PARTIAL PLAN A

LEGEND

1. MODIFIED TOP OPENING CATCH BASIN, SEE DETAIL "B" SHEET 4, NOTES 3, 8, 11 AND 12, SHEET 6.
2. CATCH BASIN BACKFILLED W/ APPROVED FILTER GRAVEL, SEE NOTE 4, SHEET 6.
3. CONVEYANCE CHAMBER, SEE NOTE 2, SHEET 6.
4. STEEL ANGLE FRAME, SEE DETAIL "B" SHEET 4 & NOTE 6, SHEET 6.
5. CB GRATE COVER, SEE DETAIL "B" SHEET 4 & NOTE 5, SHEET 6.
6. 45 MIL IMPERMEABLE EPDM LINER & WATER BARRIER.
8. EXISTING UTILITY, SEE NOTE 14, SHEET 6.
9. 2" Ø WATER TIGHT RUBBER GASKET, TYP.
10. PRIMARY CONNECTOR PIPE, SEE NOTE 12, SHEET 6.
11. SECONDARY CONNECTOR PIPE, SEE NOTE 12, SHEET 6.
12. TIED BUTT LONGITUDINAL CONSTRUCTION JOINT PER S-430, MODIFIED TO 12" (6+6).
13. STREET WIDTH VARIES PER S-470, SEE TABLE THIS SHEET.
14. SLOPED COLLAR ON CATCH BASIN WITH ½" RECESS DROP FROM EDGE OF PAVEMENT TO TOP OF GRATE.
15. TYPE "C" INTEGRAL CURB AND GUTTER PER S-410
17. JOINT PER S-430, SEE NOTE 9, SHEET 6.
18. WATER TIGHT GASKET THROUGH CURB, TYP. SEE NOTE 12, SHEET 6.
19. 4" Ø END CAP, SOLVENT WELD, TYP.

PARKWAY/MEDIAN SURFACE NOT SHOWN FOR CLARITY.

4" WIDE x 8" DEEP CONCRETE EDGER, TYP.

<table>
<thead>
<tr>
<th>STREET INTERCEPT (SI) MINIMUM SPACING TABLE</th>
<th>MAXIMUM SPACING IS ENTIRE EDGE OF PAVEMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-470 STREET CLASS</td>
<td>MIN. SI SPACING</td>
</tr>
<tr>
<td>BOULEVARD I</td>
<td>50'</td>
</tr>
<tr>
<td>BOULEVARD II</td>
<td>40'</td>
</tr>
<tr>
<td>AVENUE I</td>
<td>35'</td>
</tr>
<tr>
<td>AVENUE II</td>
<td>28'</td>
</tr>
<tr>
<td>AVENUE III</td>
<td>23'</td>
</tr>
<tr>
<td>COLLECTOR STREET</td>
<td>20'</td>
</tr>
<tr>
<td>INDUSTRIAL COL. ST.</td>
<td>24'</td>
</tr>
<tr>
<td>INDUSTRIAL LOC. ST.</td>
<td>22'</td>
</tr>
<tr>
<td>LOCAL STREET - STD</td>
<td>16'</td>
</tr>
<tr>
<td>LOCAL STREET - LIM</td>
<td>15'</td>
</tr>
</tbody>
</table>

STANDARD PLAN NO. S-495-1
VAULT INDEX NUMBER B-4790
SHEET 2 OF 6 SHEETS
LEGEND

1. MODIFIED TOP OPENING CATCH BASIN. SEE DETAIL "B" SHEET 4 & NOTES 3, 8, 11 AND 12, SHEET 6.
2. STAINLESS STEEL MESH SCREEN PACK FILTERS. SEE DETAIL "B" SHEET 4 & NOTE 7, SHEET 6.
3. CONVEYANCE CHAMBER, SEE NOTE 2, SHEET 6.
4. STEEL ANGLE FRAME, SEE DETAIL "B" SHEET 4 & NOTE 6, SHEET 6.
5. SUBGRADE COMPACTED TO 95% PROCTOR DENSITY.
6. 45 ML IMPERMEABLE EPDM LINER & WATER BARRIER.
7. LINER PENETRATION WITH WATER PROOF CONDUIT FLASHING, SEE DETAIL "A" SHEET 4.
8. EXISTING UTILITY, SEE NOTE 14, SHEET 6.
9. 2" Ø WATER TIGHT RUBBER GASKET, TYP.
10. 4" CONNECTOR PIPE, SEE NOTE 12, SHEET 6.
11. TIED BUTT LONGITUDINAL CONSTRUCTION JOINT PER S-430, MODIFIED TO 12" (6+6), TYP.
12. STREET WIDTH VARIES PER S-470.
13. SLOPED COLLAR ON CATCH BASIN WITH 1/2" RECESS DROP FROM EDGE OF PAVEMENT TO TOP OF GRATE.
14. TYPE "C" INTEGRAL CURB AND GUTTER PER S-410, MAX SLOPE 5% PER S-480.
15. APPROVED FILTER GRAVEL, SEE NOTE 4, SHEET 6.
16. CB GRATE COVER. SEE DETAIL "B" SHEET 4 & NOTE 5 SHEET 6.
17. PARKWAY / MEDIAN SURFACE, SEE NOTE 16, SHEET 6.
18. REPAIR AND RECONSTRUCT STREET DAMAGE RESTORATION AREA (SDRA), SEE NOTE 15, SHEET 6.
19. LEVEL BASIN FLOOR, SEE NOTE 11, SHEET 6.
20. JOINT PER S-430, SEE NOTE 9, SHEET 6.
22. 4" Ø END CAP, SOLVENT WELD, TYP.
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.

7. STAINLESS STEEL PIPE CLAMP.

8. PRE-MOLDED PIPE FLASHING FOR EPDM LINER.

9. 6" BLACK RUBBER POLYMER SEAM TAPE FOR EPDM LINER PENETRATION.

10. FLEXIBLE SEALED JOINT THROUGH CURB, TYP.

**DETAIL A 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 A**

1. STAINLESS STEEL PIPE CLAMP.

2. PRE-MOLDED PIPE FLASHING FOR EPDM LINER.

3. LVOC ADHESIVE APPROVED UNDER SCAQMD RULE 1168, TYP.

4. 45 MIL IMPERMEABLE EPDM LINER, TYP.

5. COLLAPSE AIR POCKET WITHIN PRE-MOLDED PIPE FLASHING AND SECURE STAINLESS STEEL CLAMPING RING IN CLOSE PROXIMITY TO POINT OF EPDM LINER PENETRATION.

6. 6" BLACK RUBBER POLYMER SEAM TAPE FOR EPDM LINER PENETRATION.

7. FLEXIBLE SEALED JOINT THROUGH CURB, TYP.

**LEGEND B**

1. CB GRATE COVER, SEE NOTE 5, SHEET 6.

2. RECESSED VANDAL RESISTANT LOCKING MECHANISM, TYP.


4. STAINLESS STEEL COURSE #3 (TOP), SEE NOTE 7, SHEET 6.

5. STAINLESS STEEL FINE #16 MESH (BOTTOM), SEE NOTE 7, SHEET 6.

6. FILTER GRAVEL AGGREGATE DIRECTLY UNDER SS SCREEN PACK, SEE NOTE 4, SHEET 6.

7. OPTIONAL PERMEABLE INTERLOCKING CONCRETE PAVERS (PICP), RUNNING BOND PATTERN, SEE NOTE 5, SHEET 6.

8. CURB PER S-410

9. SLOPED COLLAR ON CATCH BASIN WITH 1/2" RECESS DROP FROM EDGE OF PAVEMENT TO TOP OF GRATE.

10. CB COLLAR OUTER RIM FOLLOWS GRADE OF GUTTER.

11. JOINT PER S-430, SEE NOTE 8, SHEET 6.

12. TIED BUTT LONGITUDINAL CONSTRUCTION JOINT PER S-430, MODIFIED TO 12" (6+6)

**DETAIL A**

NOT TO SCALE

**DETAIL B**

MESH SCREEN PACK - NOT TO SCALE

(SHEET 4 OF 6 SHEETS)

STANDARD PLAN NO. S-495-1

VAULT INDEX NUMBER B-4790
NOTE:

OVERFLOW DRAIN CONNECTION PER S-480 GENERAL REQUIREMENT 5B AT EXISTING STORMDRAIN, OR TO S-323, S-351, 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 SHALL BE DETERMINED BY ENGINEER OF RECORD.
1. **NOTES:**
   - 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 STREET CODE S-480. ONE REVOCABLE PERMIT REQUIRED PER INTERCEPT SYSTEM WITH SIGN OFF BY ALL IMPACTED PROPERTY OWNERS.
   - 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.
   - STREET INTERCEPT GREASE TRAPS FOR PROJECT DESIGN PLANS AND TRIBUTARY AREAS, LOCATED UPSTREAM TO SUPPLEMENT ANY EXISTING OR NEW CATCH BASIN INLET. TOTAL CONVEYANCE BY (6) 2" CONNECTOR PIPES UNDER 1' GRAVITY HEAD PRESSURES 0.318 CF/S. OFFLINE SYSTEM TO FOLLOW CITY OF LOS ANGELES STORMWATER UD REGULATIONS. A GEOTECHNICAL REPORT, AND PROJECT LANDSCAPE ARCHITECT OR ENGINEER SIGNOFF, IS REQUIRED.
   - GRAVEL: WASHED FILTER GRAVEL AGGREGATE, ASTM C33 #89, 1/4" - 3/8" PARTICLE SIZE. TEST RESULTS PROVIDED PRIOR TO INSTALLATION INCLUDING BUT NOT LIMITED TO PERCOLATION RATE OF 1" < 5 SECONDS WHICH SHALL BE MAINTAINED. INSTALL CONVEYANCE CHAMBERS BEFORE BACKFILLING TO PREVENT GRAVEL UNDERNEATH. VIBRA-PLATE COMPACT GRAVEL TO 90% PROCTOR DENSITY. INSPECTOR SIGN OFF REQUIRED.
   - GRADE: THE GUTTER CB FLOOR SHALL HAVE A LONGITUDINAL AND LATERAL LEVEL PLANE OF +/-.1/2" TOLERANCE AND BE GIVEN A STEEL TROWEL FINISH.
   - CONCRETE: SHALL BE THE CLASS SPECIFIED IN SECTION 201 OF THE STANDARD SPECIFICATIONS. SURFACE OF ALL EXPOSED CONCRETE SHALL CONFORM IN SLOPE, GRADE, COLOR, FINISH, AND COLORING TO EXISTING OR PROPOSED PAVING AND FINISHED SURFACES ADJACENT TO THE BASIN.
   - SIDEWALK: SIDEWALK SHALL ACCOMODATE WHOLE PAVERS, RUNNING BOND PATTERN, SEE S-480 SECTION 5-E.
   - CONCRETE OBSERVATION VAULT INSTALLATION: SEAL ALL PIPE CONNECTIONS WITH WATER TIGHT RUBBER GASKETS FOR WATER CONSERVATION. PROTECT IMPERVIOUS BASE MATERIAL SEPARATED BY GEOFABRIC, TYP. INSPECTOR SIGN OFF REQUIRED.
   - CASSETTE FILTER GRAVEL FILTER AGGREGATE, ASTM C33 #89, 1/4" - 3/8" PARTICLE SIZE. TEST RESULTS PROVIDED PRIOR TO INSTALLATION INCLUDING BUT NOT LIMITED TO PERCOLATION RATE OF 1" < 5 SECONDS WHICH SHALL BE MAINTAINED. INSTALL CONVEYANCE CHAMBERS BEFORE BACKFILLING TO PREVENT GRAVEL UNDERNEATH. VIBRA-PLATE COMPACT GRAVEL TO 90% PROCTOR DENSITY. INSPECTOR SIGN OFF REQUIRED.
   - CATCH BASIN FLOOR: SHALL HAVE A LONGITUDINAL AND LATERAL LEVEL PLANE OF +/-.1/2" TOLERANCE AND BE GIVEN A STEEL TROWEL FINISH.
   - PIPING: PRIMARY AND SECONDARY 4" Ø CONNECTOR PIPES SHALL HAVE A GASKET THROUGH CURB WITH WATER TIGHT SEAL AND EMBEDDED IN CONCRETE POUR OF CB AT MINIMUM INVERT DROP OF 1/2" FROM EDGE OF PAVEMENT TO TOP OF CB GRATE. MAXIMUM STREET SLOPE TO INSTALL CB FILTER IS 5% PER S-480 SECTION 4-A. FRAME MOUNTING PARTS AND TECHNIQUES SIMILAR TO S-342 "FRAME AND GRATING FOR CATCH BASINS (BICYCLE SAFE)". CITY ENGINEER APPROVED POROUS SURFACE OR PERMEABLE INTERLOCKING CONCRETE PAVING (PCP) MAY REPLACE CB GRATE IN GUTTER "EDGE OF PAVEMENT" INTERCEPT APPLICATIONS. OMIT FRAME AND ADJUST CB OPENING WIDTH TO ACCOMMODATE WHOLE PAVERS, RUNNING BOND PATTERN, SEE S-480 SECTION 5-E.
   - STEEL ANGLE FRAME ANCHORED TO SLOPED PARKWAY / MEDIAN SURFACES: INSTALL LEVEL AND FLUSH FOLLOWING SLOPE OF SIDEWALK W/ < 1/8" VERTICAL TOLERANCE. IF ON-STREET PARKING IS ALLOWED, INSTALL "1" HIGH, 5/8" WIDE IF PARKING METER IS REQUIRED) CONVENIENCE STRIP PER BUREAU OF STREET SERVICES RESIDENTIAL PARKWAY LANDSCAPING GUIDELINES. ACCEPTABLE PAVING MATERIALS W/ EDGE RESTRAINTS WHERE APPLICABLE INCLUDE: POROUS SURFACES, PERMEABLE INTERLOCKING CONCRETE PAVERS (PCP), CONCRETE, MULCH & VEGETATION PER S-480, S-484 "VSCE" AND/OR S-444 "SIDEWALK". MATERIAL MOUNTAINS PER PROJECT PLANS.
   - STREET DAMAGE RESTORATION AREA (SDRA): REMOVE AND REPLACE APPROPRIATE STREET BASE LAYERS AND SURFACE LAYERS TO MATCH EXISTING AND/OR NEW SURFACES AFTER CONSTRUCTION.
   - INTERCEPT SHALL NOT INTERFERE WITH ANY UTILITY, BUS SHELTER, FIRE HYDRANT, FOUNDATION OR THE PATH OF ANY ALLEY, DRIVEWAY, OR HOUSE WALK.

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SHEET 6 OF 6 SHEETS