PARTIAL PLAN "A" "INLET VAULT" ON SHEET 2.

PARTIAL PLAN "B" "PASSIVE IRRIGATION" ON SHEET 3, PLAN "D" ALTERNATIVE SYSTEM ALIGNMENT ON SHEET 6, STORAGE OPTION PLAN "E" ON SHEET 7.

PARTIAL PLAN "C" "DRAIN VAULT" ON SHEET 4.
OPTIONAL PER S-495 STREET INTERCEPT STORM WATER AGGREGATE FILTER AND UPSTREAM CONNECTION VIA INLET VAULT.

PARKWAY SURFACE, SEE NOTE 18, SHEET 9.

WASHED SAND AGGREGATE, SEE NOTES 9 AND 17, SHEET 9.

WASHED GRAVEL AGGREGATE, SEE NOTES 10 AND 17, SHEET 9.

CONVEYANCE CHAMBER, TYP. SEE NOTE 2, SHEET 9.

INLET DISCHARGE FROM PUMP.

45 MIL IMPERMEABLE EPDM LINER & WATER BARRIER TO FINISH GRADE.

IMPERMEABLE EPDM LINER PENETRATION W/ WATER PROOF CONDUIT FLASHING, TYP. SEE DETAIL "E" SHEET 8.

NON-PRESSURIZED 2" Ø CONNECTOR PIPE, TYP. SEE NOTE 5, SHEET 9.

SUPPORT BLOCK UNDER CONNECTOR PIPE, TYP. SEE NOTE 15, SHEET 9.

12" Ø PRECAST CONCRETE VAULT, SEE ALSO STREET INTERCEPT.

CAST IRON LOCKING COVER EMBOSSED WITH "INLET OV" FOR PASSIVE IRRIGATION INLET.

1" PRESSURIZED RECIRCULATION PIPE FROM PUMP, SEE NOTES 5 AND 6, SHEET 9.

POTABLE OR ALTERNATIVE SUPPLEMENTAL WATER SOURCE PIPE, SEE NOTES 5, 11 AND 12, SHEET 9.

PROTECTION LAYER OVER IMPERMEABLE EPDM LINER, UNDER CONC VAULT. SEE NOTE 21, SHEET 9.

(2) 2X4 RECYCLED PLASTIC SUPPORT BOARDS, 18" LONG, 3/4" NOTCH HALFWAY TYP.

GATE VALVE.

SIDEWALK PER S-444.

2" ORGANIC MULCH IN LANDSCAPES PER S-480.

CONVENIENCE STRIP.

UPSTREAM PIPING CONNECTION FROM INTERCEPT AND/OR ADDITIONAL PASSIVE IRRIGATION.

WATER TIGHT RUBBER GASKET ON ALL VAULT PENETRATIONS, TYP. SEE NOTE 21, SHEET 9.

GEO-FABRIC SEPARATES CONVENIENCE STRIP BASE MATERIAL, TYP.
LEGEND

1. PARKWAY SURFACE, SEE NOTE 18, SHEET 9.
2. EXISTING UTILITY, SEE NOTE 7, SHEET 9.
3. TYPE "C" INTEGRAL CURB AND GUTTER PER S-410.
4. WASHED SAND AGGREGATE, SEE NOTES 9 AND 17, SHEET 9.
5. WASHED GRAVEL AGGREGATE, SEE NOTES 10 AND 17, SHEET 9.
6. CONVEYANCE CHAMBER, SEE NOTE 2, SHEET 9.
7. IMPERMEABLE EPDM LINER CHECK DAM W/ UPRIGHT WALLS; SEE NOTE 3, SHEET 9.
8. 2" ORGANIC MULCH IN LANDSCAPES PER S-480.
11. STREET WIDTH PER S-470.
12. LEVEL SUBGRADE, SEE NOTE 8, SHEET 9.
13. 1" PRESSURIZED RECIRCULATION PIPE FROM PUMP, SEE NOTES 5 AND 6, SHEET 9.
14. SUPPLEMENTAL WATER SOURCE PIPE, SEE NOTES 5 AND 12, SHEET 9.
15. IMPERMEABLE EPDM LINER PENETRATION W/ WATER PROOF CONDUIT FLASHING, TYP. SEE DETAIL "E" SHEET 8.
16. 22.5° 2" ELBOW CONNECTOR, TYP.
17. SUPPORT BOARD (SACRIFICIAL 1" WOOD BOARD OR EQUAL) FOR UPRIGHT LINER CHECK DAM.
19. CONVENIENCE STRIP
20. GEO-FABRIC SEPARATES CONVENIENCE STRIP BASE MATERIAL, TYP.

SHEET 3 OF 9 SHEETS
LEGEND

1. PARKWAY SURFACE, SEE NOTE 18, SHEET 9.
2. EXISTING UTILITY, SEE NOTE 7, SHEET 9.
3. OVERFLOW OUTLET TO DOWNSTREAM CONNECTION; ADDITIONAL PASSIVE IRRIGATION, INfiltrATION INJECTION WELL, BYPASS, STORAGE (SEE SHEET 7) OR EXISTING STORMWATER INFRASTRUCTURE (SEE NOTE SHEET 7).
5. CONCRETE FOOTING FOR SOLAR PANEL POLE MOUNT, SET MIN. 24" FROM CURB FACE, SEE DETAIL "A" SHEET 5.
7. PRECAST CONCRETE VAULT, TYP.
8. 45 MIL IMPERMEABLE EPDM LINER & WATER BARRIER TO FINISH GRADE.
10. INFLOW NON-PRESSURIZED 2" Ø CONNECTOR PIPE FROM UPSTREAM PASSIVE IRRIGATION, TYP. SEE NOTES 5 AND 6, SHEET 9.
11. TYPE "C" INTEGRAL CURB AND GUTTER PER S-410.
12. STREET WIDTH PER S-470.
13. FERTIGATION UNIT OR APPROVED EQUAL, SEE DETAIL "D" SHEET 8, SEE NOTE 19, SHEET 9.
14. 1" PRESSURIZED RECIRCULATION PIPE FROM PUMP, SEE NOTES 5 AND 6, SHEET 9.
15. SUPPLEMENTAL WATER SOURCE PIPE, SEE NOTES 5 AND 12, SHEET 9.
16. PROTECTION LAYER OVER IMPERMEABLE EPDM LINER UNDER CONC VAULT, TYP. SEE NOTE 21, SHEET 9.
17. (2) 2X4 RECYCLED PLASTIC SUPPORT BOARDS, 18" LONG, 3/4" NOTCH HALFWAY TYP.
18. WATER SUPPLY GATE VALVE.
19. WATER SUPPLY FLOAT VALVE, SEE NOTES 5 AND 14, SHEET 9.
20. SUBMERSIBLE RECIRCULATION PUMP, SEE NOTES 5 AND 13, SHEET 9.
21. CONCRETE VAULT BOX WITH COVER, SEE DETAIL "F" SHEET 8.
22. WATER SURFACE ELEVATION (WSE) AT INFLOW ACTIVATION.
23. CAST IRON LOCKING COVER EMBOSSED WITH "OUTLET OV" FOR PASSIVE IRRIGATION DRAIN VAULT.
24. WATER METER UPSTREAM OF FLOAT VALVE, SEE NOTE 14, SHEET 8.
25. WATER TIGHT RUBBER GASKET ON ALL VAULT PENETRATIONS, TYP. SEE NOTE 21, SHEET 9.
**DETAIL A**

SOLAR PANEL POLE MOUNT - NOT TO SCALE

- MIN. 24" X 24", 30 WATT SILVER POLY SOLAR PANEL OR APPROVED EQUAL.
- 1.72AMP, 12VDC.

- 3" X 3", 24 HOUR / 7 DAY ELECTRONIC TIME SWITCH OR APPROVED EQUAL.
- 16AMP, 12VDC, WEATHERPROOF.

- 4.75" X 4.25" X 2.75", 16.8WATT CIRCULATING PUMP OR APPROVED EQUAL.
- 1.4AMP, 12VDC, SUBMERSIBLE.

**DETAIL B**

LOW VOLTAGE WIRING DIAGRAM - NOT TO SCALE

- MIN. 24" X 24", 30 WATT SILVER POLY SOLAR PANEL OR APPROVED EQUAL.
- 1.72AMP, 12VDC.
- 3" X 3", 24 HOUR / 7 DAY ELECTRONIC TIME SWITCH OR APPROVED EQUAL.
- 16AMP, 12VDC, WEATHERPROOF.
- 1" PRESSURIZED RECIRCULATION PIPE FROM PUMP.
- MIN. 24" FROM CURB FACE.

**DETAIL C**

MEDIAN - NOT TO SCALE

**LEGEND C**

- PARKWAY / MEDIAN SURFACE, SEE NOTE 18, SHEET 8.
- EXISTING UTILITY, SEE NOTE 7, SHEET 9.
- SUB-GRADE BENCH SEPARATION AT CHECK DAM, TYP. SEE NOTE 3, SHEET 9.
- WASHED SAND AGGREGATE, SEE NOTES 9 AND 17, SHEET 9.
- WASHED GRAVEL AGGREGATE, SEE NOTES 10 AND 17, SHEET 9.
- CONVEYANCE CHAMBER, SEE NOTE 2, SHEET 6.
- IMPERMEABLE EPDM LINER CHECK DAM W/ UPRIGHT WALLS, WIDTH PER PLANS, SEE NOTE 3, SHEET 9.
- 45 MIL IMPERMEABLE EPDM LINER & WATER BARRIER, TYP. SEE NOTE 3, SHEET 9.
- 2" ORGANIC MULCH IN LANDSCAPES PER S-480.
- NON-PRESSURIZED 2" Ø CONNECTOR PIPE, TYP. SEE NOTE 5, SHEET 9.
- TYPE "C" INTEGRAL CURB AND GUTTER PER S-410.
- STREET WIDTHS PER S-470.
- LEVEL SUBGRADE, SEE NOTE 8, SHEET 9.
- 1" PRESSURIZED RECIRCULATION PIPE FROM PUMP, SEE NOTES 5 AND 6, SHEET 9.
- SUPPLEMENTAL WATER SOURCE PIPE; SEE NOTES 5 AND 12, SHEET 9.
- PER SECTION 6.2 OF MOBILITY COMPLETE STREETS MANUAL.
- MIN. 18" WIDE WALKABLE STRIP IF LOCATED IN ARTERIAL STREETS.
- MAX. 1' OPTIMAL INFILTRATION SPACE BETWEEN UPRIGHT LINER WALLS.
- MIN. 10' CLEARANCE FROM DWP PP OR SL UTILITY.
- MIN. 3' CLEARANCE FROM BACK OF CURB.
- 6" Ø NON-PRESSURIZED DISTRIBUTION PIPE UTILIZED WHERE PASSIVE IRRIGATION WIDER THAN 6', TYP. SEE NOTE 5, SHEET 9.
- SUPPORT BLOCK, TYP. SEE NOTE 15, SHEET 9.

**DETAIL D**

SUB-GRADE BENCHES W/ CHECK DAMS - NOT TO SCALE

- PARKWAY / MEDIAN SURFACE, SEE NOTE 18, SHEET 8.
- EXISTING UTILITY, SEE NOTE 7, SHEET 9.
- SUB-GRADE BENCH SEPARATION AT CHECK DAM, TYP. SEE NOTE 3, SHEET 9.
- WASHED SAND AGGREGATE, SEE NOTES 9 AND 17, SHEET 9.
- WASHED GRAVEL AGGREGATE, SEE NOTES 10 AND 17, SHEET 9.
- CONVEYANCE CHAMBER, SEE NOTE 2, SHEET 6.
- IMPERMEABLE EPDM LINER CHECK DAM W/ UPRIGHT WALLS, WIDTH PER PLANS, SEE NOTE 3, SHEET 9.
- 45 MIL IMPERMEABLE EPDM LINER & WATER BARRIER, TYP. SEE NOTE 3, SHEET 9.
- 2" ORGANIC MULCH IN LANDSCAPES PER S-480.
- NON-PRESSURIZED 2" Ø CONNECTOR PIPE, TYP.SEE NOTE 5, SHEET 9.
- TYPE "C" INTEGRAL CURB AND GUTTER PER S-410.
- STREET WIDTHS PER S-470.
- LEVEL SUBGRADE, SEE NOTE 8, SHEET 9.
- 1" PRESSURIZED RECIRCULATION PIPE FROM PUMP, SEE NOTES 5 AND 6, SHEET 9.
- SUPPLEMENTAL WATER SOURCE PIPE; SEE NOTES 5 AND 12, SHEET 9.
- PER SECTION 6.2 OF MOBILITY COMPLETE STREETS MANUAL.
- MIN. 18" WIDE WALKABLE STRIP IF LOCATED IN ARTERIAL STREETS.
- MAX. 1' OPTIMAL INFILTRATION SPACE BETWEEN UPRIGHT LINER WALLS.
- MIN. 10' CLEARANCE FROM DWP PP OR SL UTILITY.
- MIN. 3' CLEARANCE FROM BACK OF CURB.
- 6" Ø NON-PRESSURIZED DISTRIBUTION PIPE UTILIZED WHERE PASSIVE IRRIGATION WIDER THAN 6', TYP. SEE NOTE 5, SHEET 9.
- SUPPORT BLOCK, TYP. SEE NOTE 15, SHEET 9.
NOTE:

OVERFLOW DRAIN CONNECTION PER S-480 GENERAL REQUIREMENT 6B AT EXISTING STORMDRAIN, OR TO S-323, S-325, S-354, S-355; GREEN STREETS STANDARDS S-481, S-482, S-483, S-484, S-487, S-488; INFILTRATION DRY WELL; DOWNSTREAM STORAGE OR APPROVED DOWNSTREAM APPLICATIONS. ADDITIONAL PIPING AND PUMPING CAPACITY SHALL BE DETERMINED BY ENGINEER OF RECORD.
LEGEND E
- STAINLESS STEEL PIPE CLAMP.
- PRE-MOLDED PIPE FLASHING FOR EPDM.
- LVOC ADHESIVE APPROVED UNDER SC AQMD RULE 1168, TYP.
- 45 MIL IMPERMEABLE EPDM LINER, TYP.
- COLLAPSE AIR POCKET WITHIN PRE-MOLDED PIPE FLASHING AND SECURE STAINLESS STEEL CLAMPING RING IN CLOSE PROXIMITY TO POINT OF EPDM LINER PENETRATION.
- 6" BLACK RUBBER POLYMER SEAM TAPE FOR EPDM.
- FLEXIBLE SEATED JOINT THROUGH CURB, TYP.

DETAIL E NOTES
1. CLEAN SURFACES AND REMOVE ALL EXISTING OIL, DEBRIS, ETC. LINER AND PIPE SURFACE MUST BE FREE OF ALL RUST, GREASE, INSULATION, ETC.
2. PIPE MUST BE ANCHORED TO ENSURE STABILITY FOR SEAL.
3. PRE-MOLDED PIPE FLASHING CUT TO MATCH PIPE Ø.
4. PIPE FLASHING FITS 1" (25 mm) - 6" (152 mm).
5. DO NOT USE WHEN SERVICE LINE TEMP. EXCEEDS 180°F.
6. FOLLOW MANUFACTURER’S INSTRUCTIONS FOR LVOC ADHESIVE APPLICATION TO EPDM LINER.

LEGEND F
- FINISH GRADE SURFACE
- CONCRETE VAULT BOX WITH COVER.
- PROPORTIONING CAP WITH FEED ADJUSTMENT KNOB.
- FERTIGATION SHUT-OFF VALVES WITH DISCONNECT WASHERS.
- 1.5 GALLON FERTIGATION UNIT SERVING 10,000 SQUARE FEET OF LANDSCAPE OR LESS, 13" L x 6" D x 11" H, OR APPROVED EQUAL.
- FERTILIZED WATER OUTPUT; CONNECT CLEAR TUBE TO GREEN CONNECTIONS ON PROPORTIONING CAP AND COUPLING.
- WATER INPUT; CONNECT BLACK TUBE TO BLUE CONNECTIONS ON PROPORTIONING CAP AND COUPLING.
- 1/4" TUBING CLAMP, LOCATED ON BOTH BLUE AND GREEN TUBING CONNECTIONS.
- APPROVED BACKFILL WASHED SAND AGGREGATE.
- PVC MAIN LINE TO SUPPLEMENTAL WATER FLOAT VALVE.
- FERTIGATION UNIT CONNECTOR, INSTALL ACCORDING TO WATER FLOW DIRECTION.
- APPROVED WASHED GRAVEL AGGREGATE BASE ROCK.
- PVC MAIN LINE FROM SUPPLEMENTAL WATER BACK FLOW PREVENTER. SEE NOTE 12, SHEET 9.
- PRESSURE RELIEF VALVE.
- GATE VALVE SET TO OPERATIONAL PRESSURE OF MINIMUM 20 PSI.

DETAIL F
FERTIGATION UNIT - NOT TO SCALE

STANDARD PLAN NO. S-496-1 VAULT INDEX NUMBER B-4791 SHEET 8 OF 9 SHEETS
1. ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ADOPTED BY THE BOARD OF PUBLIC WORKS AS MODIFIED BY THE CORRESPONDING ISSUE OF THE CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BROWN BOOK AND PER LOS ANGELES GREEN STREET STD S-480, ONE REVOCABLE PERMIT REQUIRED PER RECIRCULATION SYSTEM WITH SIGN OFF BY ALL IMPACTED PROPERTY OWNERS.

2. CONVEYANCE CHAMBER: SHALL MEET ASTM F2418 AND TO PREVENT CLOGGING SHALL HAVE MINIMUM 10 SQUARE INCHES OFFSET INTERFACE SIDE HOLES PER LINEAR FOOT OF CONVEYANCE OR APPROVED EQUAL. CONNECTOR PIPES SHALL BE A MINIMUM 2" SCH 40 PVC, ABS, HDPE OR APPROVED EQUAL.

3. 45 MIL IMPERMEABLE EPDM LINER, SHALL BE A WATERPROOF BARRIER BETWEEN LANDSCAPE PROFILE AND SUBGRADE, FOLDED WITH VERTICAL WALLS TO FINISH GRADE AT PERIMETER, OR INTERIM 8'-10" VERTICAL WALLS TO ACT AS CAPILLARY IRRIGATION FOR ADJACENT TREES. 8'-10" VERTICAL WALLS ALSO ACT AS SURFACE CHECK-DAM TO RETAIN (OR SLOW) SYSTEM GRAVITY FLOW. STAPLE LINER TO TOP OF SACRIFICIAL BOARDS AND INSTALL SAND AGGREGATE TO SECURE IMPERMEABLE EPDM CHECK DEMP IN UPRIGHT POSITION. CHECK DEMP REQUIRED WHEN SIDEWALK SLOPE EXCEEDS VERTICAL DIFFERENCE OF 1'-2".

4. FLOW RATE: PASSIVE IRRIGATION WIDTH AND LENGTH PER PROJECT DESIGN PLANS. OPTIMAL FLOW 1-2 GPM PER CONVEYANCE CHAMBER ROW / CONNECTION, MAXIMUM DRAINAGE FLOW PER 2" PVC IS 0.053 CFS (20 GPM).

5. PIPING: PIPE PENETRATION DEPTH IN DISTRIBUTION PIPE, CONVEYANCE CHAMBER OR CONCRETE VAULT MINIMUM 2", NON-PRESSURIZED CONNECTOR PIPES SHALL BE SCH 40 PVC, ABS, HDPE OR APPROVED EQUAL. DISTRIBUTION PIPE AND ALL PIPES SHALL BE SCH 80 OR APPROVED EQUAL. ALL PRESSURIZED PIPES AND CONNECTIONS SHALL BE SCH 80 PER SS/PVC. SOLVENT WELD ALL PRESSURIZED PIPING OR SYSTEM BYPASS CONNECTIONS, SEE PROJECT PLANS FOR LAYOUT.

6. WATER CONSERVATION: SEAL ALL PIPE CONNECTIONS THROUGH IMPERMEABLE EPDM LINER; 2"Ø CONNECTOR PIPES TO 6"Ø DISTRIBUTION PIPES; AND VAULT CONNECTIONS WITH RUBBER GASKETS FOR WATER CONSERVATION. SOLVENT WELD ALL CAPS, TEES, AND ELBOW CONNECTIONS. CONNECTION SHALL HAVE A SAND TIGHT SEAL. INSPECTOR SIGN OFF REQUIRED ON ALL CONNECTIONS.

7. EXISTING UTILITIES: SHALL BE ISOLATED FROM PASSIVE IRRIGATION BY IMPERMEABLE EPDM WATER BARRIER.

8. LEVEL SUB-GRADES: PASSIVE IRRIGATION SYSTEM AND STORAGE (IF INSTALLED) SHALL BE INSTALLED ON LEVEL SUB-GRADE, +/- 1/2 TOLERANCE, COMPACTED TO 90% PROCTOR DENSITY. A SLOPED INSTALLATION SHALL INTEGRATE LEVEL BENCHING OF SUB-GRADE TO ACCOMMODATE GRADIENT ELEVATION DIFFERENCE TO MATCH SLOPE OF SIDEWALK. A MAXIMUM BENCH DROP OF 2' VERTICAL BETWEEN BENCH GRADIENTS FOR TURF LANDSCAPE. A MAXIMUM BENCH DROP OF 6' VERTICAL BETWEEN BENCH GRADIENTS FOR NON-TURF LANDSCAPE. MAXIMUM STREET SLOPE 5% PER S-480. INSPECTOR SIGN OFF REQUIRED ON ALL SUB-GRADES.

9. SAND: WASHED SAND AGGREGATE, ASTM C3986-04, AVERAGE PARTICLE SIZE 1MM, TEST RESULTS PROVIDED PRIOR TO INSTALLATION, INCLUDING BUT NOT LIMITED TO PERCOLATION RATE OF 1" < 5 MINUTES TO BE MAINTAINED AND CAPILLARY RISE OF 12" < 24 HOURS. INSPECTION SIGN OFF REQUIRED.

10. GRAVEL: WASHED GRAVEL AGGREGATE, ASTM C137-89, 1'-3' PARTICLE SIZE. #10 SCREEN. TEST RESULTS PROVIDED PRIOR TO INSTALLATION, INCLUDING BUT NOT LIMITED TO PERCOLATION RATE OF 1" < 5 SECONDS TO BE MAINTAINED AND PROPER BRIDGING CHARACTERISTICS W/ APPROVED SAND. INSTALL CONVEYANCE CHAMBERS BEFORE BACKFILLING TO PREVENT GRAVEL UNEVEN. INSPECTOR SIGN OFF REQUIRED.

11. SUPPLEMENTAL WATER PERIODS: ALL SUPPLEMENTAL WATER CONNECTIONS TO VAULT SHALL BE MAINTAINED INACTIVE DURING WET MONTHS AND ACTIVE DURING DRY MONTHS. EVAPOTRANSPIRATION (ET) LOSS CALCULATIONS VARY UPON CLIMATE ZONE, ANNUAL AVERAGES OF 0.10 - 0.15 INCHES / SQ. FOOT / DAY.

12. ALTERNATIVE WATER SOURCES: REFER TO LOS ANGELES DEPARTMENT OF COUNTY HEALTH GUIDELINES FOR ALTERNATIVE WATER SOURCES FOR OUTDOOR AND NON-POTABLE USING INCLUDING BUT NOT LIMITED TO: RAINWATER, GRAYWATER, STORMWATER AND RECYCLED WATER IN NON-PRESSURIZED SUB-SURFACE IRRIGATION APPLICATION. TREATMENT PROCESS, LOCAL AGENCY PERMITS/APPROVALS, MONITORING & REPORTING MAY APPLY PER PROJECT SPECIFICATIONS.

13. PUMP: RECIRCULATION PUMP SHALL BE A LOW VOLTAGE, SUBMERSIBLE MAGNETIC DRIVE PUMP RATED NOT TO EXCEED DEMAND RATE OF 12 GPM (720GPH) / 0.03 CFS PER ACRE OF LANDSCAPE (1.2 GPM PER 3630 SQ FT.). PUMP POWER CONNECTIONS VIA SOLAR ELECTRICITY WITH LOW VOLTAGE 7-DAY ELECTRICAL TIMER OPERATING DUTY CYCLE OF 24 HOURS, 1-2 TIMES PER WEEK DURING DRY SEASON MONTHS.

14. FLOAT VALVE: NORMALLY CLOSED VALVE SHALL OPERATE UPON NSF WATER TO COVER PUMP TO A MINIMUM DEPTH OF 2" AND HAVE BACKFLOW PREVENTION AIR GAP MEETING LOS ANGELES COUNTY DEPARTMENT OF PUBLIC HEALTH REQUIREMENTS. SUPPLEMENTAL WATER CONNECTION TO FLOAT VALVE SHALL BE METEORIZED AND INSTALLED ACCORDING TO PROJECT PLANS WITH MINIMUM DELIVERY PRESSURE OF 20 PSI AND MINIMUM DELIVERY VOLUME OF 12 GPM (720 GPH) / 0.03 CFS PER ACRE OF PASSIVE IRRIGATION LANDSCAPE AREA.

15. SUPPORT BLOCKS: MASONRY BRICKS, CONSTRUCTION DOBIES, OR EQUAL. RECOMMENDED UNDERNEATH CONNECTOR PIPES OF LENGTH GREATER THAN 24", AND TO SUPPORT STABLE PIPE ELEVATIONS TO MAINTAIN GRAVITY DRAIN FUNCTION DOWNSTREAM.

16. STORAGE: MAY CONSIST OF CONCRETE, METAL, PLASTIC, FIBERGLASS AND/OR GRAVEL VOID SPACE OR APPROVED EQUAL. INSTALL STORAGE WITHIN AN IMPERMEABLE EPDM LINER WATER BARRIER, OR APPROVED EQUAL, TO FINISH GRADE OF STORAGE FOR WATER CONSERVATION. FILL AGGREGATE COVER OF WASHED SAND OR GRAVEL AGGREGATE TO DEPTH MEETING MIN. +/- 2' LOAD BEARING REQUIREMENTS SHALL BE PER MANUFACTURER SPECIFICATIONS.

17. BACKFILL LIFTS: INSTALLED IN FOUR (4) PHASES ONCE ALL CONNECTIONS AND WATERPROOFING ARE COMPLETE.

18. ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ADOPTED BY THE BOARD OF PUBLIC WORKS AS MODIFIED BY THE CORRESPONDING ISSUE OF THE CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BROWN BOOK AND PER LOS ANGELES GREEN STREET STD S-480, ONE REVOCABLE PERMIT REQUIRED PER RECIRCULATION SYSTEM WITH SIGN OFF BY ALL IMPACTED PROPERTY OWNERS.

19. FERTIGATION: PRESSURE DRIVEN FERTIGATION UNIT TO BALANCE NUTRIENTS AND MINERALS FOR OPTIMAL VEGETATIVE GROWTH. INSTALL INFLUX OF SUPPLEMENTAL WATER SUPPLY ACCORDING TO MANUFACTURER’S SPECIFICATIONS, SEE DETAIL F, SHEET 8.

20. BYPASS FOR UTILITIES OR OTHER CONFLICTS: SOLVENT WELD AND SLEEVE (2X Ø INTERNAL PIPE) ALL SYSTEM BYPASS CONNECTIONS OUTSIDE EPDM WATER BARRIER TO MAINTAIN IMPERVIOUSNESS. INSTALL CONNECTION PIPE UNDERNEATH TO AVOID OBSTRUCTIONS OR ANY INTERFERENCE WITH HOUSE WALKS, DRIVEWAYS, ALLEYS, OR STREETS. SLEEVE EXTENDS 3 FEET BEYOND EDGES OF PAVING. DOWNSRAME BACKFLOW INVERT ELEVATIONS SHALL CONNECT AT EQUAL OR LESS ELEVATION OF THE UPSTREAM INVERT.

21. VAULT INSTALLATION: CONCRETE VAULT WITH MINIMUM INSIDE DIAMETER 12" INSTALL RECYCLED PLASTIC SUPPORT BOARDS UNDERNEATH IMPERMEABLE EPDM LINER AT VAULT LOCATION(S), PROTECT EPDM LINER UNDER CONCRETE VAULT WITH MINIMUM 18" X 18" PIECE OF ADDITIONAL EPDM OR APPROVED EQUAL, PLACED DIRECTLY BENEATH VAULT INSTALLATIONS, SEAL ALL PIPE PENETRATIONS WITH WATER TIGHT RUBBER GASKET FOR WATER CONSERVATION.