

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

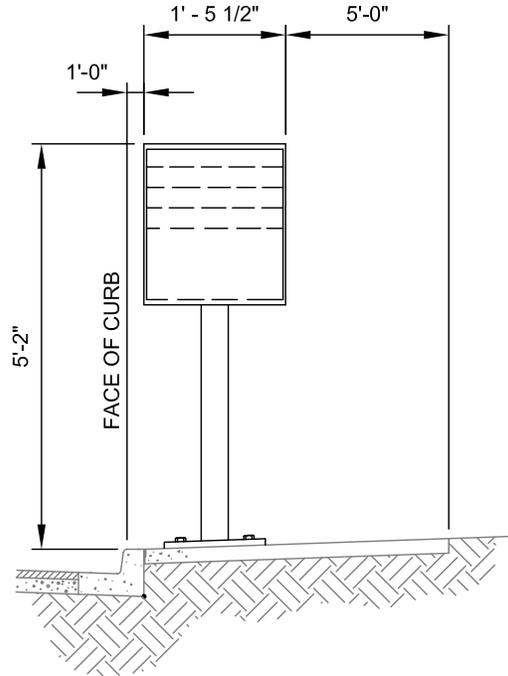


STANDARD DETAILS

MAILBOX STANDARD

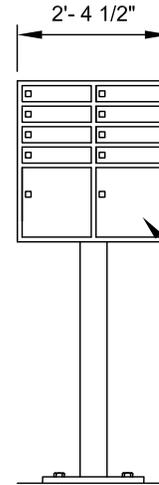
FILE NAME: SD901.DWG

DETAIL NUMBER: **901**



CURB SECTION

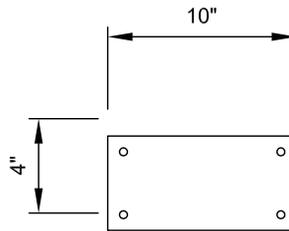
NTS



CBU LOCKING MAILBOXES

STREET ELEVATION

NTS



**PEDESTAL BOLT
BASE PATTERN**

NTS

NOTES:

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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

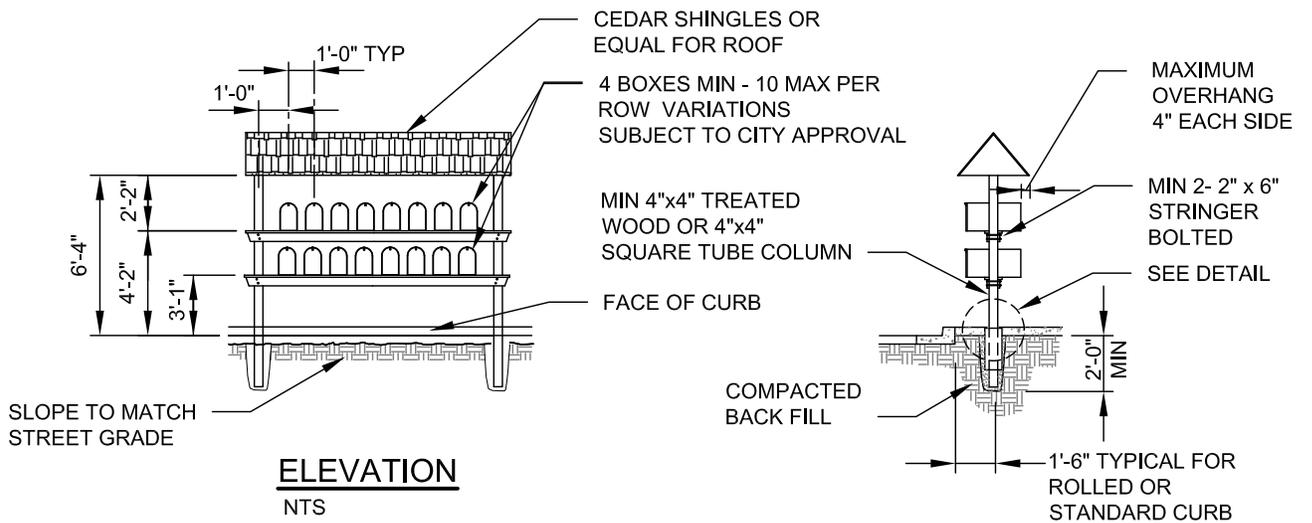


CityofRedmond
WASHINGTON

STANDARD DETAILS

**CLUSTER BOX MAILBOX
STANDARD**

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

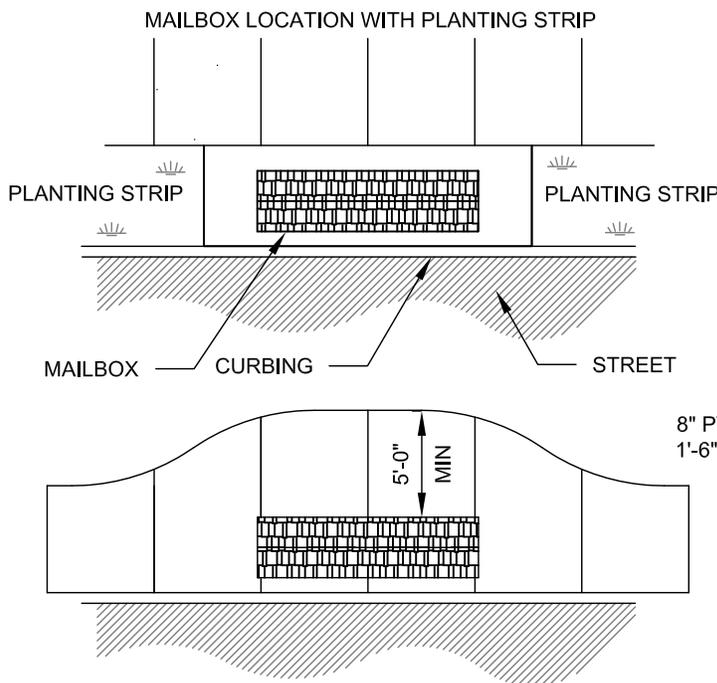


ELEVATION

NTS

ELEVATION

NTS

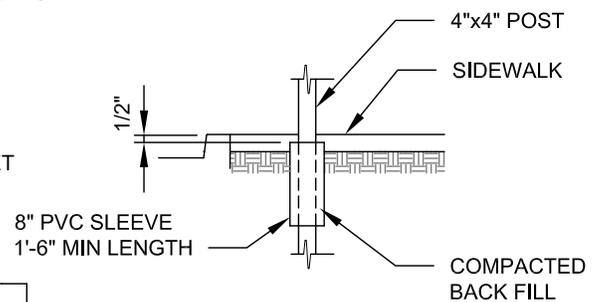


PLAN VIEWS

NTS

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SLEEVE DETAIL

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MAILBOX LOCATION WITH NO PLANTING STRIP

Paulette Norman

APPROVED BY: PAULETTE NORMAN
DEVELOPMENT ENGINEERING MANAGER

REVISION DATE: JULY 01, 2014



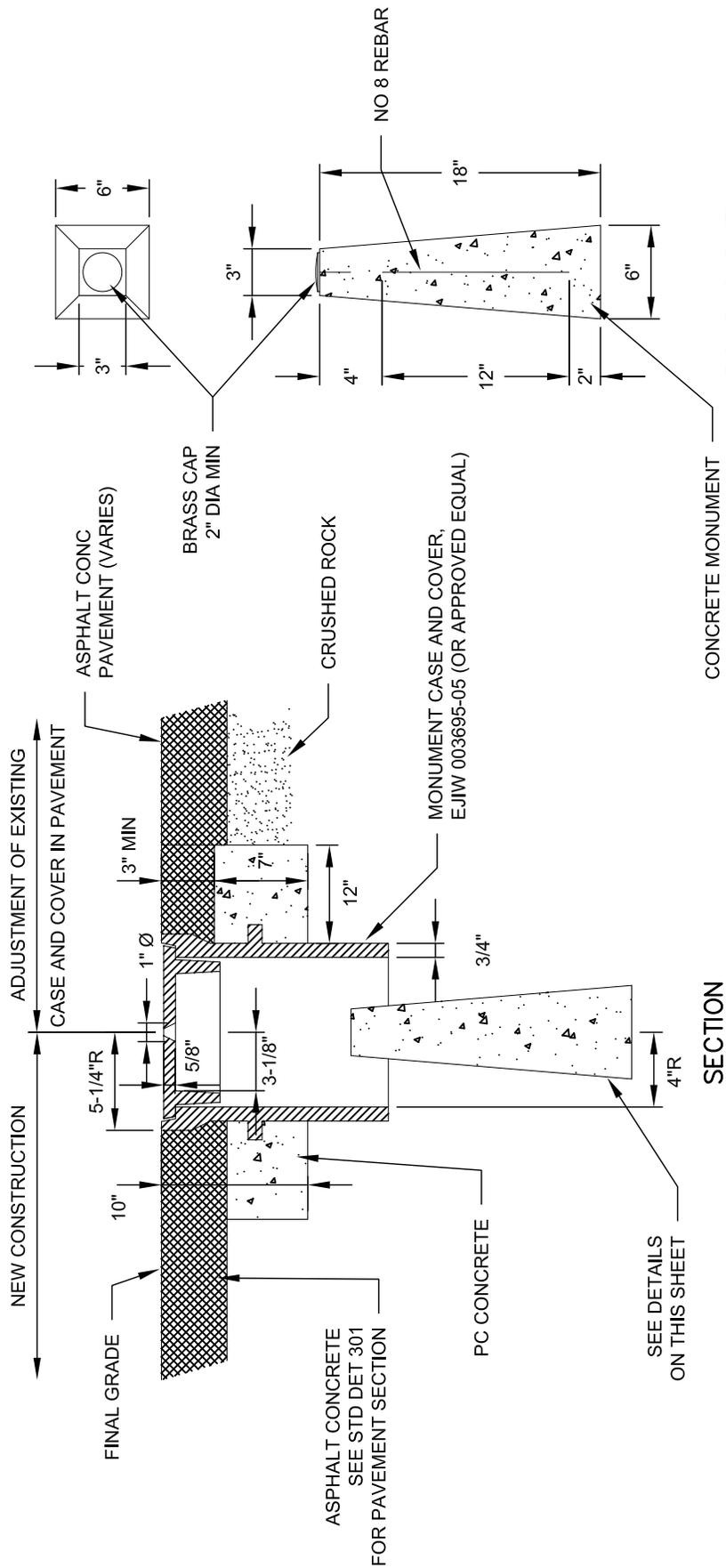
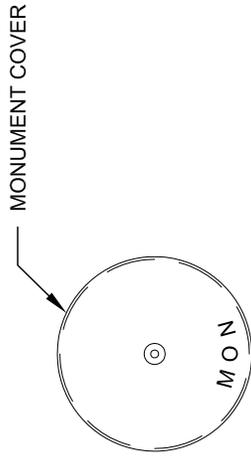
STANDARD DETAILS

DOUBLE MAILBOX STANDARD

FILE NAME: SD902.DWG DETAIL NUMBER: **902**

NOTES:

1. CASTINGS SHALL BE GRAY IRON AASHTO M360, CLASS 35B.
2. COVER SEAT SHALL BE MACHINED FOR PERFECT CONTACT AROUND CIRCUMFERENCE AND FULL WIDTH OF BEARING SURFACE.
3. APPROXIMATE WEIGHTS STANDARD:
 CASE 60 LBS
 COVER 19 LBS
 TOTAL 79 LBS
4. BRASS CAP 2" DIA MINIMUM.
5. IF MONUMENT IS LOCATED IN A SOFT AREA, INSTALL A 2' X 2' 4" THICK, CONCRETE PAD WITH CL. 3000 CONCRETE.



SURVEY MONUMENT CASE AND COVER

NTS

Rob Crittenden
 APPROVED BY: ROB CRITTENDEN
 TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

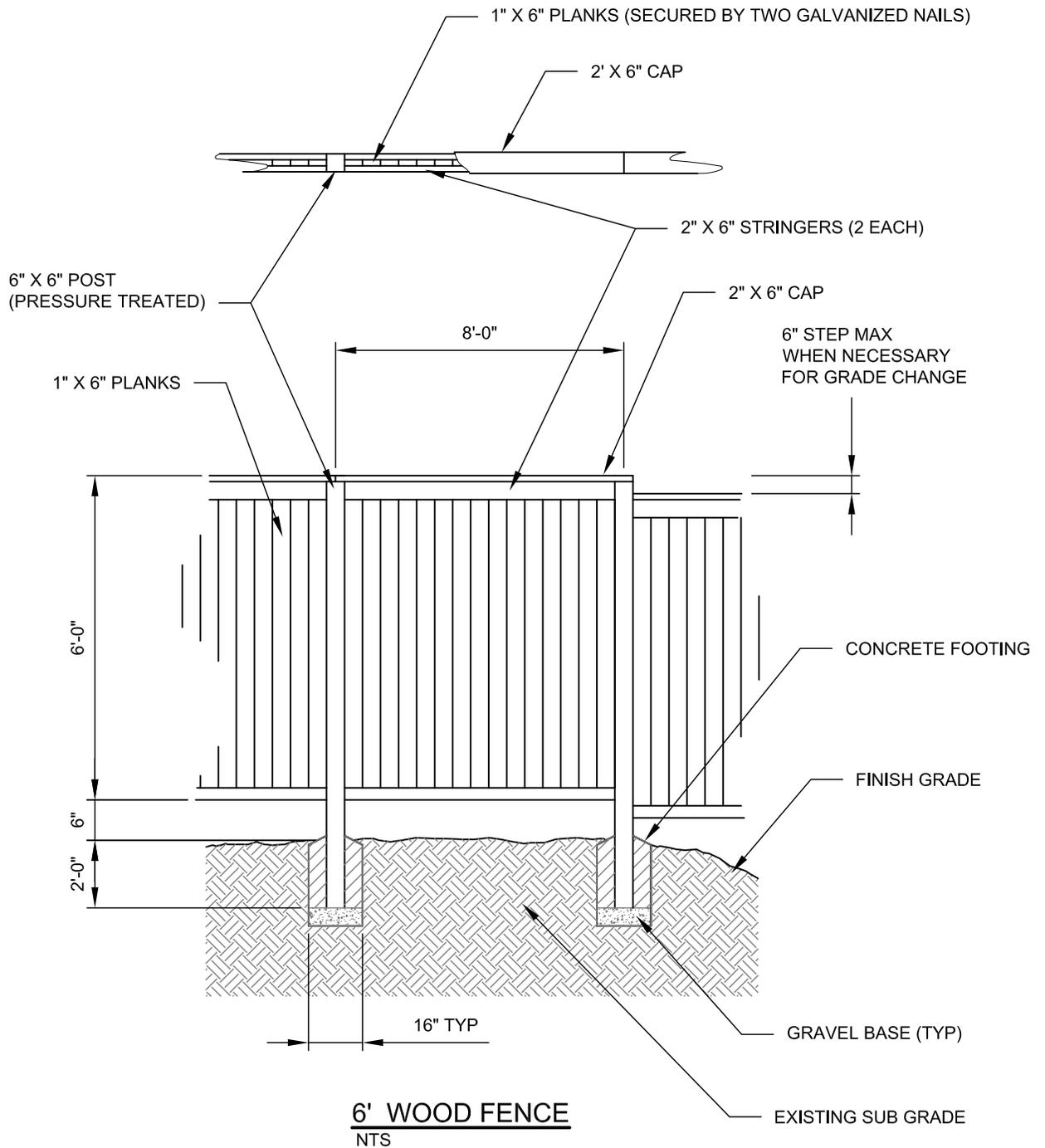
REVISION DATE: JULY 01, 2015



STANDARD DETAILS

SURVEY MONUMENT CASE AND COVER

FILE NAME: SD903.DWG DETAIL NUMBER: **903**



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
WASHINGTON

STANDARD DETAILS

6' WOOD FENCE

FILE NAME: SD904.DWG

DETAIL NUMBER: **904**

CU-STRUCTURAL SOIL
(8' X 12' X 2')

CONCRETE SIDEWALK

FINE COMPOST MULCH
EVEN WITH CURB
AND SIDEWALK

8'-0"

A

A

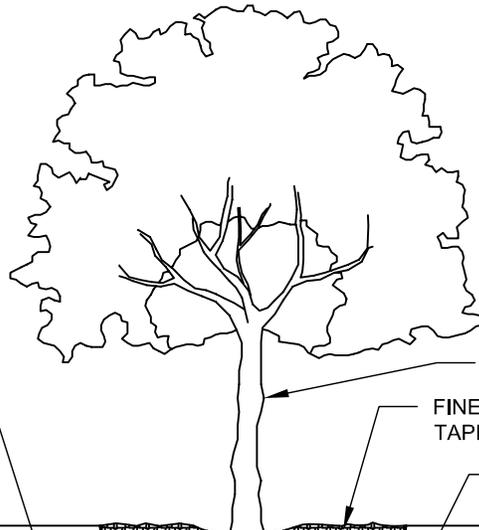
12' - 0"

PLANTING AREA

FACE OF CURB

PLAN VIEW

NTS



CU-STRUCTURAL SOIL (8' X 12' X 2')
95% COMPACTION REQUIRED
PER ASTM D698

2.5" CALIPER MINIMUM

FINE COMPOST MULCH - 4" MIN. DEPTH
TAPER TO ROOT COLLAR

TREE ROOT BARRIER

UNDISTURBED
SUBGRADE

2' - 0"

12' - 0"

NOTE:

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

SECTION A-A

NTS

STANDARD DETAILS

**STRUCTURAL SOIL
FOR STREET TREES**

Dave Tucheck

APPROVED BY: DAVE TUCHEK
PARKS MAINTENANCE AND OPERATIONS MANAGER

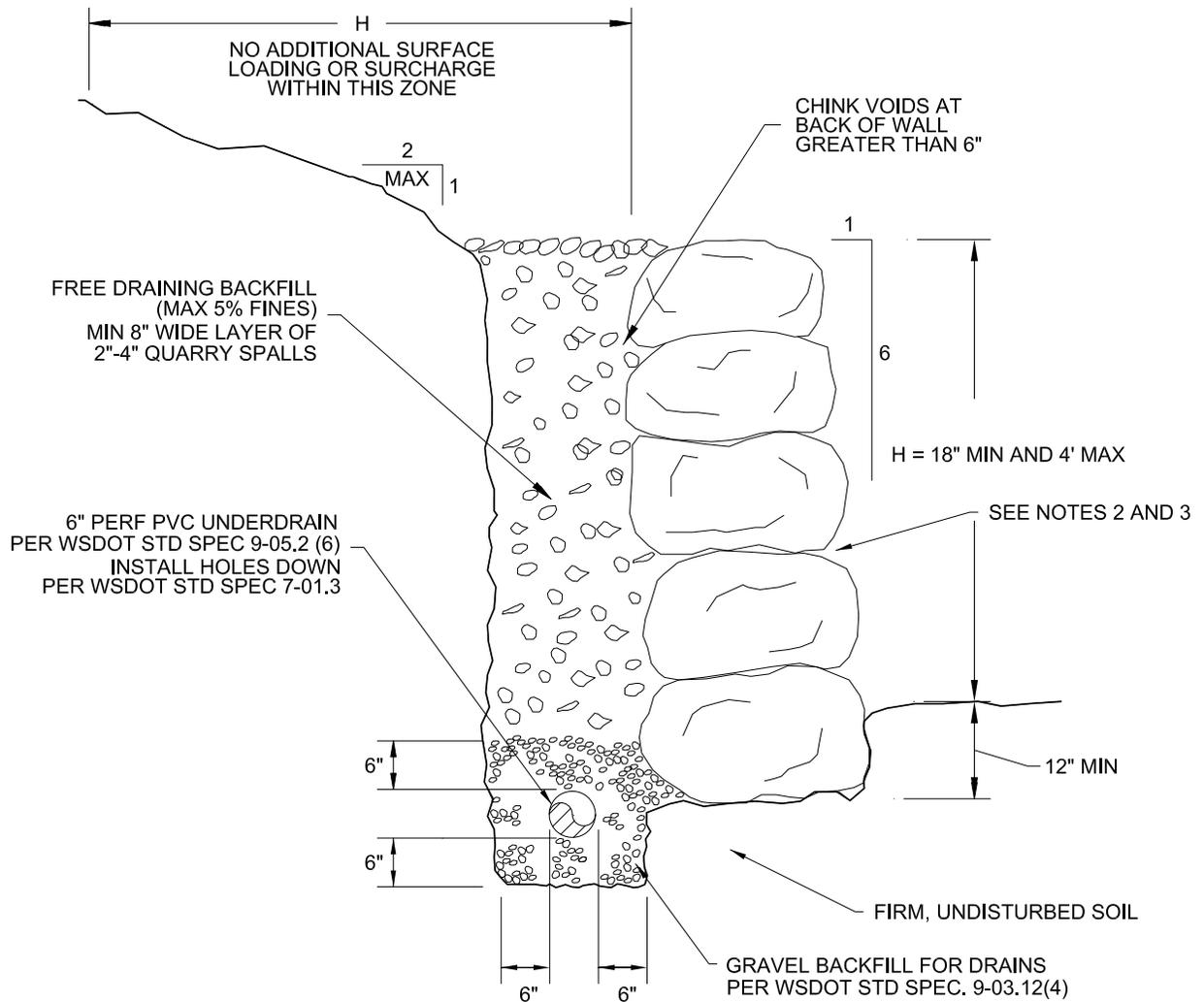
REVISION DATE: JULY 01, 2015



City of Redmond
WASHINGTON

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



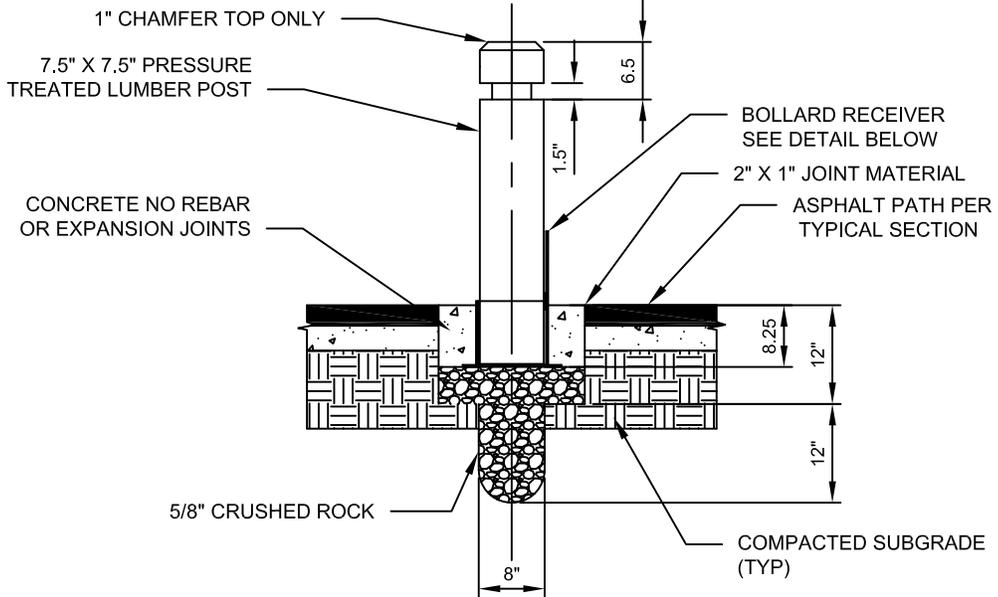
City of Redmond
WASHINGTON

STANDARD DETAILS

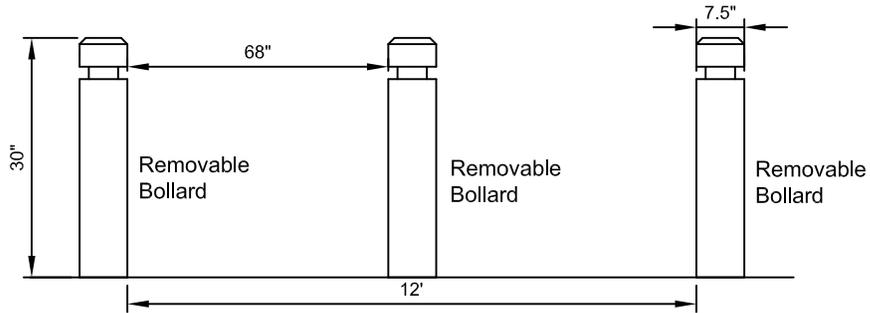
**ROCK WALL
UNDER 4 FEET**

FILE NAME: SD909.DWG

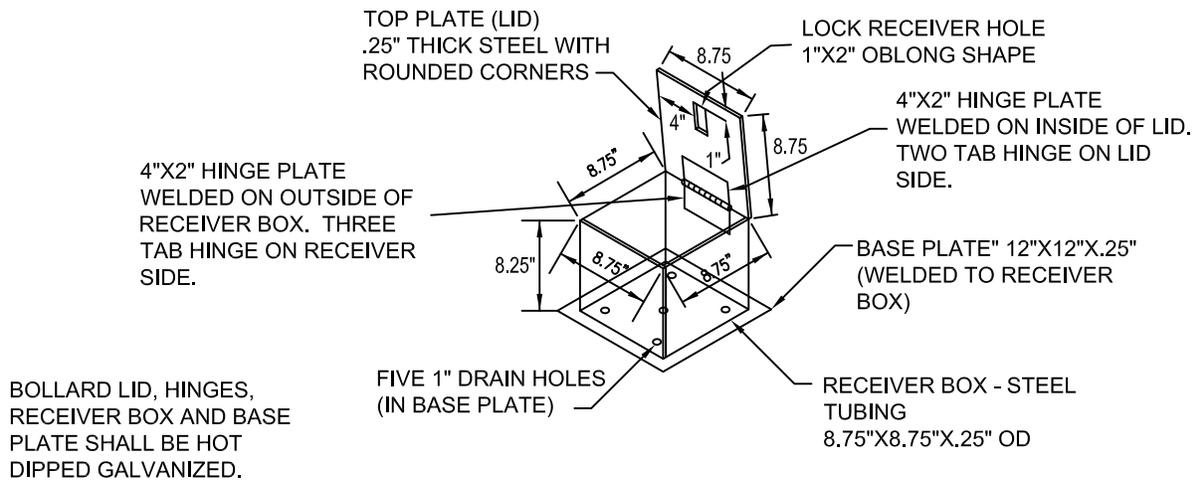
DETAIL NUMBER: **909**



BOLLARD ELEVATION
NTS



BOLLARD SPACING
NTS



REMOVABLE BOLLARD RECEIVER
NTS

Dave Tucek

APPROVED BY: DAVE TUCHEK
PARKS MAINTENANCE AND OPERATIONS MANAGER

REVISION DATE: JULY 01, 2015



City of Redmond
WASHINGTON

STANDARD DETAILS

PARKS BOLLARD

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.

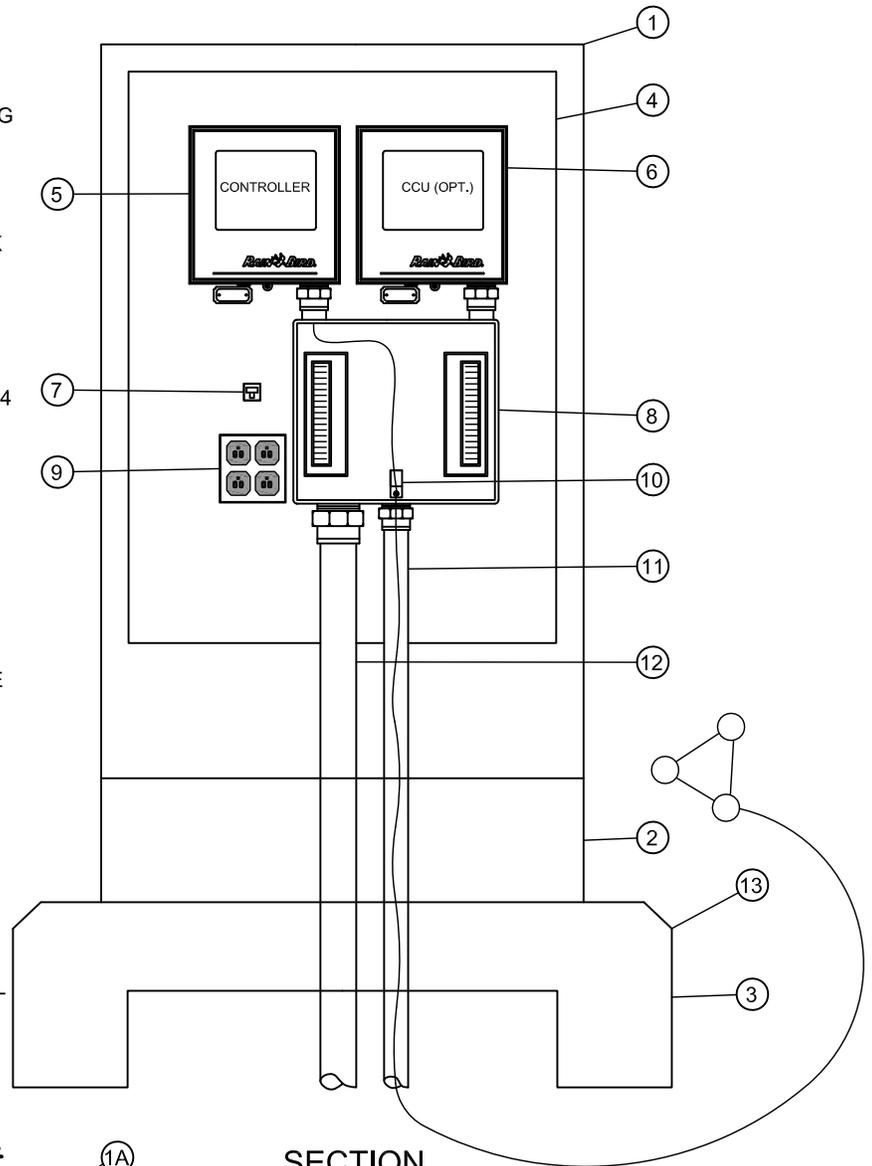
⑨ GFI OUTLET

⑩ GROUND LUG.

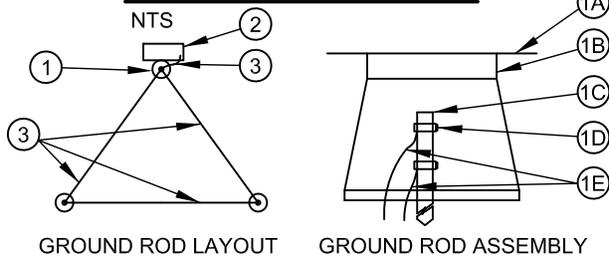
⑪ 1" CONDUIT FOR GROUND WIRE FROM
 GROUNDING GRID (TYP.).

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

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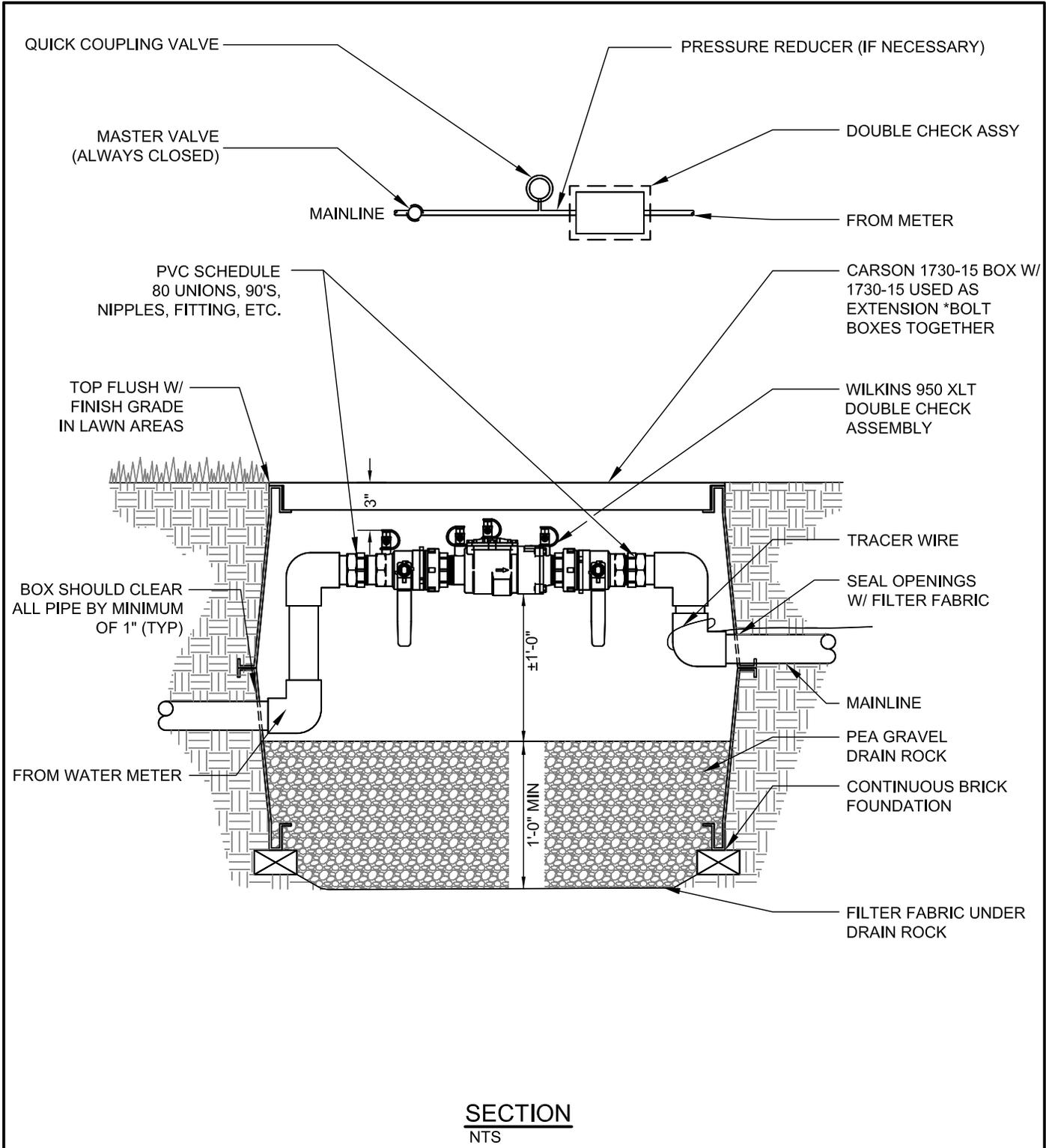


STANDARD DETAILS

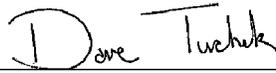
**IRRIGATION CONTROL PANEL
 AND CABINET**

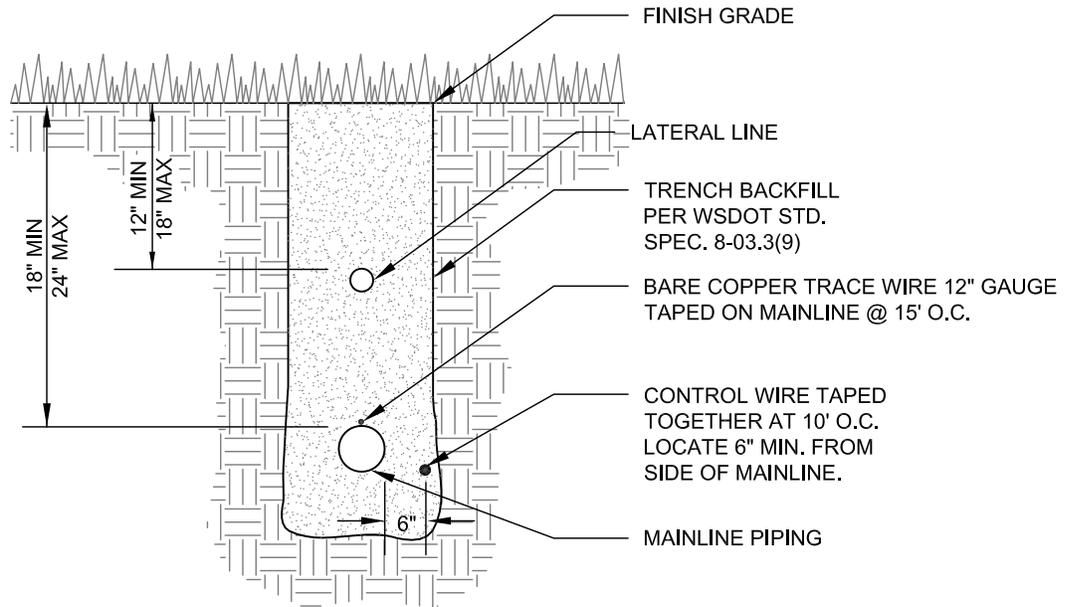
FILE NAME: SD920.DWG

DETAIL NUMBER: **920**



SECTION
NTS

 APPROVED BY: DAVE TUCHEK PARKS MAINTENANCE AND OPERATIONS MANAGER	 City of Redmond WASHINGTON	STANDARD DETAILS DOUBLE CHECK VALVE FILE NAME: SD921.DWG DETAIL NUMBER: 921
REVISION DATE: JULY 01, 2015		



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



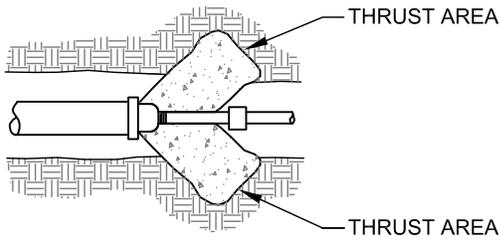
City of Redmond
WASHINGTON

STANDARD DETAILS

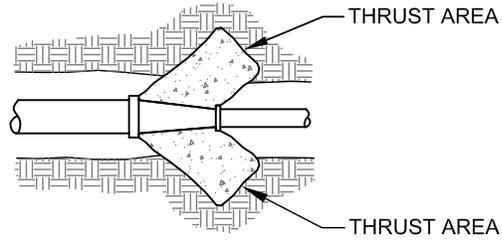
**IRRIGATION
TRENCH**

FILE NAME: SD922.DWG

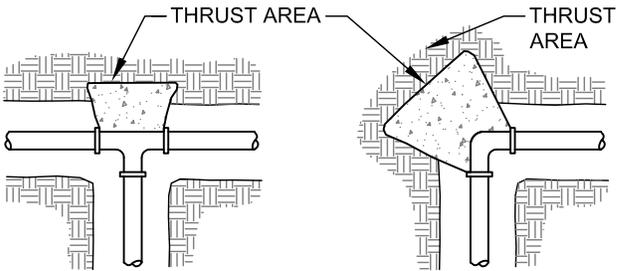
DETAIL NUMBER: **922**



CAPS / PLUGS

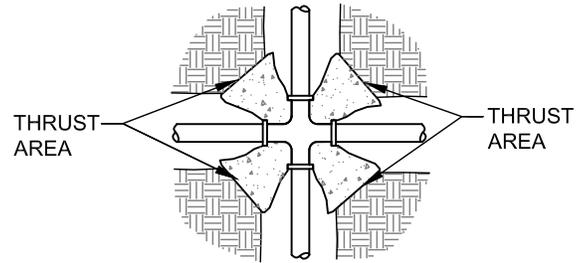


REDUCERS



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

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 PARKS MAINTENANCE AND OPERATIONS MANAGER

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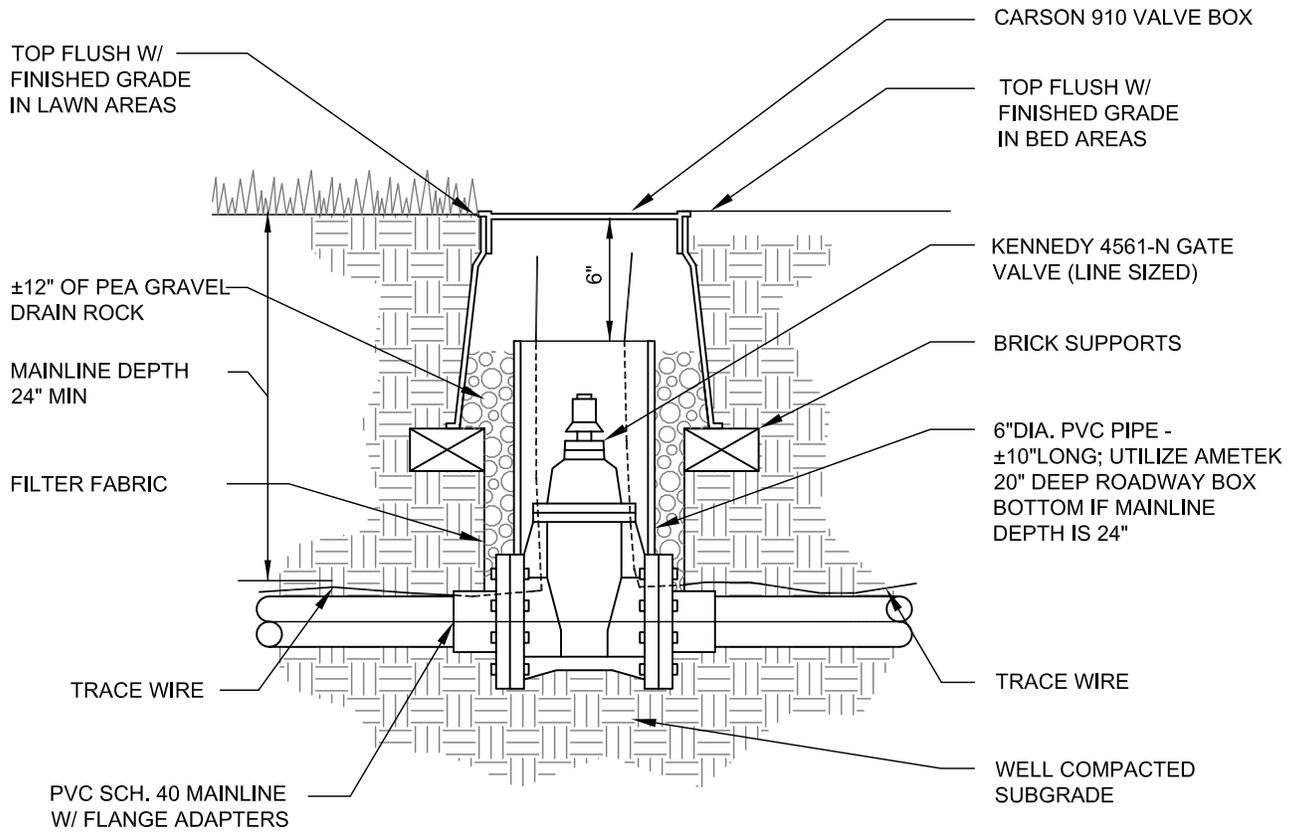
City of Redmond
 WASHINGTON

STANDARD DETAILS

THRUST BLOCK

FILE NAME: SD718.DWG

DETAIL NUMBER: **923**



SECTION
NTS

Dave Tucheck

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PARKS MAINTENANCE AND OPERATIONS MANAGER

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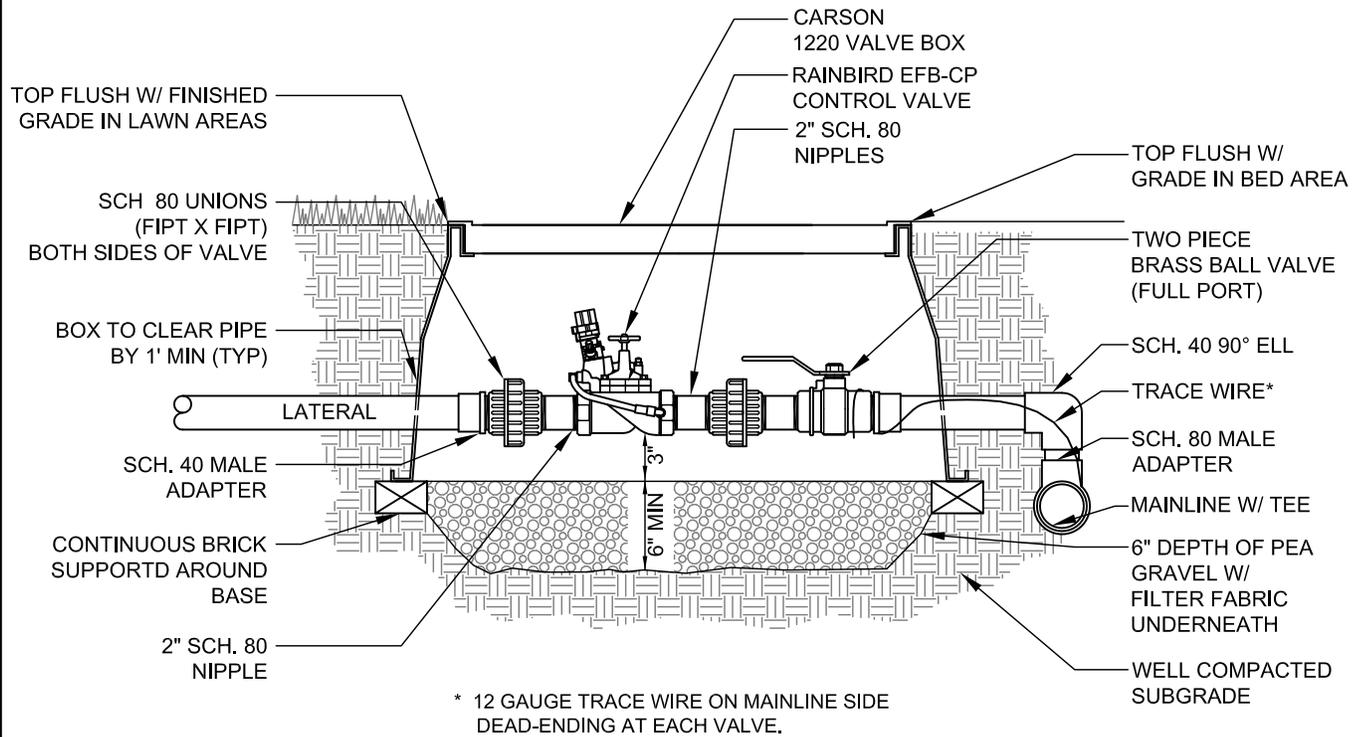
City of Redmond
WASHINGTON

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



CityofRedmond
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
WASHINGTON

STANDARD DETAILS

QUICK COUPLER

FILE NAME: SD718.DWG

DETAIL NUMBER: **927**

TOP FLUSH W/
FINISH GRADE
IN LAWN AREAS

FLUSH W/
FINISHED GRADE
IN BED AREA

RAINBIRD 3500,5000 &
6500 SERIES ROTORS

TRIPLE SWING JOINT
FOR 3500, 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: JULY 01, 2014



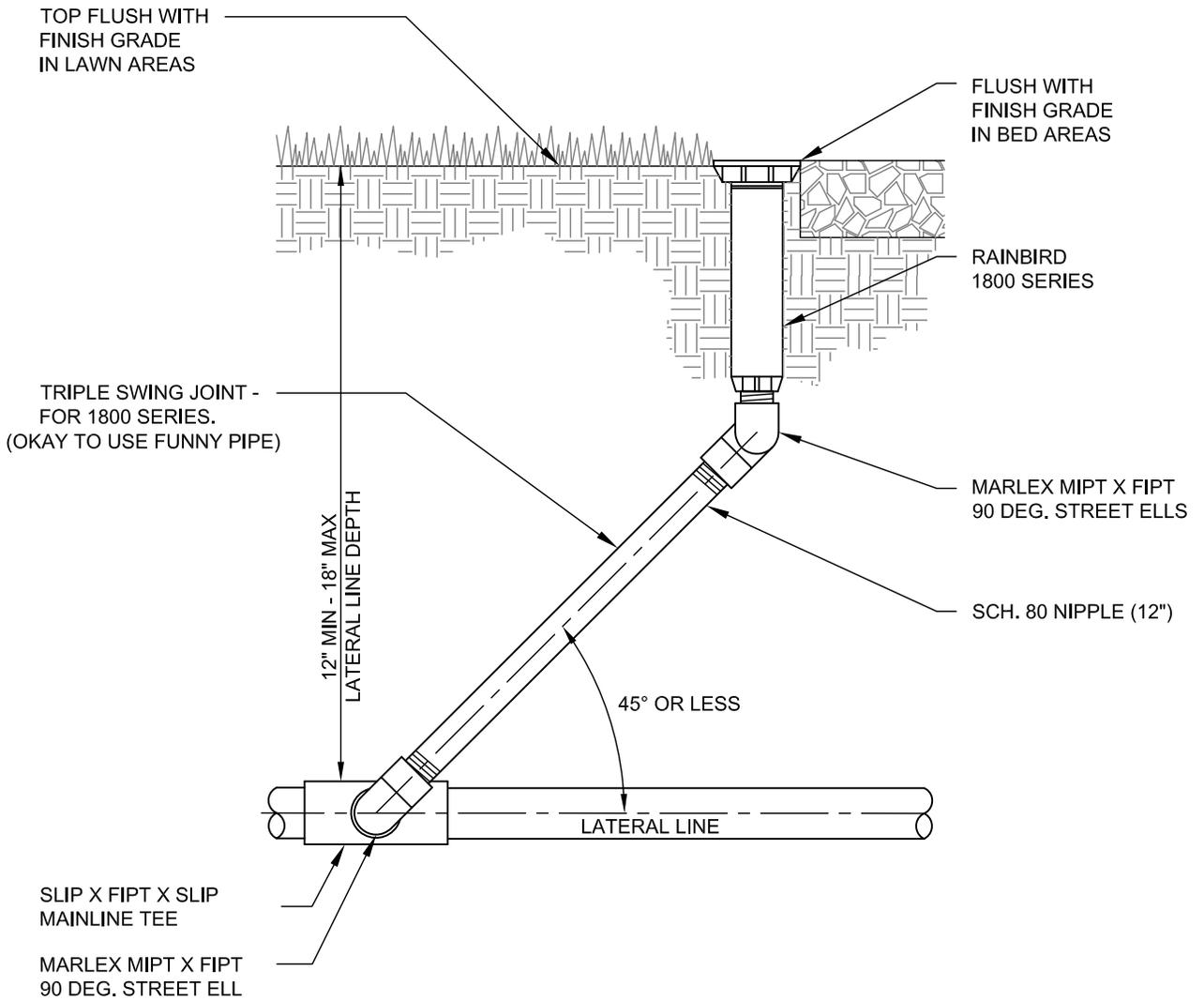
CityofRedmond
WASHINGTON

STANDARD DETAILS

**RAINBIRD 3500/5000/6500 SERIES
HEAD AND SWING JOINT**

FILE NAME: SD718.DWG

DETAIL NUMBER: **928**



SECTION
NTS

Dave Tucek

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PARKS MAINTENANCE AND OPERATIONS MANAGER

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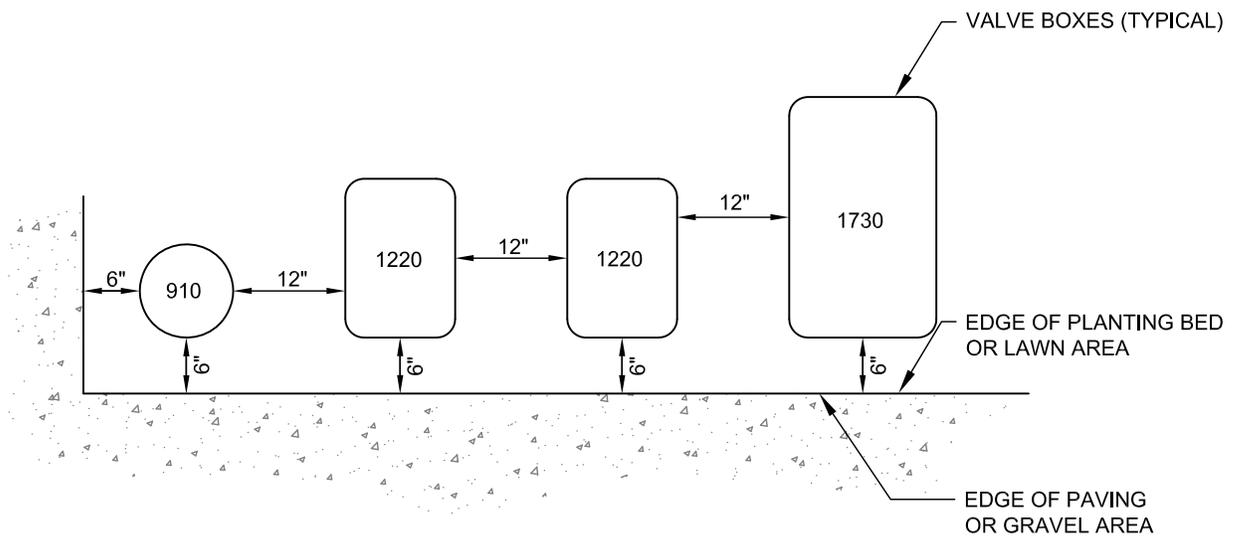
City of Redmond
WASHINGTON

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
WASHINGTON

STANDARD DETAILS

VALVE BOX INSTALLATION

FILE NAME: SD718.DWG

DETAIL NUMBER: **930**