NOTES

PAD PENETRATIONS FOR BACKFLOW PREVENTER RISERS TO BE 1" LARGER THAN RISER DIAMETER
TOP SURFACE OF CONCRETE PAD SHALL BE 1" ABOVE FINISH GRADE.

BPSI GUARDSHACK GS SERIES ENCLOSURE (OR EQUAL)

INSTALL ENCLOSURE ANCHORS AS PER MANUFACTURER’S RECOMMENDATIONS.
PROVIDE OWNER WITH KEYED PADLOCK FOR ENCLOSURE
PROVIDE ENCLOSURE IN FEDERAL GREEN COLOR
SET BOTTOM OF CAP AT FINISH GRADE FOR SEED, 1" ABOVE FINISH GRADE FOR SOD.

HARD EDGE (i.e. SIDEWALK, CURB, ETC.)

12" HI-POP SPRAY HEAD W/ PRESSURE REGULATING STEM AND INTERNAL CHECK VALVE

DO NOT USE SIDE INLET

MxF SCH. 40 PVC 90° ELL (2 REQUIRED)

6" SCH. 80 PVC NIPPLE

MxF SCH. 40 PVC 90° ELL

PVC LATERAL PIPING W/ SCH. 40 PVC SLIPxFIPT FITTING

NOTE: SET HEAD PERPENDICULAR TO FINISH GRADE

SWING JOINT ASSEMBLY SHALL BE ATTACHED TO BOTTOM SPRAY HEAD INLET ONLY

APPLY TEFLOM TAPE TO ALL MALE PVC THREAD FITTINGS AND NIPPLES
HI-POP (12") SPRAY HEAD IN MULCH BEDS

SET BOTTOM OF CAP 3-1/2" ABOVE FINISH GRADE TO ALLOW FOR MULCH MATERIAL

HARD EDGE (i.e. SIDEWALK, CURB, ETC.)

MULCH MATERIAL

12" HI-POP SPRAY HEAD W/ PRESSURE REGULATING STEM AND INTERNAL CHECK VALVE

DO NOT USE SIDE INLET

MxF SCH. 40 PVC 90' ELL (2 REQUIRED)

6" SCH. 80 PVC NIPPLE

MxF SCH. 40 PVC 90' ELL

PVC LATERAL PIPING W/ SCH. 40 PVC SLIP X FIPT FITTING

NOTE: SET HEAD PERPENDICULAR TO FINISH GRADE

SWING JOINT ASSEMBLY SHALL BE ATTACHED TO BOTTOM SPRAY HEAD INLET ONLY

APPLY TEFLON TAPE TO ALL MALE PVC THREADED FITTINGS AND NIPPLES

30-60 DEGREES
SET BOTTOM OF CAP AT FINISH GRADE FOR SEED, 1" ABOVE FINISH GRADE FOR SOD.

3" or 6" AT 20% OR GREATER GRADE

CURB & GUTTER, SIDEWALK OR HARD SURFACE WHERE APPLICABLE

DO NOT USE SIDE INLET

6" POP-UP SPRAY HEAD W/ PRESSURE REGULATING STEM AND INTERNAL CHECK VALVE

MIPxFIP SCH. 40 PVC 90' ELL (2 REQUIRED)

6" SCH. 80 PVC NIPPLE

MIPxFIP SCH. 40 PVC 90' ELL

SCH.40 SLIPxFIPT FITTING

NOTE: DIAMETERS OF FITTINGS AND NIPPLES SHALL EQUAL SPRAY HEAD INLET DIAMETER.

SET SPRAY HEAD PERPENDICULAR TO FINISH GRADE.

APPLY TEFLOM TAPE TO ALL PVC MALE THREADED FITTINGS.

4" POP UP HEIGHT AND SHORTER IS NOT ALLOWED.
10" ROUND VALVE BOX – BRAND
THE LETTER "D" IN LID

2" VALVE MARKER

3/4" CRUSHED GRAVEL SUMP
1 CU. FT.

SET TOP OF BOX 1/2" ABOVE FINISH GRADE FOR
SEED, 1" ABOVE FINISH GRADE FOR SOD. FOR
MULCH AREAS, SET TOP OF BOX 1/2" ABOVE
FINISH GRADE AND ADD 3" VALVE BOX EXTENSION
TO ALLOW TOP OF BOX TO BE AT TOP OF MULCH
MATERIAL.

FINISH GRADE

2" CL160 PVC ACCESS SLEEVE –
LENGTH AS REQUIRED

3/4" FxF SCH.80 PVC 90° ELL (2)
3/4"xCL PVC NIPPLE SCH. 80 (2)

3/4"x6" SCH. 80 PVC NIPPLE

3/4" BRASS GLOBE VALVE

3/4" MxF SCH.40 PVC 90° ELL

SOIL BLANKET COVERING SUMP

3/4"x4" PVC NIPPLE SCH. 80

3/4" CRUSHED GRAVEL SUMP

PVC PRESSURE MAINLINE
APPLY TEFLOM TAPE TO ALL MALE THREADED
PVC FITTINGS AND ALL NIPPLES
10" ROUND VALVE BOX
BRAND THE LETTERS "QC" INTO LID

FINISH GRADE

3/4" CRUSHED GRAVEL
SUMP - FILL BOX TO WITHIN
2" OF BOTTOM OF QCV LID

QUICK COUPLING VALVE

1" BRASS NIPPLE
LENGTH AS REQUIRED

1" BRASS FIPTFIPT 90° ELL
1-1x3" SCH.80 PVC NIPPLE

1" SCH.80 PVC FIPTFIPT
90° ELL

1"x12" SCH.80 PVC NIPPLE

1-1"x3" SCH.80 PVC NIPPLE

1" SCH.80 PVC FIPTFIPT 90° ELL

PRESSURE MAINLINE SERVICE TEE -
SOLVENT WELD OR GASKETED FITTING
REFER TO SPECIFICATIONS

APPLY TEFILON TAPE TO ALL MALE PVC
THREADED FITTINGS AND NIPPLES

SET TOP OF BOX 1/2" ABOVE FINISH GRADE FOR
SEED, 1" ABOVE FINISH GRADE FOR SOD. FOR
MULCH AREAS, SET TOP OF BOX 1/2" ABOVE
FINISH GRADE AND ADD 3" VALVE BOX EXTENSION
TO ALLOW TOP OF BOX TO BE AT TOP OF MULCH
MATERIAL.
SET TOP OF BOX 1/2" ABOVE FINISH GRADE FOR SEED, 1" ABOVE FINISH GRADE FOR SOD. FOR MULCH AREAS, SET TOP OF BOX 1/2" ABOVE FINISH GRADE AND ADD 3" VALVE BOX EXTENSION TO ALLOW TOP OF BOX TO BE AT TOP OF MULCH MATERIAL.

FINISH GRADE

EPOXY-COATED IRON GATE VALVE WITH RESILIENT WEDGE DISC, NON-RISING STEM, AND SQUARE OPERATING NUT

3/4" CRUSHED GRAVEL SUMP – FILL BOX TO WITHIN 2" OF TOP OF 6" PVC ACCESS SLEEVE

6" CLASS 160 PVC SLEEVE BOTTOM TO BE NOTCHED AND CONTACT TOP OF PRESSURE MAINLINE

PVC PRESSURE MAINLINE

6 MIL POLY SHEETING BOND BREAKER BETWEEN VALVE AND CONCRETE

SCH. 40 PVC MALE ADAPTER (2) – SIZE TO EQUAL GATE VALVE DIAMETER APPLY TEFLOM TAPE TO ADAPTER THREADS

CONCRETE SUPPORT BLOCK

UNDISTURBED SOIL

NOTE: POLY SHEETING AND CONCRETE SUPPORT BLOCK SHALL BE INSTALLED AT GATE VALVES 3" DIAMETER AND LARGER
SET LIP OF HEAD 1/2" ABOVE FINISH GRADE FOR SEED, 1" ABOVE FINISH GRADE FOR SOD.

Curb and gutter, sidewalk or hard surface where applicable

GEAR DRIVEN ROTOR
W/ INTERNAL CHECK VALVE

MIPxFIP SCH. 40 PVC 90° ELL (2)

12" SCH. 80 PVC NIPPLE

MIPxFIP SCH. 40 PVC 90° ELL

SCH. 40 SLIPxFIPT PVC FITTING

NOTE: DIAMETERS OF FITTINGS AND NIPPLES SHALL EQUAL ROTOR INLET DIAMETER.

SET ROTOR PERPENDICULAR TO FINISH GRADE.

APPLY TEFLON TAPE TO ALL PVC MALE THREADED FITTINGS.

4" POP UP HEIGHT AND SHORTER IS NOT ALLOWED.
NOTE:
CONCRETE PAD PENETRATIONS TO BE 1" LARGER THAN PIPE DIAMETER
REFER TO ENCLOSURE DETAIL FOR CONCRETE PAD DIMENSIONS
DIAMETER OF FITTINGS, NIPPLE AND PIPE SHALL EQUAL DIAMETER OF BACKFLOW PREVENTER UNLESS NOTED OTHERWISE.

6" THICK CONCRETE PAD LENGTH AS REQUIRED 30" MIN. WIDTH
TOP OF SLAB TO BE 1" ABOVE FINISH GRADE

ADJUSTABLE CAST IRON STOP BOX – TYLER OR EQUAL

POINT OF CONNECTION

METER RUN
RENDER TO PLANS FOR PIPE DIAMETER

FLOW SENSOR (REFER TO DETAIL IR-33)

3/4" MANUAL DRAIN VALVE
(REFER TO DETAIL IR-5)

SOIL FILTER FABRIC COVERING
GRAVEL SUMP

STOP AND DRAIN VALVE – LINE SIZE
3/4" CRUSHED GRAVEL SUMP – 2 CU. FT.

SERVICE LINE FROM WATER METER

PROTECTIVE ENCLOSURE (REFER TO DETAIL IR-1 OR IR-13, PER SCHEDULE)
REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY (REFER TO DETAIL IR-10, IR-14 OR IR-15, PER SCHEDULE)
CXM ADAPTER (TWO REQUIRED)
PVC MAIN – TO IRRIGATION SYSTEM (RE: PLAN)
SCH. 40 PVC 5" REDUCER BUSHING
(BACKFLOW DIA.xMAIN DIA.) (RE: PLAN)
MASTER VALVE (REFER TO DETAIL IR-34)
QUICK COUPLING VALVE (REFER TO DETAIL IR-6)
ISOLATION GATE VALVE FOR 2" AND LARGER
(REFER TO DETAIL IR-7), LASCO SLO-CLOSE
BALL VALVE FOR UP TO 1 1/2"

TYPE "K" RIGID COPPER
PVC PRESSURE MAINLINE
REFER TO IRRIGATION SCHEDULE

TOWN OF CASTLE ROCK
100 N. Wilcox St.
Castle Rock, CO 80104
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Development Services

Issued By: Town of Castle Rock, Development Services February 1, 2016

Sheet Revisions

Detail Plan No.
IR-9

Sheet 1 of 1
**NOTE:**

CONCRETE PAD PENETRATIONS TO BE 1" LARGER THAN TUBING DIAMETER.

DIAMETER OF FITTINGS, NIPPLE AND TUBING SHALL BE EQUAL DIAMETER OF BACKFLOW PREVENTER UNLESS NOTED OTHERWISE.

BACKFLOW PREVENTER DISCHARGE PORT SHALL BE INSTALLED 12" MIN. FROM TOP OF CONCRETE PAD.
SET LIP OF HEAD 1/2" ABOVE FINISH GRADE FOR SEED, 1" ABOVE FINISH GRADE FOR SOD.

CURB AND GUTTER, SIDEWALK OR HARD SURFACE WHERE APPLICABLE

GEAR DrIVEN ROTOR
W/ INTERNAL CHECK VALVE

MIP x FIP SCH. 40 PVC 90° ELL (2)

12" SCH. 80 PVC NIPPLE

MIP x FIP SCH. 40 PVC 90° ELL

SCH. 40 SLIP x FIPT PVC FITTING

NOTE: DIAMETERS OF FITTINGS AND NIPPLES SHALL EQUAL ROTOR INLET DIAMETER

SET ROTOR PERPENDICULAR TO FINISH GRADE

APPLY TEFLOAN TAPE ALL PVC MALE THREADED FITTINGS

30-60 DEGREES
HI-POP (12") GEAR DRIVEN ROTOR IN MULCH BEDS

NOTE: DIAMETERS OF FITTINGS AND NIPPLES SHALL EQUAL ROTOR INLET DIAMETER
SET ROTOR PERPENDICULAR TO FINISH GRADE
APPLY TEFLOM TAPE TO ALL PVC MALE THREADED FITTINGS
NOTES
PAD PENETRATIONS FOR BACKFLOW PREVENTER RISERS TO BE 1" LARGER THAN RISER DIAMETER
TOP SURFACE OF CONCRETE PAD SHALL BE 1" ABOVE FINISH GRADE.

BRACKETS FOR PADLOCK LIFTING HANDLES (4)

BRACKETS FOR PADLOCK

BPDI GUARDSHACK GS SERIES ENCLOSURE (OR EQUAL)

STEEL HINGES EACH END

MINIMUM 6" THICK CONCRETE PAD

INSTALL ENCLOSURE ANCHORS AS PER MANUFACTURER'S RECOMMENDATIONS.
PROVIDE OWNER WITH KEYED PADLOCK FOR ENCLOSURE
PROVIDE ENCLOSURE IN FEDERAL GREEN COLOR
NOTE: DIAMETERS OF BALL VALVES, PVC FITTINGS AND NIPPLES SHALL EQUAL ELECTRIC CONTROL VALVE DIAMETER

VALVE BOXES SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO ADJACENT SIDEWALKS AND HARD SURFACES WHERE APPLICABLE

APPLY TEFLON TAPE TO ALL MALE THREADED FITTINGS AND THREADED NIPPLES

MAINLINE DEPTH 24" (TYPICAL)
PVC LATERAL – 45° ELL TO SPECIFIED DEPTH
SCH. 40 PVC REDUCING MALE ADAPTER
RECTANGULAR VALVE BOX, BRAND LID WITH CONTROLLER & STATION #.
CENTER BOX OVER ASSEMBLY

MULCH MATERIAL

SET TOP OF BOX 1/2" ABOVE FINISH GRADE AND ADD 3" VALVE BOX EXTENSION TO ALLOW TOP OF BOX TO BE AT TOP OF MULCH MATERIAL.

SCH. 80 PVC NIPPLE x CLOSE
PROVIDE 12" CONTINUOUS COILS OF ALL "MAINTENANCE" SPARE CONTROL/COMMON WIRING WITHIN VALVE BOX
PVC BALL VALVE – FIPTxFIPT
PVC SCH. 40 STREET 90° ELL MIPT x FIPT
ELECTRIC CONTROL VALVE
3/4" CRUSHED GRAVEL SUMP – FILL BOX TO BOTTOM OF VALVE BODY
SCH. 80 PVC NIPPLE – LENGTH AS REQUIRED
SERVICE TEE – SOLVENT WELD OR GASKETED FITTING
CONTROL WIRE BUNDLE
WEED BARRIER FABRIC INSTALLED
OVER GRAVEL SUMP – EXTEND 4" UP INTERIOR SIDES OF VALVE BOX.

NOTE: DIAMETERS OF BALL VALVES, PVC FITTINGS AND NIPPLES SHALL EQUAL ELECTRIC CONTROL VALVE DIAMETER
VALVE BOXES SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO ADJACENT SIDEWALKS AND HARD SURFACES WHERE APPLICABLE
APPLY TEFLON TAPE TO ALL MALE threaded fittings and threaded nipples
MAINLINE DEPTH 24" (TYPICAL)
NOTE: DIAMETERS OF BALL VALVES, FITTINGS, NIPPLES, FILTERS, AND PRESSURE REGULATORS SHALL EQUAL ELECTRIC CONTROL VALVE DIAMETER.

* WYE FILTER MAY BE USED IN PLACE OF DISC FILTER FOR TRADITIONAL POINT/SOURCE DRIP INSTALLATIONS.

VALVE BOXES SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO ADJACENT SIDEWALKS AND HARD SURFACES WHERE APPLICABLE.
NOTE: DIAMETERS OF BALL VALVES, FITTINGS, NIPPLES, FILTERS, AND PRESSURE REGULATORS SHALL EQUAL ELECTRIC CONTROL VALVE DIAMETER.

* WYE FILTER MAY BE USED IN PLACE OF DISC FILTER FOR TRADITIONAL POINT/SOURCE Drip INSTALLATIONS.

VALVE BOXES SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO ADJACENT SIDEWALKS AND HARD SURFACES WHERE APPLICABLE.
BUBBLER NOZZLE — INSTALL WITHIN 4” HORIZONTAL DISTANCE OF PLANT ROOT BALL. SET BUBBLER(S) ON UPHILL SIDE OF ROOT BALL.

MULCH MATERIAL

MALE x BARB ADAPTER

POLYETHYLENE SWING PIPE — (4 L.F. LENGTH MAXIMUM)

MALE x BARB ADAPTER

POLY LATERAL PIPING W/ INSERT x FIPT FITTING W/ CLAMP(S)
CURB AND GUTTER, SIDEWALK OR HARD SURFACE WHERE APPLICABLE

POP-UP SPRAY HEAD - INSTALL PER DETAIL

TO MAINTAIN THE INTEGRITY OF THE FILTER CLOTH UP TO 6" DEPTH (MAX.) OF SQUEEGEE MAY BE USED TO PREVENT POP-UP HEADS FROM PENETRATING FILTER CLOTH

LATERAL PIPING, SWING JOINT ASSEMBLY & HEAD SHALL BE INSTALLED WITHIN JOINT TRENCH WITH DRAIN WHERE APPLICABLE.

TRENCH DRAIN

NOTE: REFER TO DETAIL FOR SWING JOINT CONSTRUCTION AND SETTING OF HEAD
Curb and gutter, sidewalk or hard surface where applicable

Gear driven rotor - install per detail

To maintain the integrity of the filter cloth up to 6" depth (max.) of squeegee may be used to prevent pop-up heads from penetrating filter cloth.

Lateral piping, swing joint assembly & head shall be installed within joint trench with drain where applicable. Substitute 6" length sch. 80 PVC nipple in lieu of 12" nipple for rotors installed with trench drain only.

Trench drain

Note: Refer to detail for swing joint construction and setting of head.
1 CONTROLLER: WALL MOUNT
2 2-INCH PVC SCH 40 CONDUIT AND FITTINGS
3 WIRES TO CONTROL VALVES
4 JUNCTION BOX
5 1-INCH PVC SCH 40 CONDUIT AND FITTINGS TO DEDICATED POWER SUPPLY
1. PEDESTAL MOUNT CONTROLLER:

2. CONCRETE PAD: 6-INCH MINIMUM THICKNESS

3. FINISH GRADE

4. WIRES TO CONTROL VALVES

5. 3-INCH PVC SCH 40 CONDUIT, FITTINGS AND SWEEP ELL

6. 1-INCH PVC SCH 40 CONDUIT, FITTINGS AND SWEEP ELL TO DEDICATED POWER SUPPLY
1. PEDESTAL MOUNTED IRRIGATION CONTROLLER ENCLOSURE
2. RAIN SENSOR
3. 3/4-INCH SCH 40 RISER EXTENSION (FIPT X MIPT) SECURED TO ENCLOSURE WITH SCH 40 NUT
4. WIRE TO IRRIGATION CONTROLLER
1. RAIN SENSOR
2. FEMALE ADAPTER (SLIP X FIPT)
3. GALVANIZED 90° EL (1 OF 2)
4. 3/4-INCH GALVANIZED PIPE
5. FINISHED GRADE
6. CONCRETE BASE
7. WIRE TO IRRIGATION CONTROLLER
GRADE RINGS AS REQ'D (NOT TO EXCEED 12")

METER

INVENSUS OR SENSUS STRAINER

TO IRRIGATION SERVICE
SEE DETAILS IR-14 OR IR-15

FORD MONITOR COVER (NONTRAFFIC)
MC-24MBCT W/ INNER LID
NO EXCEPTIONS

NYLON COATED STEEL
STEPS @ 16" O.C.

TYP VALVE BOX
(SEE DETAIL W-10)

PRESSURE CLASS 350 D.I.P. ON
POTABLE INSTALLATIONS & SDR
21, CLASS 200 P.S.I. PVC ON
IRRIGATION INSTALLATIONS (TYP)

RISING STEM OS &
Y GATE VALVE W/
TAMPER SWITCH
(TYP)

TAPPING SLEEVE & GATE
VALVE W/ 2" OPERATING NUT

NOTES:
1. METER SUPPLIED & INSTALLED BY THE TOWN.
2. VAULT SHOP DRAWINGS TO BE SUBMITTED AT TIME OF PROJECT PLAN APPROVAL.
3. BYPASS VALVE CAN RUN ON OUTSIDE OF VAULT WITH A STREET VALVE.
NOTE:
CONCRETE PAD PENETRATIONS TO BE 1" LARGER THAN TUBING DIAMETER
DIAMETER OF FITTINGS, NIPPLE AND TUBING SHALL EQUAL DIAMETER OF BACKFLOW PREVENTER UNLESS NOTED OTHERWISE.

STOP & WASTE VALVE - BY OTHERS

FLOW

Q.C.V. - INSTALL PER DETAIL

MANUAL DRAIN VALVE - INSTALL PER DETAIL

COMPRESSION x MIPT ADAPTER TO PVC FIPT

TYPE "K" PVC PRESSURE MAINLINE

SOFT COPPER REFER TO IRRIGATION SCHEDULE

PROTECTIVE ENCLOSURE - RE: DTL.

CXM ADAPTER (TWO REQUIRED)

CXC ELL

HT. PER CODE

WINTERIZATION TEE

6" THICK CONCRETE PAD TOP OF SLAB TO BE 1" ABOVE FINISH GRADE (PAD BY IRRIGATION CONTRACTOR)

BACKFLOW PREVENTER MUST BE INSTALLED SO THAT THE CRITICAL LEVEL MAY BE NO LESS THAN 12 INCHES ABOVE THE HIGHEST POINT OF USE, OR ASSOCIATED PIPING LOCATED DOWNSTREAM OF THE ASSEMBLY.
SET TOP OF SPRAY HEAD/OPERATIONAL INDICATOR 3" ABOVE FINISH GRADE TO ALLOW FOR MULCH DEPTH.

MULCH MATERIAL

3"

DO NOT USE SIDE INLET

12" POP-UP SPRAY HEAD WITH CLOSED NOZZLE AND SWING PIPE (ZONE OPERATIONAL INDICATOR).

10" ROUND VALVE BOX. SET TOP OF BOX 1/2" ABOVE FINISH GRADE. ADD 3" EXTENSION TO ALLOW FOR MULCH DEPTH. BRAND "DB" INTO VALVE BOX LID.

FINISH GRADE

X" PVC BALL VALVE WITH X" PVC INSxMIPT ADAPTER AND S.S CLAMP.

X" DRIP TUBING - COIL SUFFICIENT LENGTH IN BOX TO EXTEND HOSE ADAPTER OUTSIDE OF VALVE BOX.

CRUSHED GRAVEL SUMP (1 CU. FT.).

X"INS x MALE ADAPTER W/ S.S. CLAMP.

1"x1"x X" SCH. 40 SxSxF TEE W/ 1"x X"SxF REDUCER BUSHING.

1" PVC EXHAUST HEADER PIPING.
FLOW SENSOR

Fitting #33

- Wiring splice consisting of wire nuts and preformed splice kit.
- Rectangular valve box with extensions as required. Brand "FS" into valve box lid. Refer to technical specifications. Valve box shall not rest directly on flow sensor cable.
- Flow sensor — refer to plan for sizing.
- Finish grade.
- Shielded, twisted, armored communication cable.
- Provide additional wiring within box to allow removal of sensing unit for maintenance purposes.
- 3/4" gravel sump — 2 cu. ft.
- PVC pressure mainline — refer to plan for size.
- 10x pipe dia. min. upstream.
- 5x pipe dia. min. downstream.
- Meter run — refer to plans for pipe diameter.

No fittings including reducer bushings, tees, ells, etc., shall be installed within "meter run" distance.
Diameter of flow sensor tee and "meter run" piping shall be equal. No reducer bushings, adapters, etc., shall be installed within flow sensor tee.
36" COIL #14 AWG UFUL WIRING (SPARE MASTER VALVE WIRE) — BROWN.
#14 AWG UFUL WIRES (MASTER VALVE SOLENOID) — ONE BLUE, ONE ORANGE — EXTEND TO CONTROLLER — (RE: PLAN) FINISH GRADE

RECTANGULAR VALVE BOX WITH EXTENSIONS AS REQUIRED — BRAND "MV" INTO VALVE BOX LID. REFER TO TECHNICAL SPECIFICATIONS.

ELECTRIC MASTER CONTROL VALVE REFER TO EQUIPMENT SCHEDULE FOR MANUFACTURER, MODEL # AND DIAMETER.

SLIPxMIPT SCH. 40 PVC ADAPTER (2)

PRESSURE MAINLINE

3/4" CRUSHED GRAVEL SUMP — ADD TO BOTTOM OF VALVE AND PIPING
NOTE: CENTER BOX OVER VALVE ASSEMBLY.
APPLY TEFLOMN TAPE TO ALL MIPT THREADS