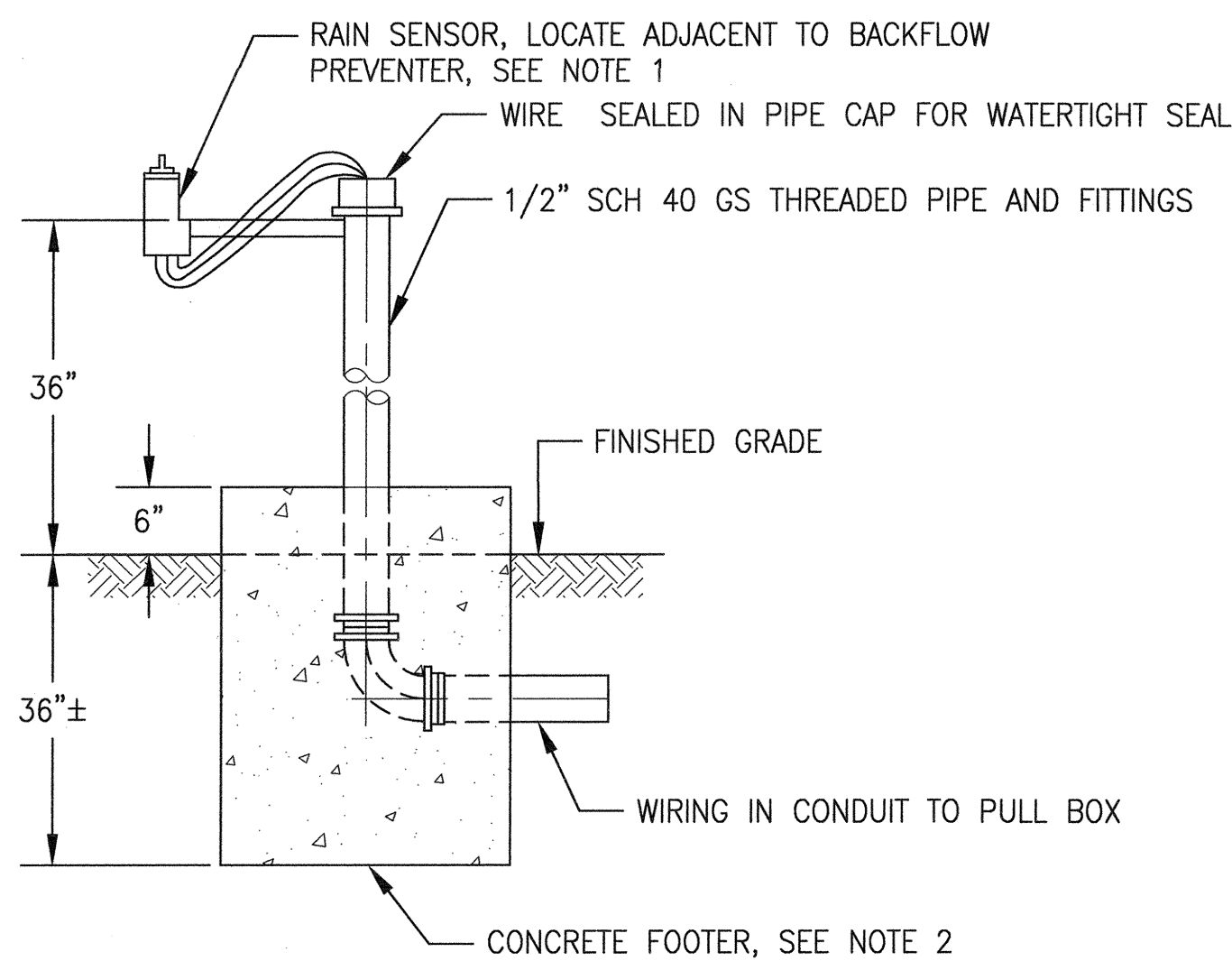


SOLAR POWERED IRRIGATION CONTROLLER DETAIL 30

NOTES:

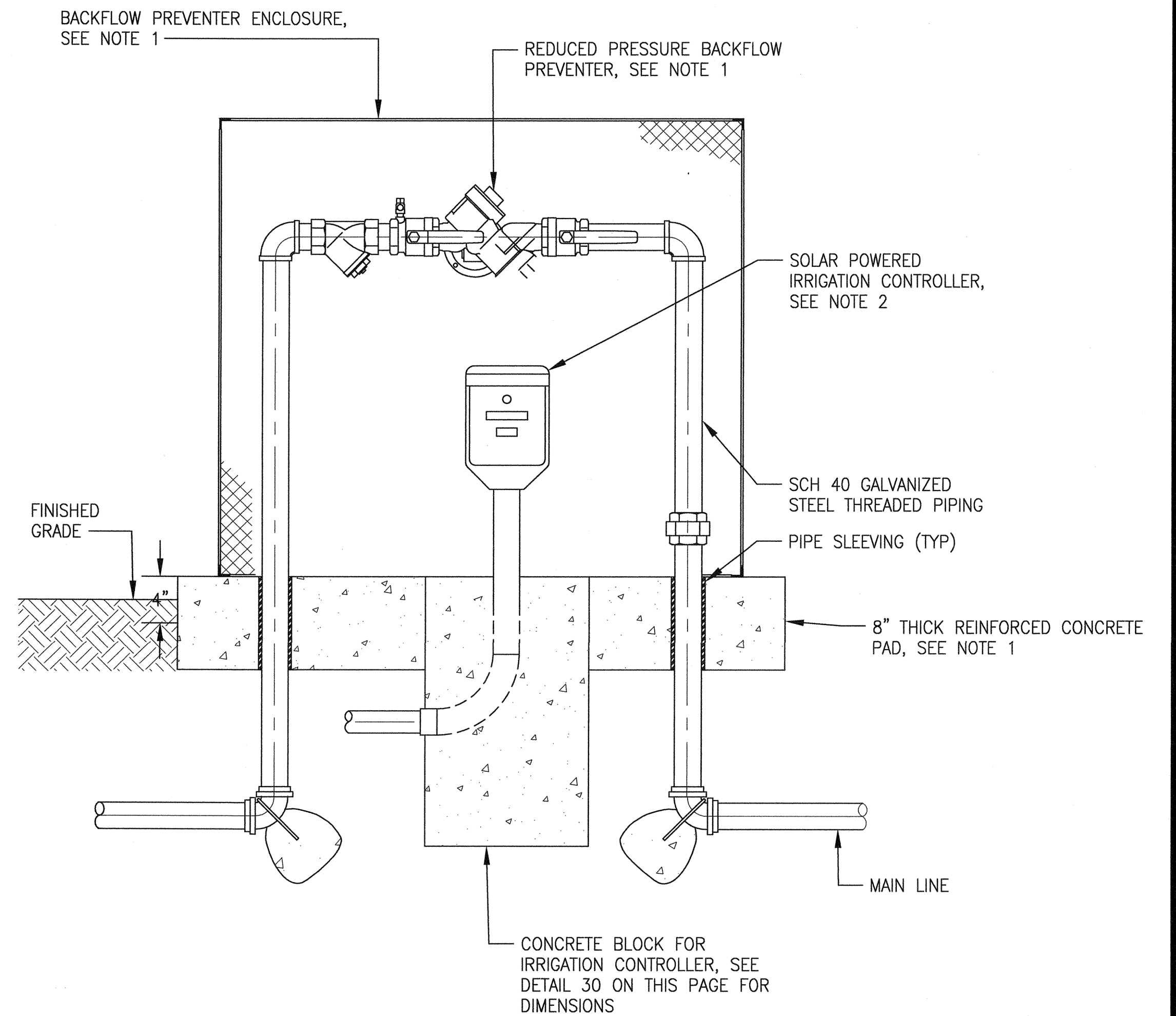
1. THE CONTROLLER SHALL BE MOUNTED WITH THE OPERATING SIDE FACING THE NORTH DIRECTION AND A MINIMUM OF 48" FROM THE MEDIAN ISLAND CURB FACE. THE CONTROLLER SHALL BE INSTALLED AS RECOMMENDED BY THE CONTROLLER MANUFACTURE AND AS DIRECTED BY THE CITY REPRESENTATIVE.
2. THE CONCRETE FOOTING SHALL BE 20" SQUARE.
3. THE STEEL POST AND ELBOW SHALL BE FURNISHED BY THE MANUFACTURER OF THE POST MOUNTED CONTROLLER.



MEDIAN ISLAND MOUNTED WEATHER SENSOR DETAIL 31

NOTES:

1. LOCATE WEATHER SENSOR AS RECOMMENDED BY THE SENSOR MANUFACTURER AND APPROVED BY THE CITY REPRESENTATIVE.
2. THE CONCREET FOOTING SHALL BE 18" SQAURE WHEN SENSOR IS TO BE A STANDALONE MOUNTED UNIT. SENSOR SHALL NOT BE SECURED TO BACKFLOW PREVENTOR ENCLOSURE OR CONTROLLER CABINET.



SOLAR POWERED CONTROLLER AND BACKFLOW PREVENTOR DETAIL 32

NOTES:

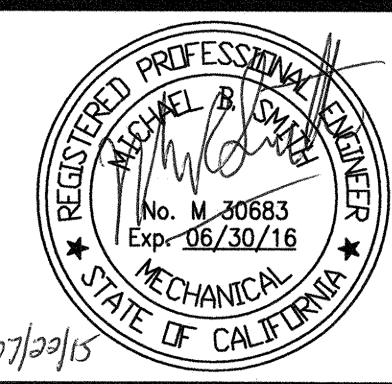
1. SEE DETAIL 19 ON DWG LI-136 FOR LAYOUT AND DETAILS FOR INSTALLING THE BACKFLOW PREVENTER, FABRICATED ENCLOSURE AND REINFORCED CONCRETE PAD.
2. LOCATE CONTROLLER IN BACKFLOW PREVENTOR ENCLOSURE AS REQUIRED FOR OPTIMUM SUN EXPOSURE, ACCESSIBILITY FOR OPERATION AND MINIMUM 6" CLEARANCE WITH ENCLOSURE AND BACKFLOW PREVENTER/PIPING. THE FINAL LOCATION OF THE CONTROLLER SHALL BE APPROVED IN WRITING BY THE CITY REPRESENTATIVE PRIOR TO FORMING AND POURING ANY CONCRETE.
3. REINFORCED CONCRETE EQUIPMENT PAD AND IRRIGATION CONTROLLER FOOTER SHALL BE POURED AS AN INTEGRAL UNIT.

| NO. | DATE | DESCRIPTION | BY | APP. |
|---|------|-------------|----|------|
| TABLE OF REVISIONS | | | | |
| THIS DRAWING WAS LAST MODIFIED: 07/23/15 11:56, BY: leeno | | | | |

REFERENCE INFORMATION & FILE NO. OF SURVEYS



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CITY AND COUNTY OF SAN FRANCISCO



DESIGNED: DATE:
M SMITH 07/2015

DRAWN: DATE:
N LEE 07/2015

CHECKED: DATE:
M CHEE 07/2015

APPROVED
Handwritten Signature JUL 23 2015

SECTION MANAGER DATE:
Handwritten Signature 7/24/15

DEPUTY DIVISION MANAGER DATE:
Handwritten Signature 7/24/15

DIVISION MANAGER DATE:

SCALE:
NONE

SHEET OF SHEETS

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT

LANDSCAPE IRRIGATION SYSTEMS
NEW WORK -- DETAILS X

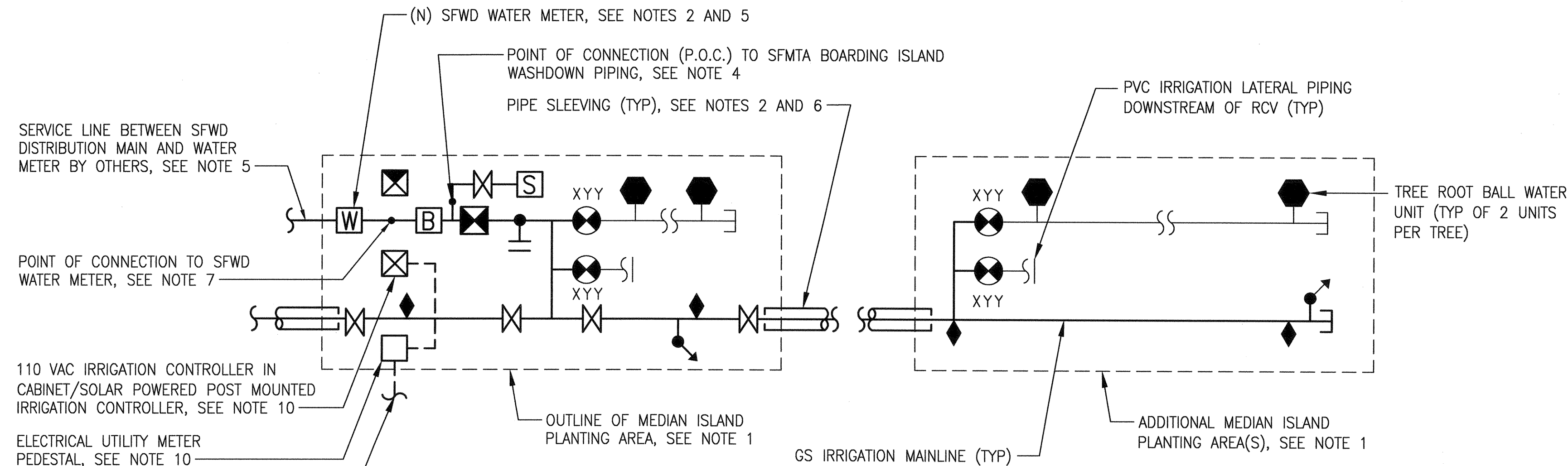
JOB ORDER NO.
2106J

DRAWING NO.
LI-141

FILE NO.
102,659

REV. NO.
0

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Plot Time: Thu, 23 Jul 2015 11:56am
Model Units: Inches
Measurement Units are English



TYPICAL MEDIAN AREA IRRIGATION PIPING SCHEMATIC

NOTES:

- REFER TO INDIVIDUAL PLAN DWGS AND DWGS LI-G2.4 THROUGH LI-G2.6 FOR NUMBER AND LOCATION(S) OF MEDIAN ISLAND PLANTING AREAS TO BE IRRIGATED UNDER EACH IRRIGATION SYSTEM. LAYOUT IS TYPICAL FOR ALL IRRIGATION SYSTEM INSTALLATIONS UNLESS OTHERWISE NOTED ON INDIVIDUAL PLAN DWGS.
- REFER TO DWG LI-G2.2 FOR IRRIGATION LEGEND, ABBREVIATIONS AND REFERENCES TO DETAIL DRAWINGS.
- F/1 MINIMUM TWO (2) QUICK COUPLERS FOR EACH MEDIAN PLANTING AREA. MAXIMUM SPACING BETWEEN QUICK COUPLERS SHALL BE 75' AND 50' TO END OF PLANTING AREA. NOT ALL QUICK COUPLERS REQUIRED TO BE INSTALLED ARE SHOWN ON INDIVIDUAL PLAN DWGS OR ON THIS SHEET.
- WHEN AS SHOWN ON THE IRRIGATION SYSTEM PLAN DWGS, THE CONTRACTOR SHALL FURNISH AND INSTALL PIPING, SLEEVING AND VALVES, FOR THE SFMTA MUNI BOARDING WASH DOWN WATER SYSTEM. USE ADAPTORS AND REDUCERS AS REQUIRED. REFER TO THE ARCHITECTURAL ROADWAY DWGS IN THE CONTRACT PACKAGE FOR CONNECTING INTO SFMTA MUNI BOARDING ISLAND. ALL WASH DOWN PIPING, INCLUDING IN AND UNDER THE BOARDING ISLANDS, SHALL BE PERFORMED AS PART OF THE LANDSCAPE WORK
- REFER TO THE SPECIFICATIONS FOR CONTRACTOR'S REQUIREMENTS FOR REMOVING ALL (E) SFWD WATER METERS AND RELATED (E) ABOVE GRADE IRRIGATION EQUIPMENT AND PIPING SHOWN TO BE REMOVED ON THE NEW WORK PLAN DWGS. REFER TO THE NEW WORK PLAN DWGS FOR INSTALLING (N) SFWD WATER METERS AT LOCATIONS AS SHOWN ON THE PLAN DWGS INCLUDING NEW WATER SERVICE. REFER TO THE SPECIFICATIONS FOR ADDITIONAL DETAILS.
- PIPE SLEEVING SHALL EXTEND INTO THE MEDIAN PLANTING AREA A MINIMUM OF 36" PAST THE FACE OF CURB.
- THE CONTRACTOR SHALL CONNECT INTO THE DOWNSTREAM OF THE SFWD WATER METER(S) USING ADAPTIONS AND REDUCTIONS AS REQUIRED.
- ALL CONTROL WIRING BETWEEN IRRIGATION COMPONENTS SHALL BE RAN IN CONDUIT INCLUDING WHEN RUNNING BETWEEN MEDIAN AREAS THROUGH PIPE SLEEVING UNDER ROADWAYS.
- DUE TO CLARITY, WEATHER SENSORS, FLOW METERS, IRRIGATION CONTROLLERS, PIPE FITTINGS AND WIRING/CONDUIT ARE NOT SHOWN ON THE PLAN DWGS. THESE PIECES OF EQUIPMENT AND MATERIALS SHALL BE INCLUDED AS PART OF THE WORK SCOPE. THE CONTRACTOR SHALL SUBMIT FULL SIZE DWG (22" X 34") SHOWING THE LAYOUT OF ALL IRRIGATION EQUIPMENT, PIPING, BUBBLERS, CONTROLLER, WATER METER, BACKFLOW PREVENTER, QUICK COUPLERS, VALVES AND CONDUITS TO BE INSTALLED ON THE MEDIAN AREAS. THE CONTRACTOR SHALL LOCATE THE ABOVE AND BELOW GRADE (VALVE BOXES) IRRIGATION EQUIPMENT AS DIRECTED BY THE CITY REPRESENTATIVE IN ORDER TO MINIMIZE DISRUPTION TO TREES, SHRUBS AND OTHER PLANTING LAYOUT PATTERNS AS SHOWN ON THE LANDSCAPE DRAWINGS. THE CITY REPRESENTATIVE SHALL RESERVE THE RIGHT TO MAKE FIELD CHANGES AS NEEDED TO ACCOMMODATE THE LANDSCAPE PLANTING PLANS WITHOUT ADDITIONAL COST TO THE CITY. THE CONTRACTOR'S SUBMITTED LAYOUTS SHALL BE APPROVED IN WRITING BY THE CITY REPRESENTATIVE PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY ON THE MEDIAN AREAS FOR INSTALLING THE INDIVIDUAL IRRIGATION SYSTEMS.
- WHERE 110 VAC IRRIGATION CONTROLLERS ARE TO BE INSTALLED FOR INDIVIDUAL IRRIGATION SYSTEMS, REFER TO RELATED ELECTRICAL DWGS IN THE CONTRACT PACKAGE FOR SUPPLYING ELECTRICAL UTILITY SERVICES TO THE INDIVIDUAL IRRIGATION SYSTEM. THE WORK SHALL INCLUDE ALL COSTS FOR PG&E METER PEDESTALS TO BE FURNISHED AND INSTALLED ON THE SIDEWALK AND/OR MEDIAN AREA, NEW ELECTRICAL SERVICE TO BE INITIATED, CONDUIT AND WIRING TO THE IRRIGATION CONTROLLER, AND COSTS FOR APPLYING FOR ALL PERMITS. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT ELECTRICAL CODES. AT LOCATIONS WHERE THE METER PEDESTALS ARE NOT TO BE LOCATED ON THE MEDIAN ISLAND, ELECTRICAL WORK WILL INCLUDE WIRE/CONDUITS TO PULL BOX ON MEDIAN. CONTRACTOR SHALL HARD WIRE IRRIGATION CONTROLLER INTO ELECTRICAL SUPPLY PER APPLICABLE CODE.

LEGEND:

| SYMBOL | DESCRIPTION |
|--------|---|
| W | WATER METER, SEE DETAIL (21) LI-137 |
| B | BACKFLOW PREVENTER ASSY, SEE DETAILS (19) LI-136 (32) LI-141 |
| S | SFMTA BOARDING ISLAND WASH DOWN WATER GROUND HYDRANT, SEE NOTE 4 AND DETAIL (34) LI-145 |
| ⊗ | IRRIGATION CONTROLLER, SEE DETAILS (26) LI-139 (30) LI-141 (32) LI-141 |
| ⊗ | WEATHER SENSOR, SEE DETAIL (31) LI-141 |
| ⊗ | MASTER REMOTE CONTROL VALVE (MRCV), SEE DETAILS (05) LI-132 (22) LI-137 |
| ⊗ | LATERAL REMOTE CONTROL VALVE (RCV), SEE DETAILS (01) LI-132 (05) LI-132 |
| ⊗ | COMBINATION AIR VALVE, SEE DETAILS (02) LI-132 (05) LI-132 |
| ⊗ | ISOLATION GATE VALVE, SEE DETAILS (05) LI-132 (07) LI-133 (08) LI-133 |
| ⊗ | SHRUB/PLANTING AREA IRRIGATION LAYOUT, SEE INDIVIDUAL PLAN DWGS AND THIS SHEET |
| ⊗ | TREE ROOT ZONE WATERING UNIT (2 PER TREE), SEE DETAIL (20) LI-137 |
| ⊗ | SHRUB ROOT ZONE WATERING UNIT (1 PER SHRUB), SEE DETAIL (35) LI-146 |
| ⊗ | QUICK COUPLER, SEE DETAIL (04) LI-132 AND NOTE 3 |
| ⊗ | CAPPED LINE |
| ⊗ | PIPE SLEEVE, SEE DETAIL (06) LI-133 |
| ⊗ | FLOW METER/SENSOR, SEE DETAIL (09) LI-133 |
| XYX | IRRIGATION SYSTEM (X) AND BUBBLER LATERAL (Y) |

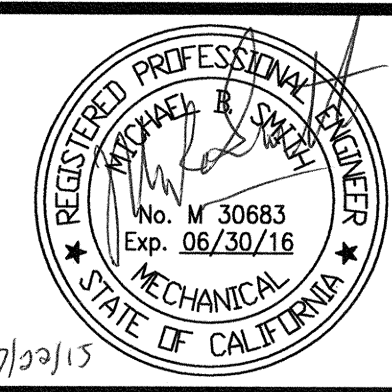
MEDIAN AREA IRRIGATION LAYOUT DETAIL (32)

| NO. | DATE | DESCRIPTION | BY | APP. |
|---|------|-------------|----|------|
| TABLE OF REVISIONS | | | | |
| THIS DRAWING WAS LAST MODIFIED: 07/22/15 10:31, BY: leeno | | | | |

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|---|
| REFERENCE INFORMATION & FILE NO. OF SURVEYS |
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| | |
|-----------------|----------------|
| DESIGNED: DATE: | M SMITH 072015 |
| DRAWN: DATE: | MM 07/2015 |
| CHECKED: DATE: | M CHEE 07/2015 |

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|-------------------------|-------------|
| APPROVED | DATE: |
| <i>Michael R. Smith</i> | JUL 23 2015 |
| SECTION MANAGER | DATE: |
| <i>Michael R. Smith</i> | 7/24/15 |
| DEPUTY DIVISION MANAGER | DATE: |
| <i>Michael R. Smith</i> | 7/27/15 |
| DIVISION MANAGER | DATE: |

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| SHEET OF SHEETS | |

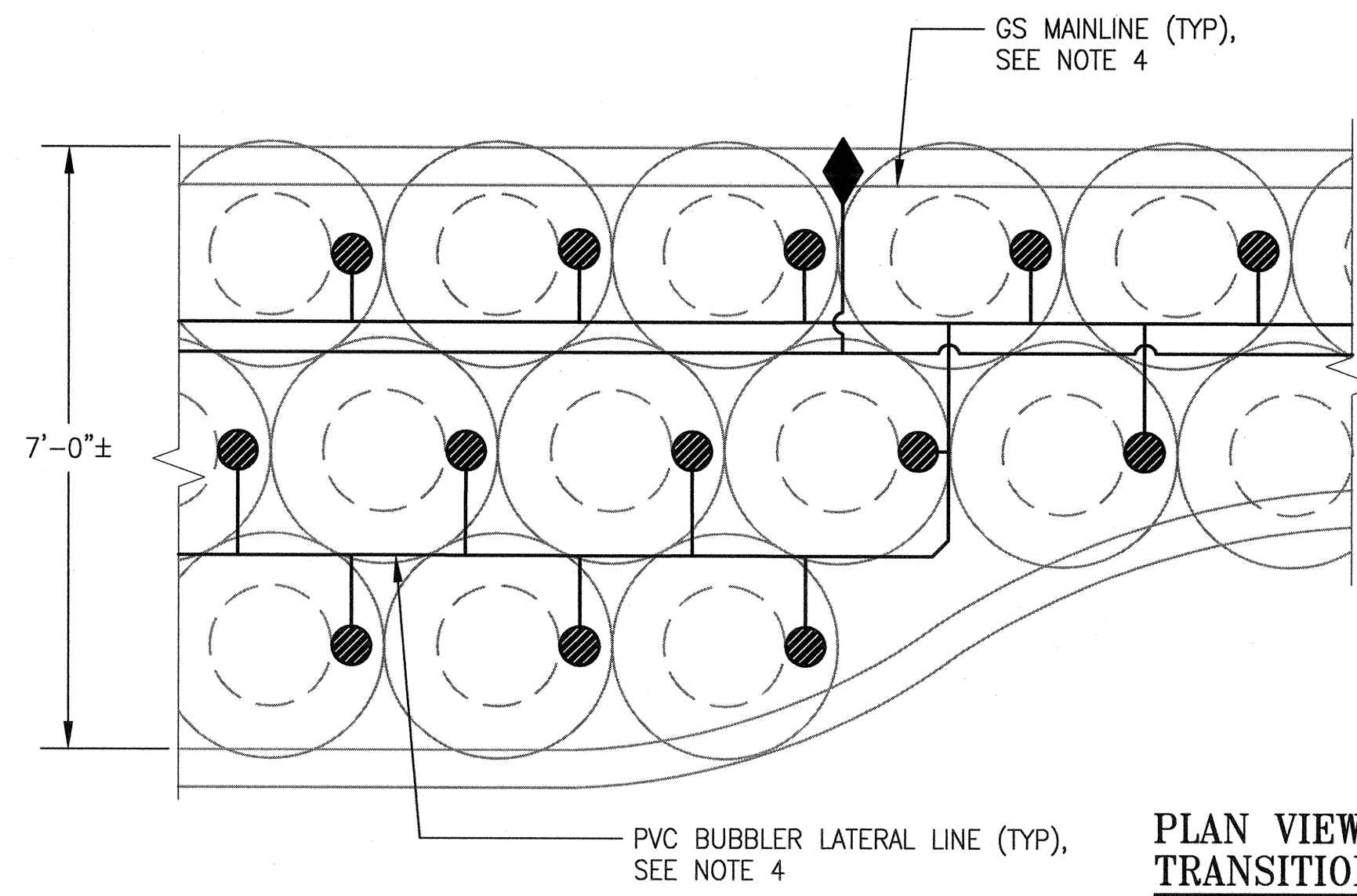
MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
LANDSCAPE IRRIGATION SYSTEMS
NEW WORK - DETAILS XI

| | |
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| JOB ORDER NO. | 2106J |
| DRAWING NO. | LI-142 |
| FILE NO. | 102,660 |
| REV. NO. | 0 |

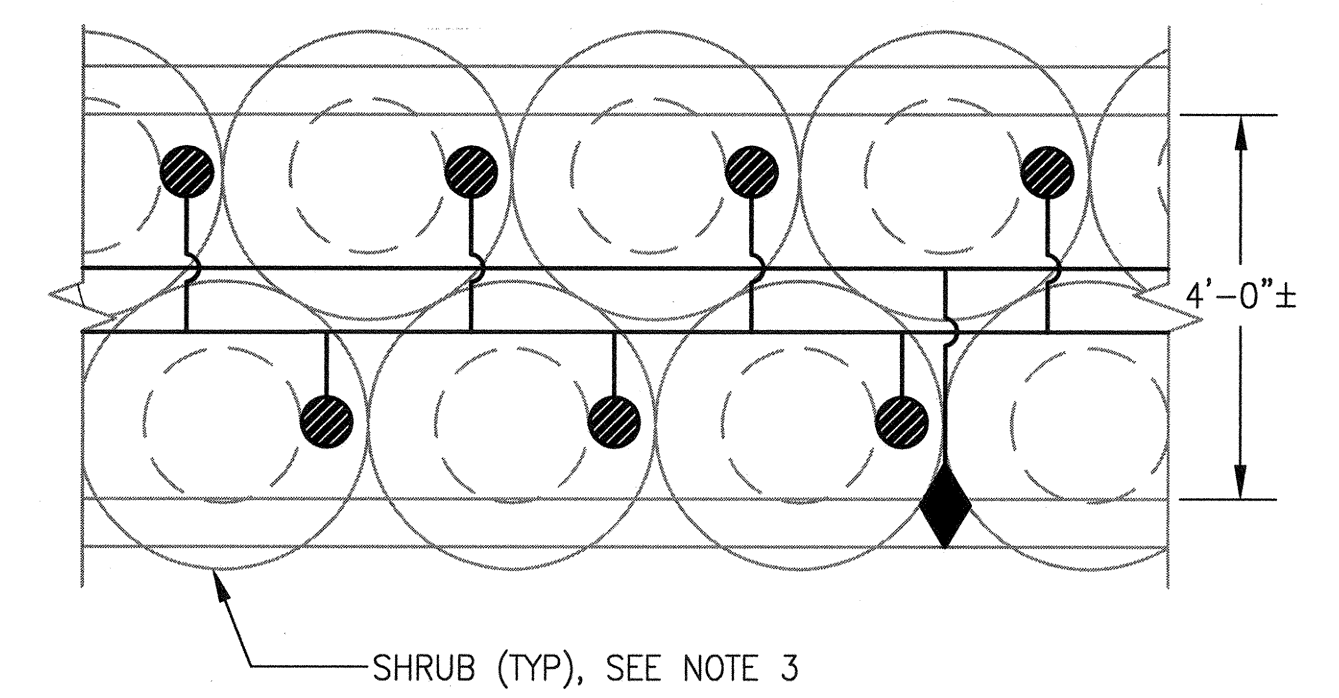
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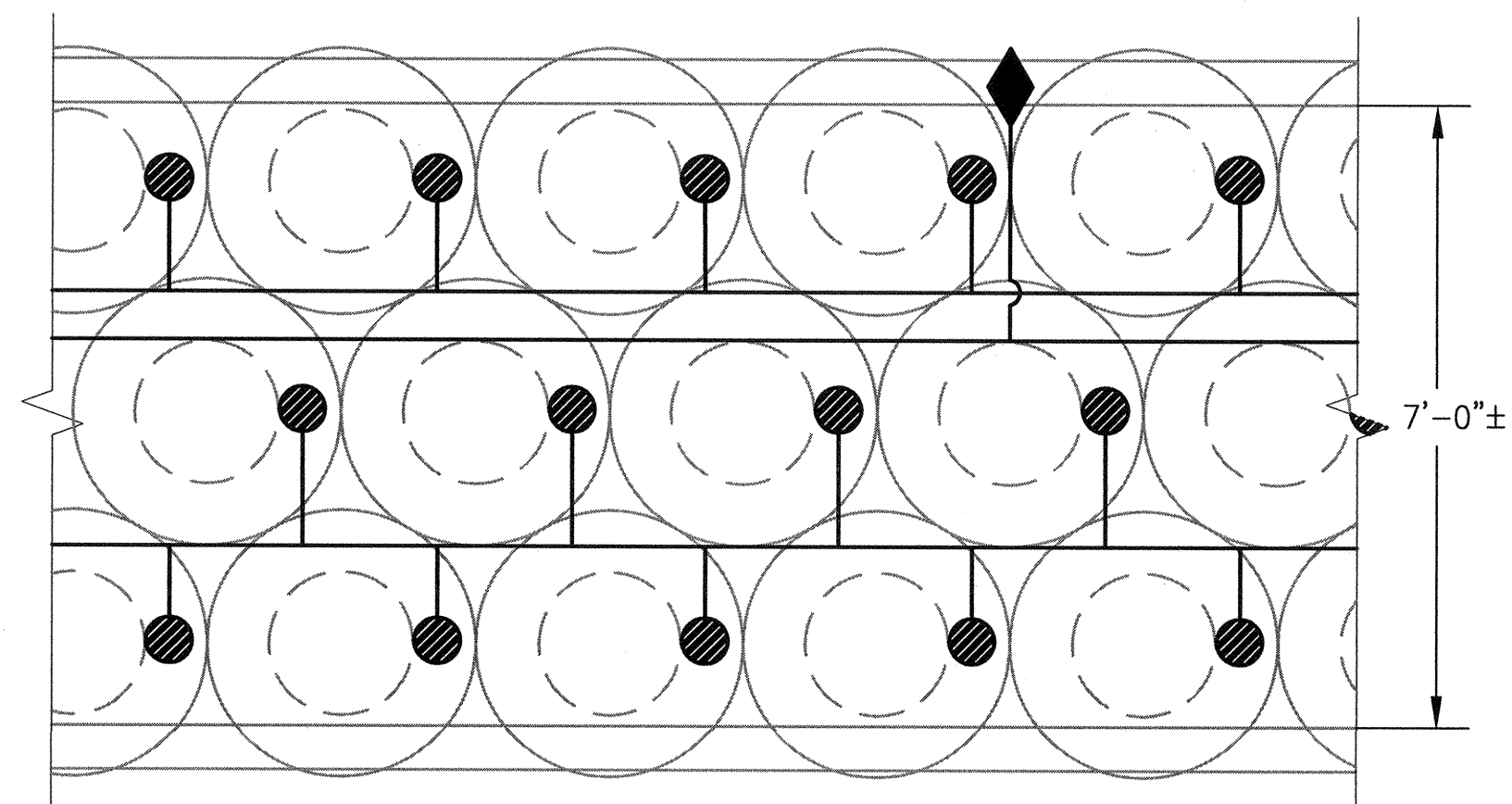
1. THE CONTRACTOR SHALL SUBMIT A LAYOUT SHOWING THE PIPING AND IRRIGATION OUTLETS FOR APPROVAL IN WRITING BY THE CITY REPRESENTATIVE PRIOR TO BEGINNING WORK.
2. THE CONTRACT BASE BID SHALL INCLUDE F/I 110% OF THE QUANTITY OF PLANTING AREA ROOT ZONE WATERING UNITS AND SWING JOINTS AS FURNISHED FOR THE ENTIRE CONTRACT WORK.
3. REFER TO THE LANDSCAPE DWGS FOR SPACING AND QUANTITY OF PLANTS. THE OUTLETS SHALL BE INSTALLED AS SHOWN, ONE (1) PER SHRUB, WITH FINAL LOCATION RELATIVE TO THE SHRUB ROOT BALL AS DIRECTED BY THE CITY REPRESENTATIVE.
4. THE GS MAINLINE AND PVC LATERAL PIPING IS SHOWN SCHEMATICALLY AND SHALL BE INSTALLED TO SUIT FIELD CONDITIONS. REFER TO PLAN DWGS FOR LAYOUT OF IRRIGATION COMPONENTS NOT SHOWN ON THESE DETAILS. REFER TO THE PLAN DWGS FOR INSTALLING THE SFMTA MUNI BOARDING ISLAND WASHDOWN PIPING. INSTALL IRRIGATION CONTROL WIRING IN CONDUITS AS REQUIRED TO OPERATE THE RCV(S). MINIMUM HORIZONTAL CLEARANCE BETWEEN ALL PIPING AND CONDUITS SHALL BE 9". REFER TO DETAIL 12 ON DWG LI-134 FOR PIPE AND CONDUIT DEPTHS.
5. OUTLETS SHALL BE FURNISHED WITH A TRIPLE SWING JOINT, EITHER AS A SEPERATE ITEM, INCLUDED AS PART OF THE OUTLET ASSEMBLY.
6. MINIMUM PIPE SIZE SHALL BE 3/4-INCH SCHEDULE 40 PVC. REFER TO THE PLAN DWGS AND TABLE ON DWG LI-G2.3 FOR PIPE SIZING.
7. INSTALL TWO (2) TREE ROOT BALL WATERING UNITS AT ALL (N) TREE LOCATIONS AS SHOWN ON THE PLAN DWGS. REFER TO DETAIL 20 ON DWG LI-137. REFER TO DETAIL 35 ON DWG LI-146 FOR INSTALLING ONE (1) SHRUB ROOT BALL WATERING UNIT AT EACH SHRUB.
8. FLOW RATES IN ALL LATERAL PIPES SHALL NOT EXCEED 5 FT/SEC. NOTIFY THE CITY REPRESENTATIVE IN WRITING IF THE RC VALVE SIZE SHOWN ON THE DRAWINGS WILL CAUSE THE FLOW TO EXCEED 5 FT/SEC. THE CONTRACTOR SHALL ALLOW THE CITY REPRESENTATIVE TO INCREASE THE RC VALVE AND LATERAL MAIN PIPING SIZE BY ONE PIPE SIZE WITHOUT ADDITIONAL COST TO THE CITY WHERE REQUIRED TO MAINTAIN THE FLOW RATE AT 5 FT/SEC OR LESS.
9. REFER TO PLAN DWGS AND DWG LI-142 FOR MAXIMUM SPACING AND LOCATIONS OF QUICK COUPLERS.
10. NOTIFY THE CITY REPRESENTATIVE IN WRITING PRIOR TO BEGINNING WORK IF THERE IS A DIFFERENCE OF 12- FEET OR GREATER IN ELEVATION BETWEEN ANY OUTLET ON A PARTICULAR LATERAL.



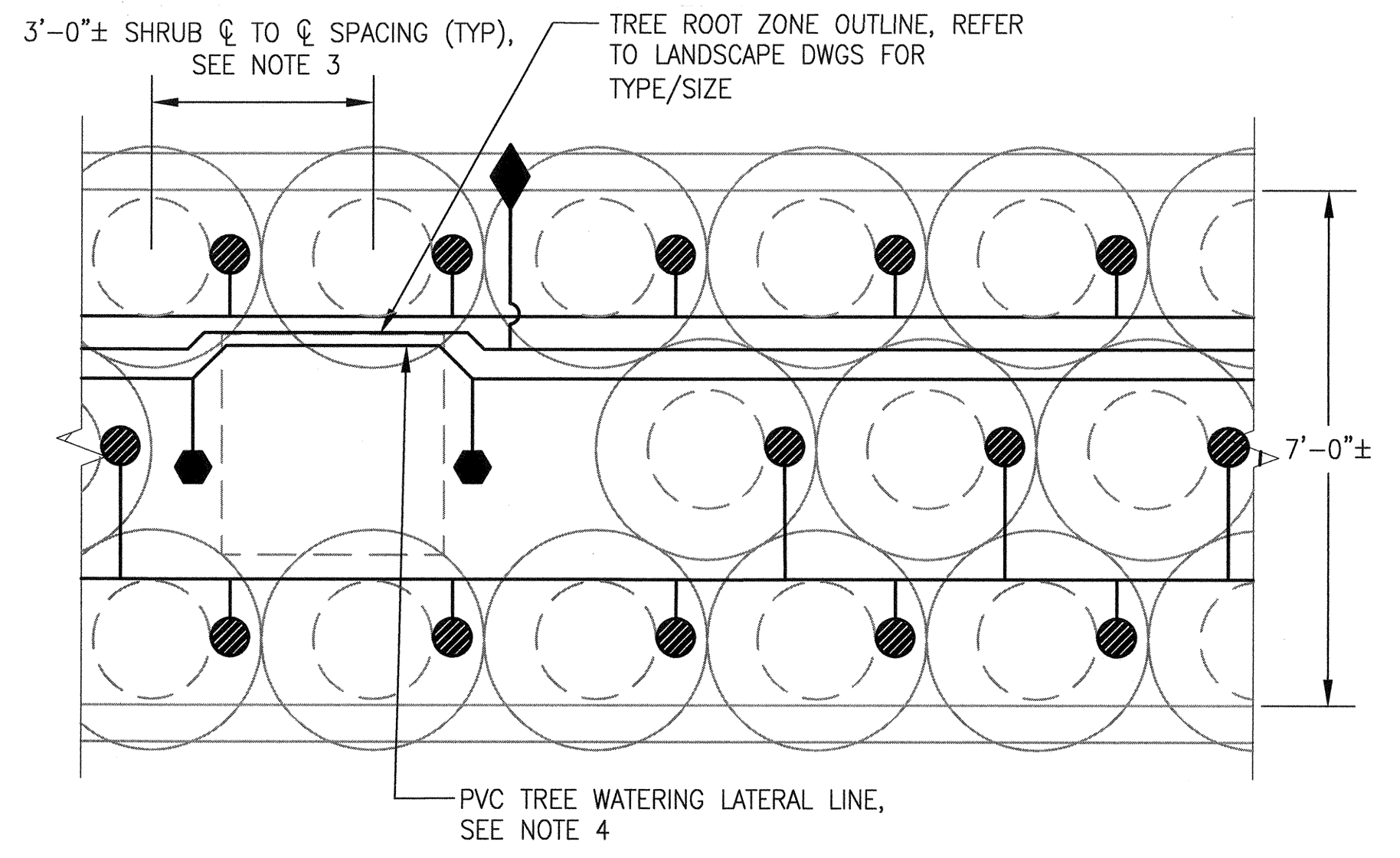
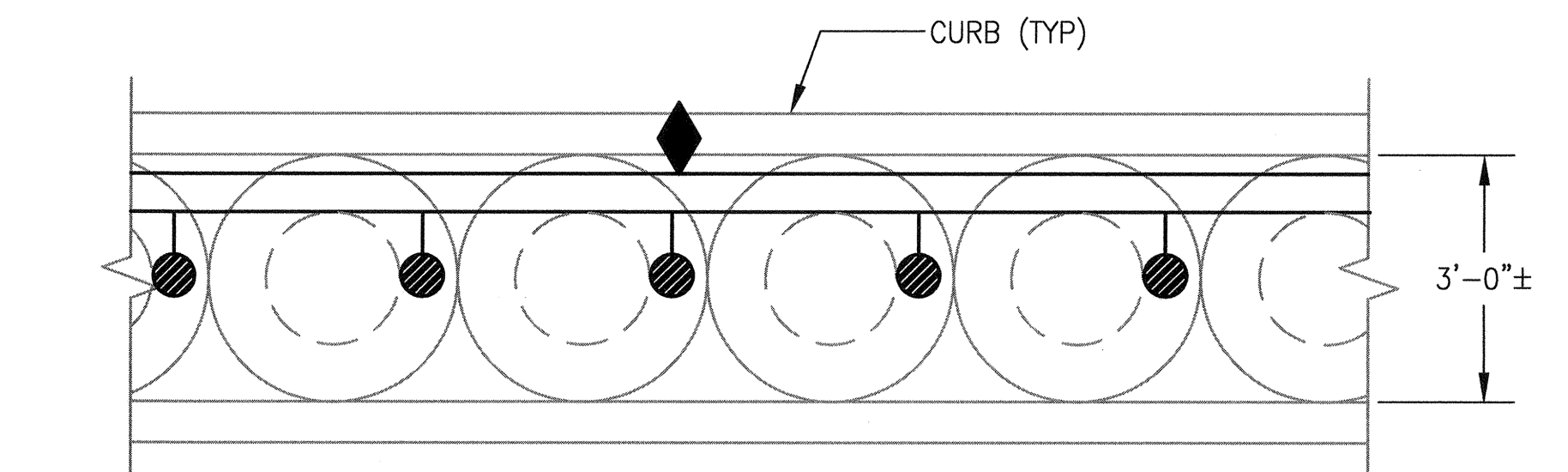
PLAN VIEW (PLANT ROWS IN MEDIAN ISLAND TRANSITION SECTION AND 4' WIDE MEDIAN ISLAND)



PLAN VIEW (PLANT ROWS IN 3' WIDE MEDIAN ISLANDS)



PLAN VIEW (MEDIAN ISLAND WITH TRIANGULAR SPACED PLANT ROWS)



PLAN VIEW (MEDIAN ISLAND WITH TREE AND TRIANGULAR SPACED PLANT ROWS)

| IRRIGATION LEGEND | | |
|-------------------|---------------------------------|--------|
| SYMBOL | DESCRIPTION | GPM |
| ● | SHRUB ROOT ZONE WATERING OUTLET | .25 |
| ⬠ | TREE ROOT ZONE WATERING OUTLET | 1.00 |
| ◆ | QUICK COUPLER | VARIES |

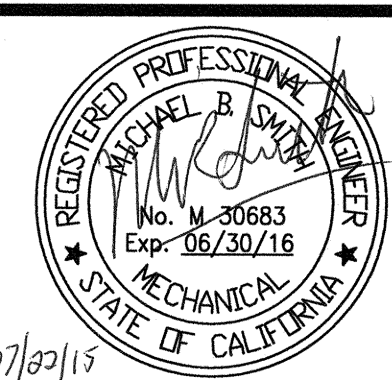
MEDIAN ISLAND PLANTING AREA OUTLET LAYOUT DETAIL (33A)
(SHEET ONE OF TWO)

| NO. | DATE | DESCRIPTION | BY | APP. |
|---|------|-------------|----|------|
| TABLE OF REVISIONS | | | | |
| THIS DRAWING WAS LAST MODIFIED: 07/23/15 11:37, BY: leeno | | | | |

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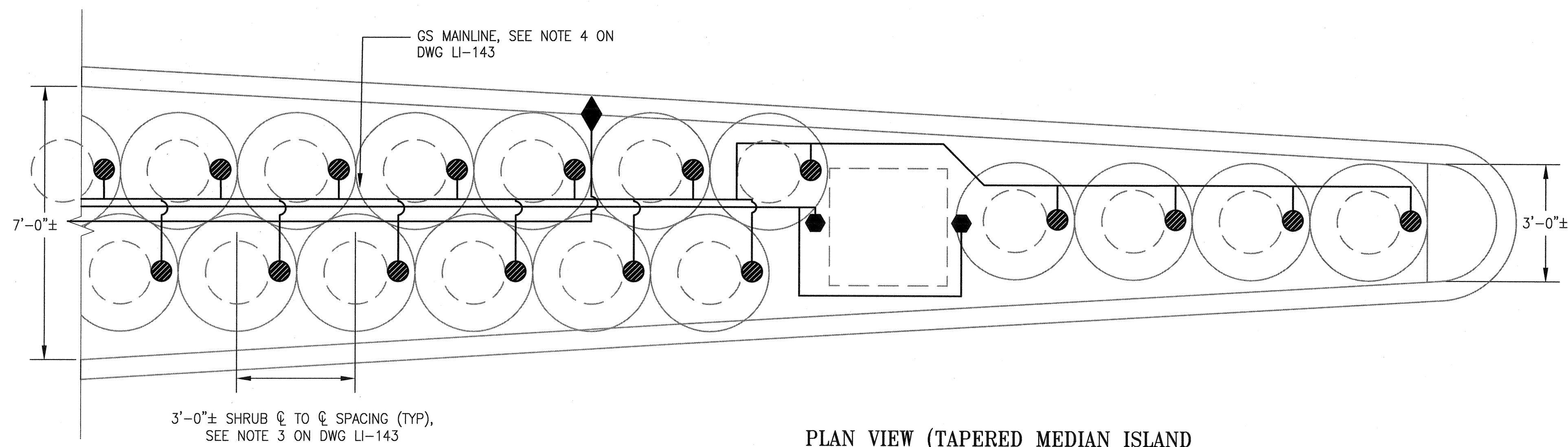
APPROVED: DATE: *Mark* JUL 23 2015
SECTION MANAGER DATE: *Shane* 7/24/15
DEPUTY DIVISION MANAGER DATE: *Paul* 7/27/15
DIVISION MANAGER DATE:

SCALE: NONE
SHEET OF SHEETS

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
LANDSCAPE IRRIGATION SYSTEMS
NEW WORK - DETAILS XII

JOB ORDER NO. 2106J
DRAWING NO. LI-143
FILE NO. 102,661
REV. NO. 0

Drawing Path: V:\2106L_VANNESS_BRT_Mission_Lombard\2_Design\Working\Drawings\EME\Irrigation-Current\BDC_TB22x34_EME.dwg
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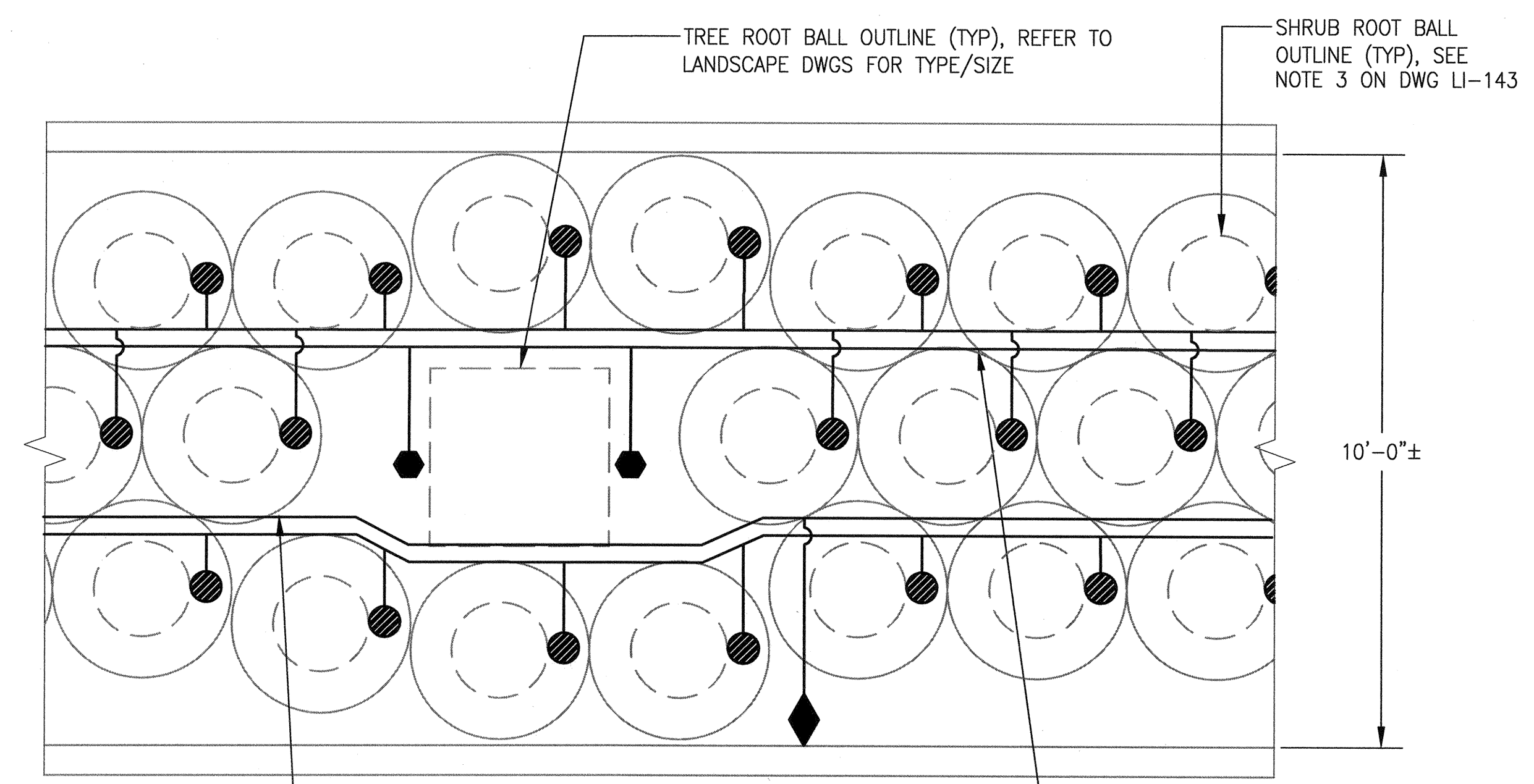


3'-0"± SHRUB ϕ TO ϕ SPACING (TYP),
SEE NOTE 3 ON DWG LI-143

**PLAN VIEW (TAPERED MEDIAN ISLAND
WITH TRIANGULAR SPACED PLANT ROWS)**

NOTES:
1. SEE DWG LI-143 FOR NOTES FOR THIS SHEET.

| IRRIGATION LEGEND | | |
|-------------------|---------------------------------|--------|
| SYMBOL | DESCRIPTION | GPM |
| | SHRUB ROOT ZONE WATERING OUTLET | .25 |
| | TREE ROOT ZONE WATERING OUTLET | 1.00 |
| | QUICK COUPLER | VARIES |



GS MAINLINE, SEE NOTE 4
ON DWG LI-143

**PLAN VIEW 10' WIDE (MEDIAN ISLAND WITH TREE
AND TRIANGULAR SPACED PLANT ROWS)**

MEDIAN ISLAND PLANTING AREA OUTLET LAYOUT DETAIL (33B)
(SHEET TWO OF TWO)

| NO. | DATE | DESCRIPTION | BY | APP. |
|---|------|-------------|----|------|
| TABLE OF REVISIONS | | | | |
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DRAWN: DATE: AH/MM 07/2015
CHECKED: DATE: M CHEE 07/2015

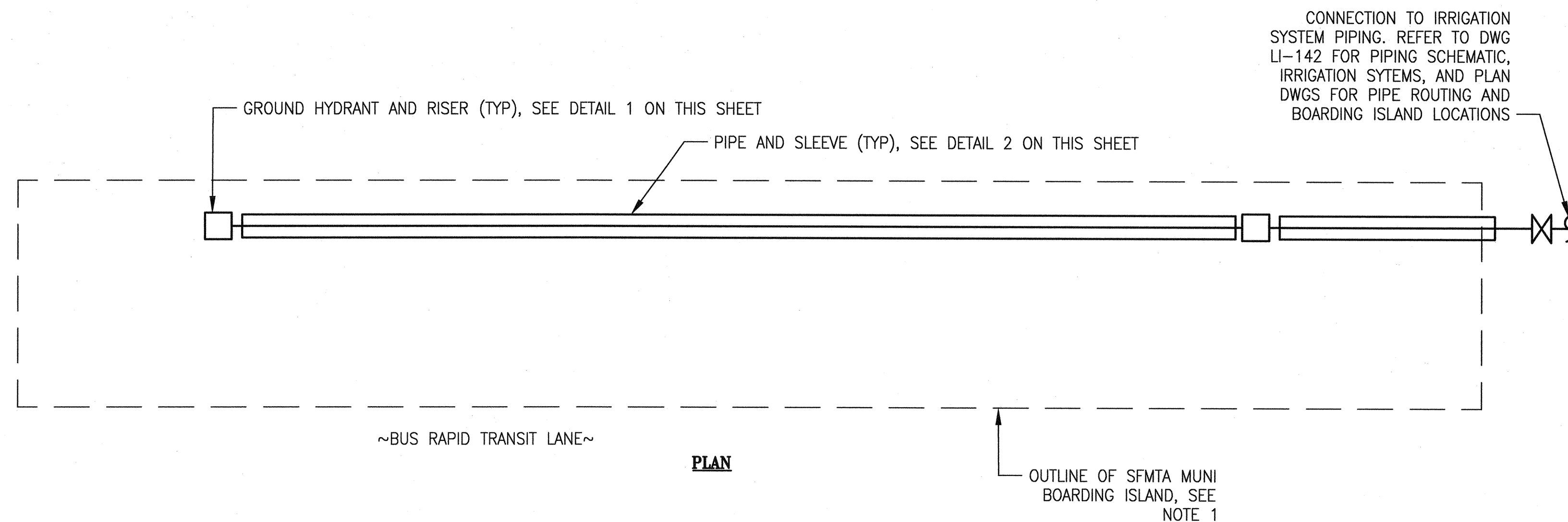
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SECTION MANAGER: DATE: *Handwritten* 7/24/15
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DIVISION MANAGER: DATE:

SCALE: NONE
SHEET OF SHEETS

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
LANDSCAPE IRRIGATION SYSTEMS
NEW WORK - DETAILS XIII

JOB ORDER NO. 2106J
DRAWING NO. LI-144
FILE NO. 102,662
REV. NO. 0

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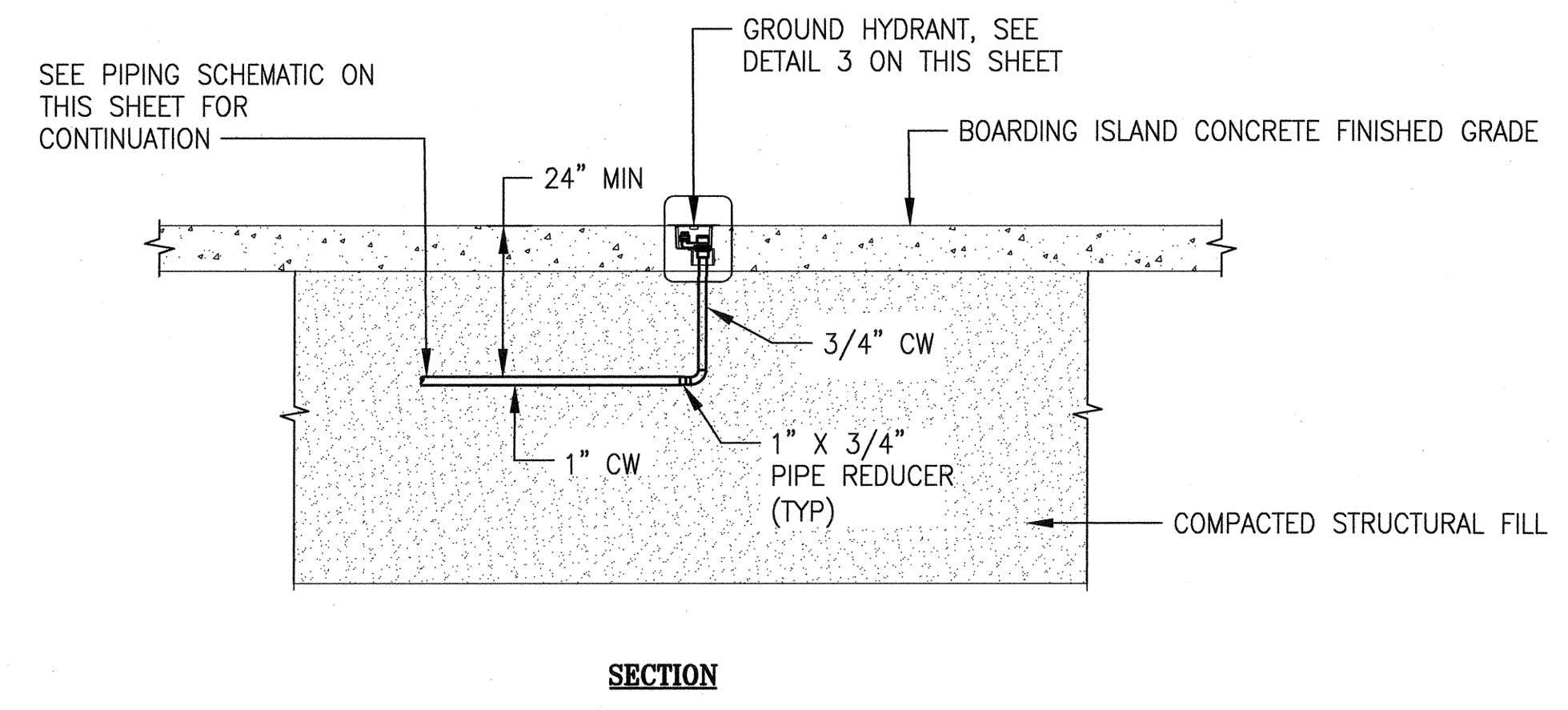


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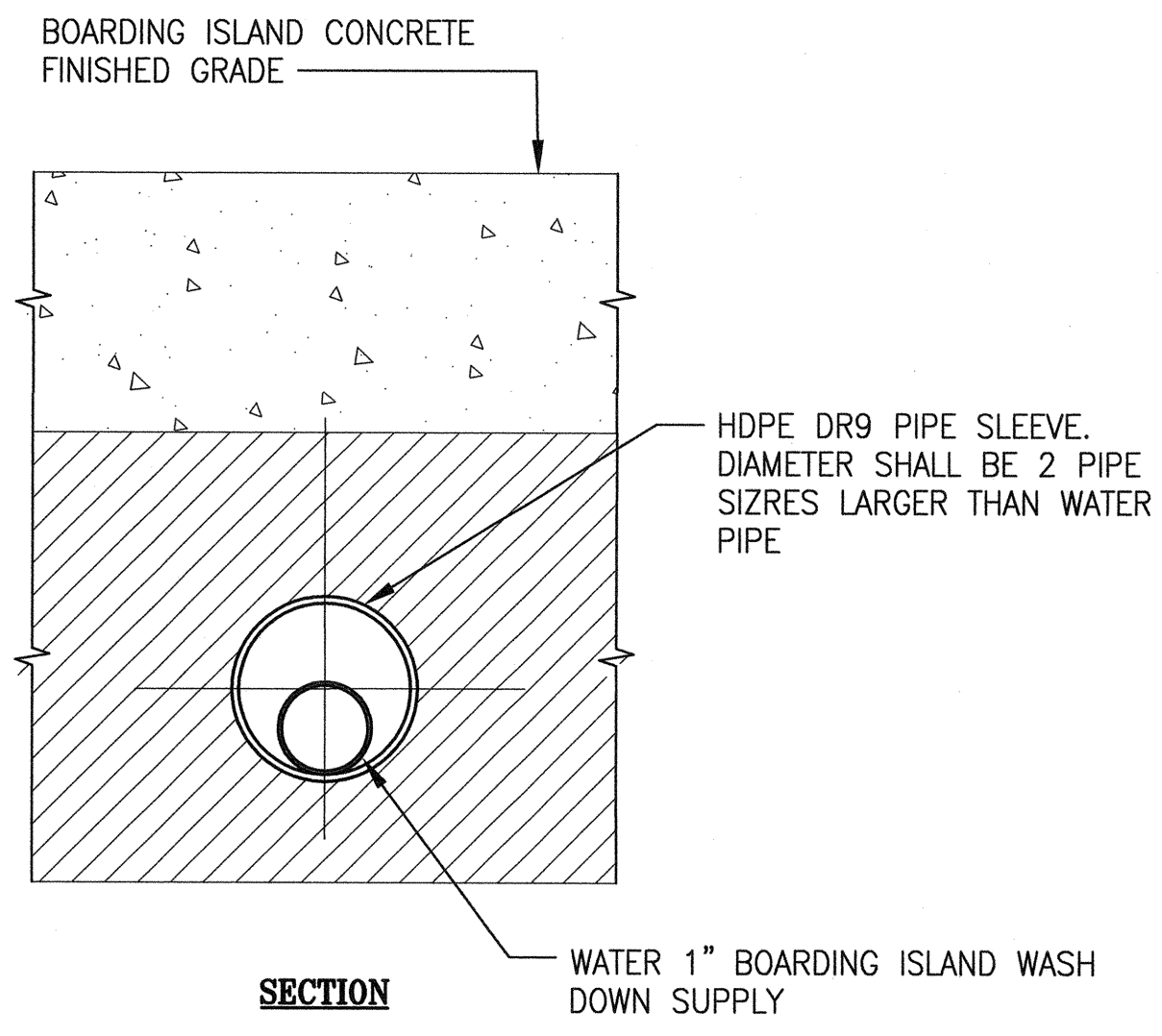
| SYMBOL | DESCRIPTION |
|--------|----------------------|
| | ISOLATION GATE VALVE |
| | GROUND HYDRANT |
| | PIPE AND SLEEVING |
| CW | COLD WATER |

- NOTES:**
- REFER TO RELATED DWGS IN THE CONTRACT PACKAGE FOR SFMTA MUNI BOARDING ISLAND PLAN DWGS AND LOCATION OF GROUND HYDRANTS, LOCATIONS OF BOARDING ISLANDS AND LOCATIONS OF GROUND HYDRANTS ON THESE DWGS SHALL TAKE PRECEDENCE OVER THIS SHEET AND LANDSCAPE IRRIGATION DWGS.
 - F/I DIELECTRIC COUPLING BETWEEN DISSIMILAR PIPE MATERIALS.

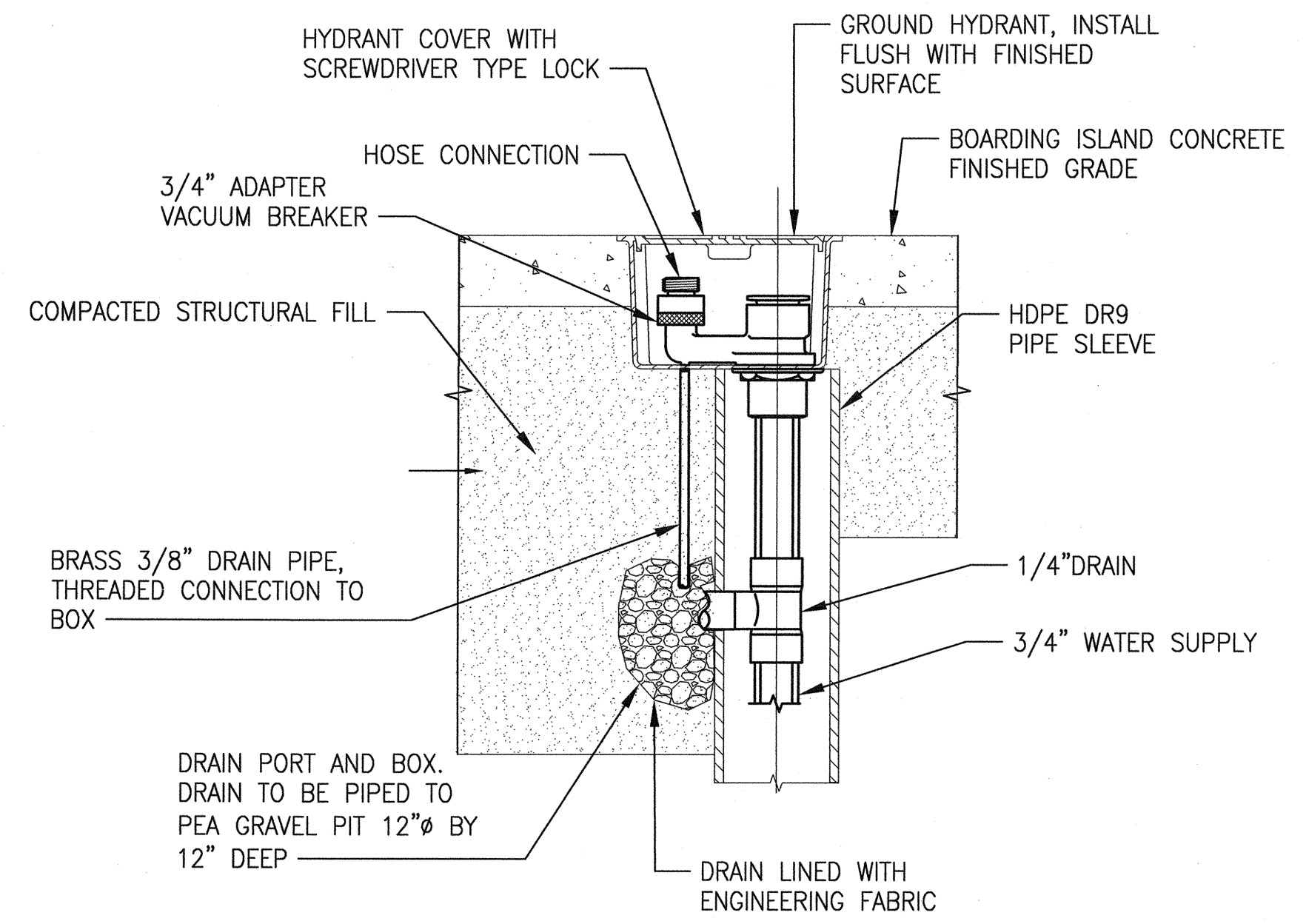
TYPICAL BOARDING ISLAND PIPING SCHEMATIC



DETAIL 1
SCALE: NONE



DETAIL 2
SCALE: NONE



SECTION

DETAIL 3
SCALE: NONE

- NOTES:**
- REFER TO ARCHITECTURAL AND CIVIL DRAWINGS FOR BOARDING ISLAND AND ROADWAY SECTIONS DETAILS.
 - DEPTH OF BURIED/EMBEDDED PIPING TO BE A MINIMUM OF 24" BELOW THE FINISHED GRADE. INSTALL PIPING PER THE SAN FRANCISCO PLUMBING CODE.

BOARDING ISLAND PLUMBING DETAIL 34

| NO. | DATE | DESCRIPTION | BY | APP. |
|---|------|-------------|----|------|
| TABLE OF REVISIONS | | | | |
| THIS DRAWING WAS LAST MODIFIED: 07/24/15 15:16, BY: leeno | | | | |

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SAN FRANCISCO PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO



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DRAWN: DATE: MM 07/2015
CHECKED: DATE: M CHEE 07/2015

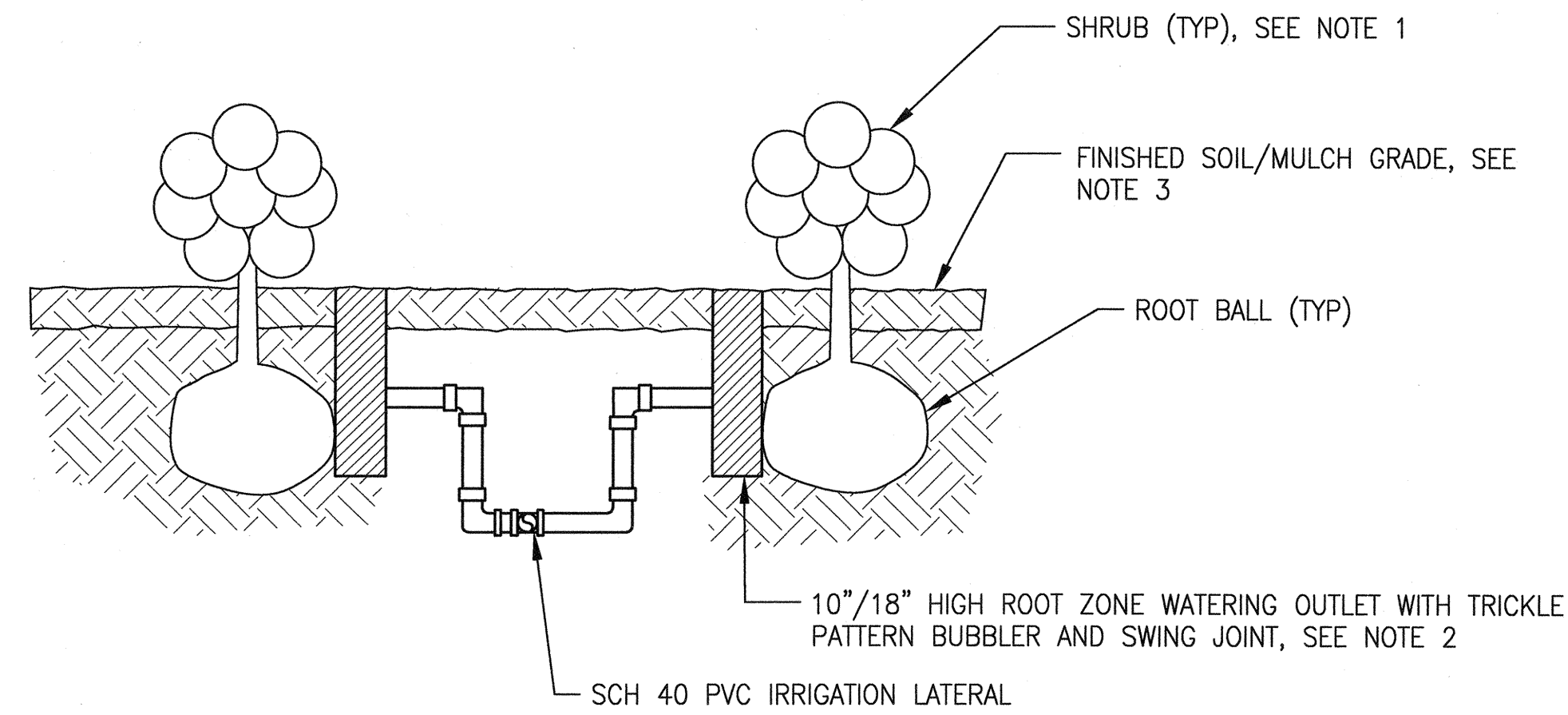
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SECTION MANAGER DATE: *Graps* 7/27/15
DEPUTY DIVISION MANAGER DATE: *Robb* 7/27/15
DIVISION MANAGER DATE:

SCALE: NONE
SHEET OF SHEETS

MUNI BUS RAPID TRANSIT SYSTEM
VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
LANDSCAPE IRRIGATION SYSTEMS
NEW WORK- DETAILS XIV

JOB ORDER NO. 2106J
DRAWING NO. LI-145
FILE NO. 102,663
REV. NO. 0

Xrefs: V:\2106L_VANNESS_BRT_MISSION_LONBARD\2_Design\Working_Drawings\EME\Irrigation-Current\BDOC_TB22x34_EME.dwg
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Plot Time: Fri, 24 Jul 2015 3:16pm



ELEVATION

SHRUB ROOT ZONE WATERING UNIT 35

NOTES:

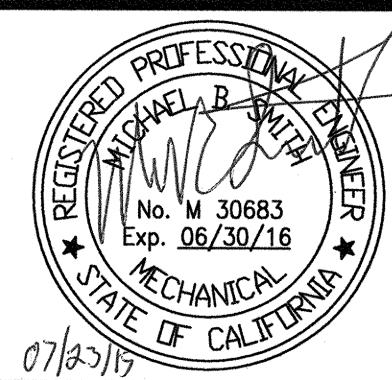
1. REFER TO LANDSCAPE DRAWINGS FOR EXACT LOCATIONS OF SHRUBS TO BE WATERED.
2. INSTALL WATERING OUTLETS IN CONTACT WITH ROOT BALL AS SHOWN UNLESS OTHERWISE DIRECTED BY THE CITY REPRESENTATIVE.
3. TOP OF WATERING OUTLET SHALL BE INSTALLED FLUSH WITH COMPACTED MULCH/SOIL GRADE.
4. THE OUTLETS SHALL BE LOCATED UPHILL FROM THE SHRUB ROOT BALL WHEN THE SHRUB IS LOCATED ON A SLOPED GRADE.
5. FIT ADAPTORS/REDUCERS AND PIPE NIPPLES AS REQUIRED TO MAINTAIN LATERAL LINE AT DEPTH AS SHOWN ON RELATED DWGS AND TO CONNECT INTO OUTLET TRIPLE SWING JOINT.

| NO. | DATE | DESCRIPTION | BY | APP. |
|---|------|-------------|----|------|
| TABLE OF REVISIONS | | | | |
| THIS DRAWING WAS LAST MODIFIED: 07/24/15 15:17, BY: leeno | | | | |

REFERENCE INFORMATION & FILE NO. OF SURVEYS



DESIGN AND ENGINEERING
SAN FRANCISCO PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED: DATE: M SMITH 07/2015
 DRAWN: DATE: MM 07/2015
 CHECKED: DATE: M CHEE 07/2015

APPROVED: JUL 23 2015
 SECTION MANAGER: DATE: 7/27/15
 DEPUTY DIVISION MANAGER: DATE: 7/27/15
 DIVISION MANAGER: DATE:

SCALE: NONE
 SHEET OF SHEETS

MUNI BUS RAPID TRANSIT SYSTEM
 VAN NESS CORRIDOR TRANSIT IMPROVEMENT PROJECT
 NEW WORK- DETAILS XV

JOB ORDER NO. 2106J
 DRAWING NO. LI-146
 FILE NO. 102,664
 REV. NO. 0

Drawing Path: V:\2106J_VANNESS_BRT_MISSION_LOMBARD\2_Design\Working_Drawings\EME\Irrigation-Current\BDC_TB22x34_EME.dwg
 Plot Time: Fri, 24 Jul 2015 3:17pm
 Model Units: Undefined