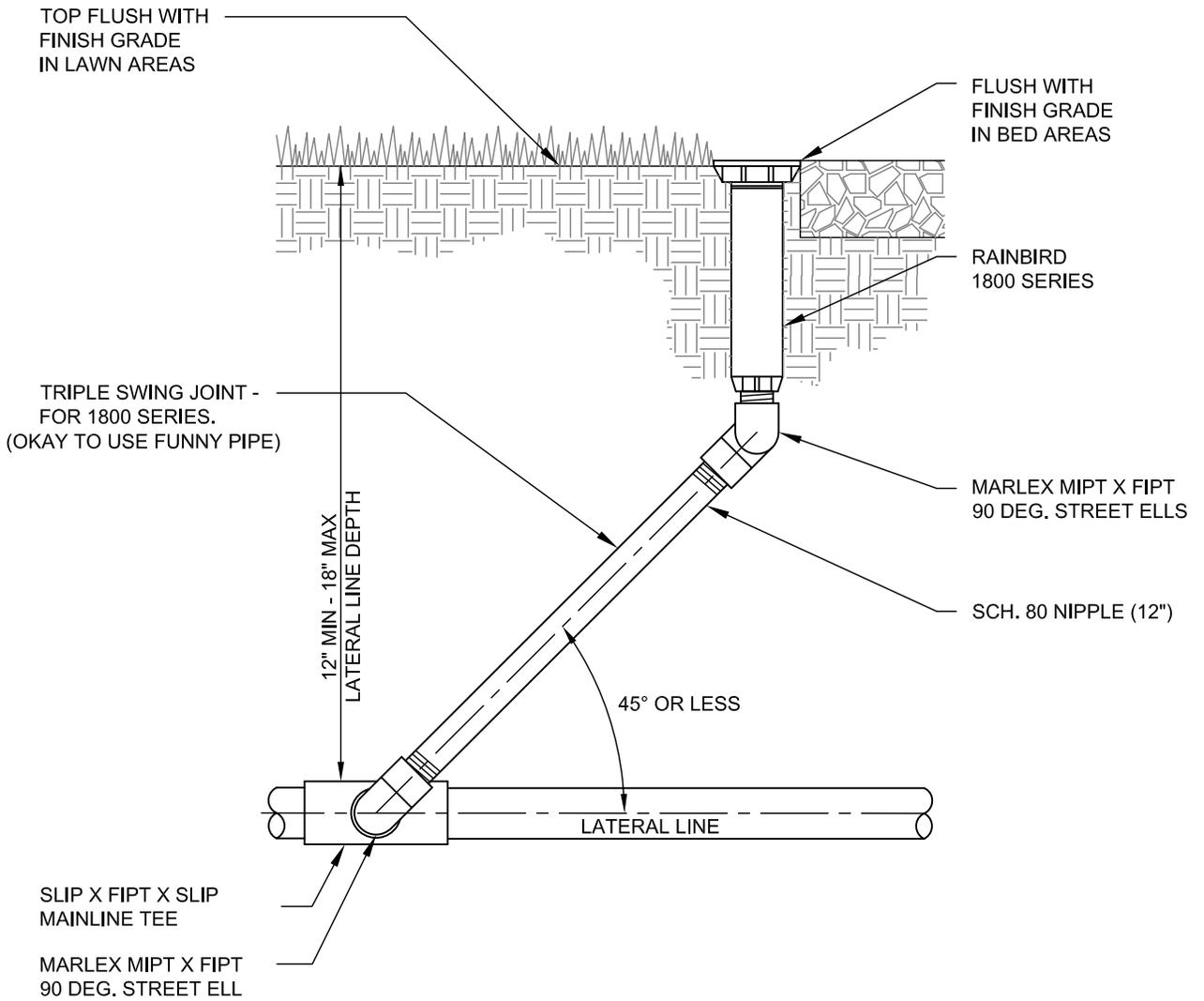
City of Redmond  
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STANDARD DETAILS

RAINBIRD 5000 AND 6500 SERIES  
HEAD AND SWING JOINT

FILE NAME: SD928.DWG

DETAIL NUMBER: 928



**SECTION**  
NTS

*Dave Tucek*

APPROVED BY: DAVE TUCHEK  
PARKS MAINTENANCE AND OPERATIONS MANAGER

REVISION DATE: JULY 01, 2014



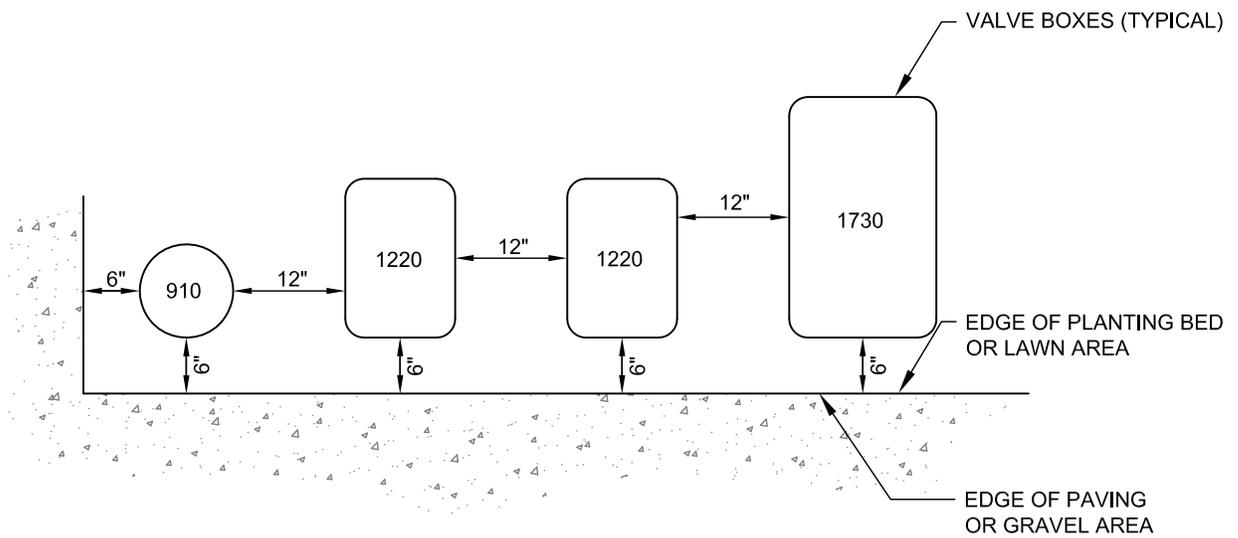
City of Redmond  
WASHINGTON

STANDARD DETAILS

**RAINBIRD 1800 SERIES  
HEAD AND SWING JOINT**

FILE NAME: SD929.DWG

DETAIL NUMBER: **929**



**SECTION**  
NTS

NOTES:

TO FACILITATE REMOVAL AND SERVICING.

1. CENTER VALVE BOX OVER VALVE
2. SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGE.
3. AVOID OVER COMPACTING SOIL AROUND VALVE BOXES TO PREVENT COLLAPSE AND DEFORMATION OF VALVE BOXES.

*Dave Tucheck*

APPROVED BY: DAVE TUCHEK  
PARKS MAINTENANCE AND OPERATIONS MANAGER

REVISION DATE: JULY 01, 2014



City of Redmond  
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STANDARD DETAILS

**VALVE BOX INSTALLATION**

FILE NAME: SD718.DWG

DETAIL NUMBER: **930**