



This and all other project documents and all fees, schedules and design recommendations are the property of LPA and cannot be used in whole or in part for any project not intended by the original project. LPA hereby grants permission to the recipient to use the information contained herein for the project only. LPA hereby grants permission to the recipient to use the information contained herein for the project only. LPA hereby grants permission to the recipient to use the information contained herein for the project only. LPA hereby grants permission to the recipient to use the information contained herein for the project only.

© Copyright 2012

West Hollywood AVSRS
1085 Sweetzer Avenue
West Hollywood, CA
Developed for
City of West Hollywood

PUMP STATION SPECIFICATIONS:
STATION COMPONENTS:
 A. JHP PUMP AND MOTOR
 B. LOW LEVEL FLOAT
 C. FLEXIBLE PUMP DISCHARGE PIPE
 D. PRESSURE GAUGE
 E. 15' TWIST TO CLEAN FILTER W/ 105 MICRON DISCHARGE ISOLATION VALVE
 F. MAS CONTROL PUMP CONTROLLED CONCRETE ENCLOSURE (CONSTRUCTED)
 G. HIGH VOLTAGE DISCONNECT ELECTRICAL JUNCTION BOX
 H. QUICK DISCONNECT
 I. CHECK VALVE
 J. LEFT CHAIR
 K. FLOATING INTAKE FILTER

DESCRIPTION OF OPERATION:
 PUMP WILL START VIA PRESSURE DROP SENSED IN WATER MAINLINE AND RETIRE UPON A RISE IN PRESSURE AND AN INCREASE IN FLOW. THEREFORE PRESSURE WILL ALWAYS BE LOW AND ALLOW PUMP TO RUN WHENEVER WATER LEVEL IS ABOVE LOW FLOOD LEVEL.

CONTRACTOR TO LAND MOTOR AND FLOAT WIRE AT RESPECTIVE LOCATIONS ON EXTERIOR OF PUMP STATION ENCLOSURE.

NOTES:
 1. CONCEPT DRAWING NOT TO SCALE.
 2. DO NOT RULER OR MEASURE IN A-CAD SPACE.
 3. DO NOT RULER DRAWING.
 4. ALL WIRE AND CONDUIT FROM REMOTE COMPONENTS TO CONTROL PANEL, NOT SUPPLIED BY WATERWORKS.
 5. INSTALLATION OF PUMP EQUIPMENT SHALL BE BY EXPERIENCED AUTOMATIC PUMP/CONTROLS CONTRACTOR.

CONTECH CONSTRUCTION PRODUCTS INC.
 2025 Centre Pointe Dr., Suite 400, West Chester, OH 45380
 937.936.1122 937.946.7000 937.946.7009 FAX

URBANGREEN
 URBANGREEN RWHP PUMP AND CONTROLS - 477428-040
 WEST HOLLYWOOD AVSRS
 WEST HOLLYWOOD, CA
 SITE DESIGNATION: PUMP SKID IN OUTDOOR ENCLOSURE

LANDSCAPE AREA: DUCTILE IRON OR BLACK PLASTIC CLEANOUT LID
 TRAFFIC AREA: MIFAB C1000 OR WATTS CO-1200-RX HEAVY DUTY STAINLESS STEEL CLEANOUT LID
 PEDESTRIAN CONCRETE AREA: MIFAB C1000 OR WATTS CO-1200-R HEAVY DUTY STAINLESS STEEL LID

PAVED AREAS: CONSTRUCT 6" THICK CONCRETE COLLAR

CONCRETE AREAS: CONSTRUCT 6" THICK CONCRETE COLLAR BELOW DECORATIVE SECTION
 PLANTER AREAS: DELETE CONCRETE COLLAR

6" MIN. 3/4" ROCK SUPPORT BACKFILL AREA

PAVEMENT SECTIONS PER SHEET
 C.A.01 AND GEOTECHNICAL REPORT RECOMMENDATIONS

DETECTABLE WARNING TAPE PER SPECIFICATIONS

LANDSCAPE AREAS MATCH-IN-KIND

APPROVED BACKFILL MATERIAL COMPACTED TO 92% RELATIVE COMPACTION

PIPE ZONE - SAND COMPACTED TO 90% RELATIVE COMPACTION, AS A MINIMUM.

PIPE SIZE PER PLANS

TRENCHING AND BACKFILL SHALL BE PER CURRENT STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREENBOOK") STANDARDS.

FINISH SURFACE / FINISH GRADE
CONCRETE CURB
1/2" RADIUS TYP.
SLOPE 1/4" PER FOOT
COMPACTED SUBGRADE PER GEOTECHNICAL REPORT
(2) #4 BAR CONTINUOUS

PUMP ENCLOSURE SCALE 1/8" = 1'-0"

HEAVY DUTY FLAP GATE, HYDROGATE MODEL 50C WITH ROUND OPENING, OR EQUIVALENT
18"X18" JENSEN PRECAST CONCRETE VARIABLE HEIGHT DROP INLET WITH TRAFFIC RATED CONCRETE INTLL ACCESS COVER, OR EQUIVALENT. REFERENCE LANDSCAPE PLAN FOR MATERIAL AND FINISH.

SECTION A-A **SECTION B-B**

4 inch pipe

Depth (ft)	Bearing Capacity	Block Size (sq ft)				valve, tee, dead end
		90 deg	45 deg	22.5	11.25	
2.5	375	10.31	5.58	2.84	1.43	7.29
3.0	450	8.59	4.65	2.37	1.19	6.07
4.0	600	6.44	3.49	1.78	0.89	4.56
5.0	750	5.15	2.79	1.42	0.71	3.64
6.0	900	4.29	2.32	1.18	0.60	3.04
7.0	1050	3.68	1.99	1.02	0.51	2.60
8.0	1200	3.22	1.74	0.89	0.45	2.28
9.0	1350	2.86	1.55	0.79	0.40	2.02
10.0	1500	2.58	1.39	0.71	0.36	1.82

6 inch pipe

Depth (ft)	Bearing Capacity	Block Size (sq ft)				valve, tee, dead end
		90 deg	45 deg	22.5	11.25	
2.5	375	23.19	12.55	6.40	3.21	16.40
3.0	450	19.33	10.46	5.33	2.68	13.67
4.0	600	14.49	7.84	4.00	2.01	10.25
5.0	750	11.60	6.28	3.20	1.61	8.20
6.0	900	9.66	5.23	2.67	1.34	6.83
7.0	1050	8.28	4.48	2.29	1.15	5.86
8.0	1200	7.25	3.92	2.00	1.00	5.12
9.0	1350	6.44	3.49	1.78	0.89	4.56
10.0	1500	5.80	3.14	1.60	0.80	4.10

THRUST BLOCK CALCULATIONS ARE BASED ON:
 ALLOWABLE PASSIVE PRESSURE OF 150 PSF OF DEPTH, UP TO 1,500 PSF MIN. WORKING PRESSURE (PSI) = 145 FACTOR OF SAFETY OF 1.5

ATRIUM GRATE DRAIN

1. ATRIUM GRATE BLACK NDS
2. PVC RISER
3. PVC TEE/WYE
4. S.D. PIPE AS SHOWN ON PLAN
5. PLUG IF AT END OF RUN

NOTE: THE 12" ADS ADVANEDGE PERFORATED PIPE SHALL SLOPE AT MINIMUM 0.5% IN FRONT OF THE TOE OF EXISTING WALL TO PROVIDE SUFFICIENT DRAINAGE. AS PIPE ELEVATION CHANGES, INCREASE GRAVEL LAYER BENEATH PIPE. EXISTING WALL FOOTING DIMENSIONS ARE BASED ON POT-HOLE INFORMATION AVAILABLE AT THE TIME OF DESIGN. CONTRACTOR TO EVALUATE EXISTING WALL FOOTING AND INCORPORATE ADDITIONAL GRAVEL LAYER AS FEASIBLE. ANY CONFLICTS SHOULD BE COMMUNICATED TO THE ENGINEER PRIOR TO CONSTRUCTION.

NOTE: INCREASE GRAVEL LAYER AS PIPE SLOPES, WHEN FEASIBLE.

12" ADS ADVANEDGE PERFORATED PIPE WITH FILTER FABRIC AT MINIMUM 0.5% SLOPE.
HOPE IMPERMEABLE LINER WITH 30 MIL MINIMUM THICKNESS.
3/4" CRUSHED GRAVEL.
SOIL SEPARATOR MIRAFI 140N OR PER GEOTECHNICAL RECOMMENDATION. WRAP AROUND CRUSHED GRAVEL WITH MINIMUM 6" OVERLAP.
MINIMUM 5 INCH/ HOUR SUSTAINED PERCOLATION RATE, SANDY LOAM SOIL, 24" MINIMUM DEPTH.
2" MINIMUM PERMEABLE PLANTING SOIL PER LANDSCAPE PLANS.
DEEPEDED EDGE PER DETAIL 12 ON SHEET L4.05.
SUBGRADE COMPACTED TO A RELATIVE COMPACTION OF 92% PER GEOTECHNICAL RECOMMENDATIONS.
FINISHED SURFACE PER GRADING PLAN.
EXISTING RETAINING WALL AND FOOTING. PROTECT IN PLACE.
ADS ADVANEDGE SIDE OUTLET CONNECTING TO 6" PIPE WHERE CONNECTOR PIPE IS INDICATED PER UTILITY PLAN.
BLACK PLASTIC ADS ATRIUM DRAIN WHERE INDICATED PER UTILITY PLAN. ATRIUM DRAIN SHALL BE SET TO ALLOW A MINIMUM OF 2" OF PONDING ABOVE FINISHED GRADE.
4" CONNECTOR PIPE TO STORM DRAIN LINE WITH WYE WHERE INDICATED PER UTILITY PLAN.
PROVIDE OPENING THROUGH IMPERMEABLE LINER WHERE CONNECTOR PIPE IS INDICATED PER UTILITY PLAN.
6" CONNECTOR PIPE TO STORM DRAIN LINE WHERE INDICATED PER UTILITY PLAN.

THRUST BLOCK PER DETAIL ON THIS SHEET.
MINIMUM 2" ANNULAR SPACE.
6" MINIMUM TO THE END OF PIPE. SEE RISER CONNECTION DETAIL ON THIS SHEET.
UL LISTED, SINGLE CORROSION RESISTANT SEAMLESS STAINLESS STEEL RISER PIPE UNIT.
10' MAX PER COUNTY OF LOS ANGELES FIRE DEPARTMENT REGULATION 17.

THRUST BLOCKING

TEE OR DEAD END
UNDISTURBED EARTH BEHIND ALL BLOCKING
PLUG TO BE TIED BACK
TEE & PLUG
PLUG TO BE TIED BACK
CROSS & PLUG
KEEP FACE OF PLUG CLEAR (TYP.)
CROSS & PLUGS
90° ELL
45° ELL
22-1/2° ELL

CONTECH URBANGREEN STEEL REINFORCED POLYETHYLENE CISTERN SYSTEM, 84" IN DIAMETER. REFER TO DETAIL 03 ON SHEET C7.02 FOR INSTALLATION DETAILS.

8" STORM DRAIN PIPE PER UTILITY PLAN.
STRUCTURAL PILE CAP PER STRUCTURAL PLAN.
FINISH SURFACE PER GRADING PLAN.

NOTE: INSTALL CISTERN PRIOR TO STRUCTURAL PILES.

NOTE:
 1. 3"x3" CONCRETE SPLASH PADS ARE REQUIRED AT FDC AND PIV
 2. FDC AND PIV SHALL BE PAINTED RED.
 3. GROUND POSTS ARE REQUIRED WHEN FDC AND/OR PIV LOCATED LESS THAN 4' FROM A CURB
 4. THREADED OR BOLTED FLANGED FITTINGS ARE REQUIRED ON FIRE DEPARTMENT CONNECTIONS.
 5. CONCRETE THRUST BLOCKING SHALL NOT COVER UNDERGROUND SWING CHECK VALVE INSPECTION
 6. REFER TO UTILITY PLANS FOR PIPE SIZE AND MATERIAL.
 7. THRUST BLOCK SHALL BE INSTALLED PER DETAIL ON THIS SHEET.
 8. ALL UNDERGROUND FITTINGS TO BE WRAPPED PER NOTE TO CONTRACTOR ON SHEET C5.01.
 9. ALL MATERIALS SHALL BE FMVUL LISTED, AND SHALL BE APPROVED BY LOS ANGELES FIRE DEPARTMENT PRIOR TO INSTALLATION.
 10. FOR PIPE SEE UTILITY PLAN SHEET C5.01.
 11. PROVIDE SIGN PER LA COUNTY FIRE DEPARTMENT REGULATION #7 AND 2011 CALIFORNIA FIRE CODE, SECTION 912.4. SIGN SHALL INDICATE SPRINKLER SYSTEM, PARKING STRUCTURE ADDRESS AND PUMPING PRESSURE.

6" POST INDICATOR W/ KNOX LOCK
6" SWING CHECK OR WATER CHECK VALVE
6" SWING CHECK VALVE
6" DUCTILE IRON PIPE (PER NFPA 24-4-3.1 PER NFPA 24-4-3.1)
6" PIPE PER PLAN
CONCRETE SLAB AS REQUIRED BY A.H.J.
M.H.F.L ADAPTER AS REQUIRED
FLOW

PRIVATE SYSTEM TO BE MAINTAINED BY OWNER OF PROPERTY
LADWP MAINTAINED
WILKINS VALVE SETTER
CONCRETE PAD CLASS 500-C-3250 WITH W.W. MESH REINFORCEMENT
FLOW FROM LADWP MAIN
6" DIP
6" ZURN-WILKINS MODEL 475N OUTDOOR INSTALLATION

NOTE:
 1. ALL UNITS MUST BE ON THE LATEST APPROVED LIST OF BACKFLOW PREVENTION DEVICES FROM THE LOS ANGELES DEPARTMENT OF WATER AND POWER (LADWP).
 2. UPON COMPLETION OF THE INSTALLATION OF THE ASSEMBLY, A TEST SHALL BE PERFORMED BY A CERTIFIED BACKFLOW PREVENTION ASSEMBLY TESTER LICENSED BY THE LOS ANGELES COUNTY DEPARTMENT OF HEALTH SERVICES.
 3. THE BACKFLOW PREVENTION ASSEMBLY SHALL BE INSTALLED ON THE CONSUMER'S PREMISES AT THE SERVICE CONNECTION.
 4. ALL ABOVE GROUND PIPING SHALL BE PRIMED AND PAINTED WITH TWO COATS OF OSHA RED.
 5. SELECTION, INSTALLATION AND MAINTENANCE OF THE DEVICE SHALL FOLLOW THE LOS ANGELES DEPARTMENT OF WATER AND POWER (LADWP) RULE 16-D FOR PROTECTION OF PUBLIC WATER SUPPLY.
 6. COORDINATE TAMPER SWITCH WIRING CONDUIT WITH ELECTRICAL PLANS.

NOTE:
 1 TO FIRE RISER.
 2 6" X 11" FLANGE.
 3 11" FLANGE GASKET.
 4 6" X 11" GROOVED FLANGE.
 5 TOP OF STAINLESS STEEL RISER PIPE UNIT.
 6 TO UNDERGROUND.

LEGEND:
 1. MIRAFI 140N FILTER GEOTEXTILE WRAP - WRAP TO RUN CONTINUOUS ALONG ENTIRE FOOTING.
 2. 3/4" CRUSHED DRAIN ROCK.
 3. 4" PERFORATED SDR-35 PIPE INSTALLED WITH PERFORATION DOWN. MINIMUM GRADE PER PLAN.

NEW OR EXISTING FOOTING PER STRUCTURAL
NEW OR EXISTING WALL REFER TO GRADING PLAN
12" MIN.
1/2" THE WALL THICK



This and all other project documents and all fees, schedules and design requirements shall be the property of LPA. LPA and LPA cannot be held liable for any errors or omissions in any project or design unless specifically stated in the contract or agreement between LPA and Client. LPA hereby grants a non-exclusive license to the Client for the use of the project documents for the project only. LPA shall not be held liable for any errors or omissions in any project or design unless specifically stated in the contract or agreement between LPA and Client. LPA shall not be held liable for any errors or omissions in any project or design unless specifically stated in the contract or agreement between LPA and Client. LPA shall not be held liable for any errors or omissions in any project or design unless specifically stated in the contract or agreement between LPA and Client.

ASSEMBLY
SCALE: 1" = 10'
VOLUME: 20,726 GAL.
LOADING: H20/H25
SYSTEM INV = 246.59'

ITEM NUMBER	ITEM DESCRIPTION	QTY	UNITS	PROVIDED BY
1	Ø84" STEEL REINFORCED POLYETHYLENE BARREL	78'-0"	LF	CONTECH
2	Ø84" 3/4" THICK HOPE BULKHEAD	2	EA	CONTECH
3	Ø30" HOPE RISER	1	EA	CONTECH
4	Ø8" SDR32.5 HOPE STUB	1	EA	CONTECH
5	FERNCO STRONGBACK COUPLER, #1056-88RC	1	EA	CONTECH
6	Ø2" SDR32.5 HOPE STUB	1	EA	CONTECH
7	FERNCO STRONGBACK COUPLER, #1056-22RC	1	EA	CONTECH
8	CALMING INLET	1	EA	CONTECH

NOTES:

- ALL RISER AND STUB DIMENSIONS ARE TO CENTERLINE.
- ALL ELEVATIONS, DIMENSIONS, AND LOCATIONS OF RISERS AND INLETS SHALL BE VERIFIED BY THE ENGINEER OF RECORD PRIOR TO RELEASING FOR FABRICATION.
- ALL FITTINGS AND REINFORCEMENT COMPLY WITH ASTM D3350.
- ALL RISERS AND STUBS ARE HIGH DENSITY POLYETHYLENE UNLESS OTHERWISE NOTED.
- RISERS TO BE FIELD TRIMMED TO GRADE.
- FLOTATION CONTROL IS CRITICAL AND THE RESPONSIBILITY OF THE INSTALLER. THE INFORMATION IS SUBMITTED AS A GUIDELINE ONLY. CONTECH IS NOT RESPONSIBLE FOR THE USE AND INTERPRETATION OF THIS INFORMATION.
- ALL FITTINGS TO HAVE AND BE TESTED FOR WATERTIGHT WELDS.
- SYSTEM MUST BE DRY AFTER BACKFILL FOR ELECTROFUSION JOINT PROCESS. CONTRACTOR TO APPROPRIATELY SEWER TO BELOW INVERT IF HIGH GROUND WATER CONDITIONS REQUIRE.

THE UNDERSIGNED HEREBY APPROVES THE ATTACHED (5) PAGES.

CUSTOMER: _____ DATE: _____

SECTION A-A
SCALE: 0.3

MATERIAL LIST - PROVIDED BY CONTECH

COUNT	DESCRIPTION	INSTALLED BY	WATER QUALITY FLOW RATE
1	FIBERGLASS INLET AND CYLINDER	CONTECH	0.3 CFS
1	4700 micron 2.13 O.D. x 1.87 SEP. SCREEN	CONTECH	2 CFS
1	1/4 INCH PVC HYDRAULIC SHEAR PLATE	CONTECH	
1	SEALANT FOR JOINTS	CONTRACTOR	
1	PLC GRADE RINGS/RISERS	CONTRACTOR	
1	Ø30" x 4' EJ #180044, OR EQUIVALENT	CONTRACTOR	

GENERAL NOTES:

- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
- FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.contechES.com
- CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
- STRUCTURE SHALL MEET AASHTO HS-20 LOAD RATING. ASSUMING EARTH COVER OF 0'-5" AND GROUNDWATER ELEVATION AT OR BELOW THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CONTRISTE SHALL MEET AASHTO M90 AND BE CAST WITH THE CONTECH LOGO.
- IF REQUIRED, PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE. CLEANING SHALL BE PERFORMED BY CONTRACTOR.
- CDS STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C-478 AND AASHTO LOAD FACTOR DESIGN METHOD.

INSTALLATION NOTES:

- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
- CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE FRAME.
- CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLY STRUCTURE.
- CONTRACTOR TO PROVIDE INSTALL AND GROUT INVERTS. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
- CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT. HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

STRUCTURE WEIGHT:
APPROXIMATE HEAVIEST PICK = 6000 LBS
STRUCTURE IS DELIVERED IN 3 PIECES

CONTECH CONTRACT DRAWING

GENERAL NOTES:

- MANIFOLD FASTENERS ARE ATTACHED WITH SPOT WELDS, RIVETS OR HAND WELDS.
- DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
- WELDED CONNECTION TYPE DETERMINED PRIOR TO APPROVAL.
- ELECTROFUSION OR EXTRUSION WELDS TO BE DONE IN THE FIELD. THESE CONNECTIONS RESULT IN WATERTIGHT CONNECTIONS.

WELDED COUPLER DIMENSIONS

DIAMETER	SLEEVE THICKNESS	MATERIAL
30"-48"	0.130"	HDPE
66"-120"	0.230"	HDPE

GAP TOLERANCE FOR JOINTS ARE AS FOLLOWS:
• JOINT DEFLECTION LESS THAN 2%
• 1/4" MIN. 1" MAX GAP FOR LONGITUDINAL SPACE.

A) ELECTROFUSION CONNECTION

B) EXTRUSION WELDED CONNECTION

1 TYPICAL PIPE CONNECTION DETAILS
SCALE: N.T.S.

2 BACKFILL DETAIL
SCALE: N.T.S.

NOTES:

- GEOTEXTILE SHALL BE USED AS REQUIRED TO PREVENT SOIL MIGRATION.
- FOR MULTIPLE BARREL INSTALLATION, THE RECOMMENDED STANDARD SPACING BETWEEN PARALLEL PIPE RUNS SHALL BE = PIPE DIA. CONTACT YOUR CONTECH REPRESENTATIVE FOR NONSTANDARD SPACING.
- BACKFILL REQUIREMENTS SHALL FOLLOW ASTM D2321. IN THE EVENT OF DISCREPANCIES, ASTM D2321 SHALL SUPERCEDE THIS DETAIL.

SECTION A-A

MATERIAL LIST - PROVIDED BY CONTECH

COUNT	DESCRIPTION	INSTALLED BY	WATER QUALITY FLOW RATE
1	JOINT SEALANT (BY PRECASTER)	CONTRACTOR	1.0 CFS
1	PLACE GRADE RINGS/RISERS	CONTRACTOR	4.6 CFS
1	Ø30" x 4' EJ #180044, OR EQUIVALENT	CONTRACTOR	
1	STORMGATE WEIR ASSEMBLY	PRECASTER	
18	STEPS, PICKETS LANE LADDER, OR EQUIVALENT	CONTECH	

GENERAL NOTES:

- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
- FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.contechES.com
- STORMGATE STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
- CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
- STRUCTURE SHALL MEET AASHTO HS-20 ASSUMING EARTH COVER OF 0'-5" AND GROUNDWATER ELEVATION AT OR BELOW THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M90 LOAD RATING AND BE CAST WITH THE CONTECH LOGO.
- STORMGATE STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C-478 AND AASHTO LOAD FACTOR DESIGN METHOD.

INSTALLATION NOTES:

- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
- CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE MANHOLE STRUCTURE LIFTING CLUTCHES PROVIDED.
- CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLY STRUCTURE.
- CONTRACTOR TO PROVIDE INSTALL AND GROUT INLET AND OUTLET PIPES.
- STORMGATE STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C-478 AND AASHTO LOAD FACTOR DESIGN METHOD.

STRUCTURE WEIGHT:
APPROXIMATE HEAVIEST PICK = 4500 LBS.
OF 3 PIECES

CONTECH CONTRACT DRAWING

Revision	Description	Date

Submitted	Description	Date

Job No.	28035-40
Date	29 AUGUST 2013
Drawn by	LL
Checked by	JR
Scale	

LANDSCAPE GRADING AND DRAINAGE

- REFER TO CIVIL ENGINEER'S GRADING PLANS FOR SITE GRADING, DRAINAGE, AND UTILITY LOCATIONS. IF ACTUAL SITE CONDITIONS VARY FROM WHAT IS SHOWN ON THE LANDSCAPE ARCHITECT'S PLANS, THE CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT FOR DIRECTION AS TO HOW TO PROCEED.
- REFER TO CIVIL ENGINEER'S DRAWINGS FOR SUBDRAINAGE POINT OF IN CONNECTION TO STORM DRAIN.
- NOTIFY LANDSCAPE ARCHITECT 48 HOURS IN ADVANCE OF PERFORMING WORK FOR FIELD OBSERVATIONS.
- CONTACT UNDERGROUND SERVICE ALERT (USA 800/422-5133) 48 HOURS PRIOR TO ANY EXCAVATION.
- GRADING OPERATIONS WILL CONFORM TO CHAPTER 20 OF THE UNIFORM BUILDING CODE.
- FIELD VERIFY EXISTING UNDERGROUND UTILITIES. BE IRRESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION AND ELEVATION IN THE FIELD PRIOR TO BEGINNING CONSTRUCTION. PROTECT ALL EXISTING UTILITIES AND BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION.
- NO CHANGE IN CONTRACT PRICE WILL BE ALLOWED FOR ACTUAL OR CLAIMED DISCREPANCY BETWEEN EXISTING GRADE AND THOSE SHOWN ON PLANS AFTER CONTRACTOR HAS ACCEPTED EXISTING GRADES AND MOVED ONTO THE SITE.
- PROPOSED GRADES ARE TO MEET AND BLEND IN WITH EXISTING GRADING AT PROJECT LIMIT AND EXISTING SIDEWALK. PRECISE ELEVATIONS INDICATED ON PLANS TO BE VERIFIED IN FIELD TO AS-BUILT CONDITION.
- THE DEBRIS CREATED BY LANDSCAPE GRADING OPERATIONS IS THE PROPERTY OF THE CONTRACTOR AND WILL BE LEGALLY DISPOSED OF OFF-SITE.
- FINAL LANDSCAPE GRADING TO BE REVIEWED BY THE LANDSCAPE ARCHITECT IN THE FIELD PRIOR TO INSTALLATION OF PLANTING.

GENERAL SITE DEMOLITION NOTES

- PRIOR TO SUBMITTING YOUR DEMOLITION BID, VISIT SITE TO CONFIRM REQUIREMENTS AND EXTENT OF DEMOLITION.
- THESE SITE DEMOLITION PLANS ARE NOT INTENDED TO BE A COMPLETE DOCUMENTATION OF EXISTING UTILITIES AND STRUCTURES. THESE PLANS ALSO ATTEMPT TO DISCLOSE AS MUCH SITE INFORMATION KNOWN AS POSSIBLE DURING THE INITIAL DESIGN PHASE. THESE SITE DEMOLITION PLANS COMBINE INFORMATION FROM PROJECT AS-BUILTS, RECENT FIELD INVESTIGATIONS, AND DISCUSSIONS WITH BUILDING OPERATION PERSONNEL.
- PRIOR TO BEGINNING SITE DEMOLITION OPERATIONS, CONFIRM TYPE, LOCATION, AND DEPTH OF EXISTING UTILITIES AND STRUCTURES.
- INCLUDE IN YOUR DEMOLITION BID, VISIBLE SURFACE AND SUBSURFACE FEATURES IDENTIFIED TO BE EITHER DEMOLISHED, SALVAGED, OR PROTECTED IN PLACE AS NOTED ON PLANS.
- SCHEDULE A SITE DEMOLITION "KICK-OFF" MEETING WITH OWNER, BUILDING OPERATIONS, GENERAL CONTRACTOR, AND LANDSCAPE ARCHITECT PRIOR TO BEGINNING SITE DEMOLITION OPERATIONS. PRECISE LIMITS OF DEMOLITION WILL BE CONFIRMED AT THIS MEETING. PROVIDE RED SPRAY PAINT TO MARK PAVING TO BE DEMOLISHED, RED CAUTION TAPE FOR TREES TO BE REMOVED, AND BLUE MASKING TAPE FOR IDENTIFYING WHERE PAVING IS TO BE SAWCUT.
- OBTAIN REQUIRED PERMITS INCLUDING ENCROACHMENT, DEMOLITION, AND GRADING. DEMOLISH AND DISPOSE MATERIALS AS REQUIRED PER PRIVATE, LOCAL, AND STATE JURISDICTIONS. PAY FEES ASSOCIATED WITH OBTAINING THESE PERMITS.
- BACKFILL TRENCHES RESULTING FROM SITE DEMOLITION OPERATIONS TO REQUIREMENTS SET FORTH IN PROJECT'S GEOTECHNICAL SOIL REPORT, IF AVAILABLE.
- STORE SALVAGED ITEMS AT DESIGNATED LOCATIONS.
- MAINTAIN SAFETY DEVICES AND CONFORM TO LOCAL, STATE AND FEDERAL SAFETY HEALTH STANDARD LAWS AND REGULATIONS.
- PROTECT EXISTING IMPROVEMENTS NOTED ON PLANS AS PROTECT IN PLACE, FACILITIES. REPLACE ITEMS DAMAGED BY CONTRACTOR WITH EQUAL OR BETTER CONDITION AS DETERMINED BY LANDSCAPE ARCHITECT.
- SAFE-OFF UTILITIES AS REQUIRED PRIOR TO STARTING DEMOLITION OPERATIONS. COORDINATE UTILITY SERVICE INTERRUPTIONS WITH BUILDING OPERATIONS. DO NOT INTERRUPT UTILITY SERVICES TO ADJACENT PROPERTY OWNER'S WITHOUT THEIR APPROVAL.
- MATERIALS NOTED ON PLANS TO BE DEMOLISHED ARE CONSIDERED PROPERTY OF CONTRACTOR AND MUST BE DISPOSED OF OFF-SITE AT A LEGAL LOCATION.
- SITE DEMOLITION PLANS MAY OR MAY NOT ACCURATELY REFLECT TYPE OR EXTEND OF ITEMS TO BE ENCOUNTERED AS THEY MAY ACTUALLY EXIST. WHERE FEATURES ARE NOT SHOWN ON SITE DEMOLITION PLANS, IT IS NOT IMPLIED THAT THEY ARE NOT TO BE DEMOLISHED OR REMOVED.
- SITE DEMOLITION NOMENCLATURE:
 - PROTECT IN PLACE = PROJECT ITEM IN PLACE.
 - DEMO = DEMOLISH AND DISPOSE ITEM OFF-SITE.
 - SALVAGE = CAREFULLY REMOVE AND DELIVER ITEM TO OWNER.
- WHEN REMOVING PLANT MATERIAL NOTED AS "DEMO", REMOVE ROOTS LARGER THAN 1-INCH IN DIAMETER.
- DO NOT BURY VEGETATION ON-SITE NOTED TO BE DEMOLISHED.

GENERAL PLANTING NOTES

- LANDSCAPE MAINTENANCE PERIOD – 90 CALENDAR DAYS ONCE SUBSTANTIAL COMPLETION IS CONFIRMED BY LANDSCAPE ARCHITECT AND APPROVED BY OWNER.
- VERIFY LOCATIONS OF EASEMENTS, PROPERTY LINES, ROW, TOP AND BOTTOM OF SLOPES, UTILITIES, STRUCTURES, AND PROJECT LIMITS OF WORK PRIOR TO BEGINNING WORK. IF ACTUAL SITE CONDITIONS VARY FROM THESE PLANS, CONTACT LANDSCAPE ARCHITECT FOR RESOLUTION BEFORE BEGINNING WORK. PRIOR TO TRENCHING CONTACT UNDERGROUND UTILITY SERVICE ALERT OF SOUTHERN CALIFORNIA AT (800)227-2600.
- REFER TO CITY STANDARD PLANS AND SPECIFICATIONS, WHERE APPLICABLE. IF CITY STANDARDS CONFLICT WITH THESE PLANS CONTACT LANDSCAPE ARCHITECT FOR RESOLUTION.
- REFER TO PLANTING PLANS, DETAILS AND SPECIFICATIONS FOR ADDITIONAL PLANTING INFORMATION.
- DO NOT PROCEED WITH PLANTING OPERATIONS WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTIONS AND GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. BRING DISCREPANCIES TO LANDSCAPE ARCHITECT FOR RESOLUTION BEFORE BEGINNING WORK.
- IMPORT SOIL MAY BE USED IN PLANTING AREAS TO RAISE GRADE TO SPECIFIED ELEVATIONS, HOWEVER, IT MAY REQUIRE AMENDING AS NOTED IN PROJECT SPECIFICATIONS OR HORTICULTURAL SOILS REPORT. IF IMPORT SOIL IS PROPOSED TO BE USED ON THIS PROJECT, SUBMIT TO LANDSCAPE ARCHITECT SOIL'S SOURCE LOCATION AND EVIDENCE THAT IMPORT SOIL CONSISTS OF A SANDY LOAM STRUCTURE CONTAINING NO TOXIC CHEMICALS OR ELEMENTS THAT MIGHT INHIBIT OR PREVENT NORMAL PLANT GROWTH.
- PROVIDE GRADE DROPS FROM FINISH SURFACE (PAVING, CURBS, UTILITY COVERS, ETC.) TO FINISH GRADE OF PLANTING AREAS AS FOLLOWS: SHRUB AND GROUNDCOVER AREAS: 1½-INCHES.
- ENSURE THAT ROUGH GRADING HAS BEEN CERTIFIED BY CIVIL ENGINEER AND FINE GRADING TO ¼" OF A FOOT HAS BEEN APPROVED BY LANDSCAPE ARCHITECT PRIOR TO BEGINNING SOIL PREPARATION OPERATIONS.
- HORTICULTURAL SOILS TESTING – AFTER ROUGH GRADING HAS BEEN CERTIFIED, AND PRIOR TO BEGINNING SOIL PREPARATION OPERATIONS, TAKE HORTICULTURAL SOIL SAMPLES AT (3) LOCATIONS AS INDICATED ON PLANTING PLANS. SUBMIT SOIL SAMPLES TO SOIL AND PLANT LABORATORIES AT (714)282-8777. AT EACH LOCATION, TAKE ONE SAMPLE 3-INCHES BELOW FINISH GRADE AND OTHER SAMPLE 12-INCHES BELOW FINISH GRADE. REQUEST THAT SOIL REPORT INCLUDE RECOMMENDATIONS FOR SCARIFICATION, CROSS-RIPPING, GENERAL PLANTING AREA AMENDING, PLANTING BACKFILL, FERTILIZATION, HYDROSEED FERTILIZATION (IF ANY), AND POST-LANDSCAPE MAINTENANCE RECOMMENDATIONS. SUBMIT SOIL REPORT TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO BEGINNING WORK. SOIL REPORT RECOMMENDATIONS WILL BE COMPARED WITH BASE BID RECOMMENDATIONS NOTED IN SPECIFICATIONS. DISCREPANCIES MAY BE REVIEWED BY GENERAL CONTRACTOR AND OWNER TO DETERMINE IF A CREDIT OR CHANGE ORDER IS REQUIRED.
- PROVIDE MATCHING FORMS AND SIZES FOR PLANT MATERIAL WITHIN EACH SPECIES AND SIZE AS DESIGNATED ON PLANS.
- PLANT ACQUISITION – SUBMIT A REPRESENTATIVE PHOTO OF EACH TREE AND SHRUB SPECIE WITH SIZE NOTED TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL BEFORE DELIVERING PLANT MATERIAL TO JOBSITE. IF PLANT MATERIAL IS DELIVERED AND/OR INSTALLED PRIOR TO RECEIVING LANDSCAPE ARCHITECT'S APPROVAL, CONTRACTOR MAY BE HELD RESPONSIBLE TO REMOVE AND REPLACE NON-APPROVED PLANT MATERIAL AT CONTRACTOR'S COST.
- FURNISH PLANT MATERIAL FREE OF PESTS, DISEASE, DAMAGE, AND THOSE FOUND TO BE IN POOR CONDITION.
- NOTIFY LANDSCAPE ARCHITECT WITH SUFFICIENT LEAD TIME TO PERFORM A CONTRACTOR-REQUESTED SITE VISIT.
- DO NOT PLANT TREE ROOTBALLS CLOSER THAN 10-FEET TO GAS, WATER OR STORM LINES OR 2- FEET TO AN ELECTRICAL OR SEWER DRAINLINE. IF CONFLICTS EXIST, CONTACT LANDSCAPE ARCHITECT FOR RESOLUTION.
- DO NOT PLANT TREE ROOTBALLS CLOSER THAN 4- FEET TO A HARDSCAPE EDGE SUCH AS A SIDEWALK OR WALL UNLESS APPROVED BY LANDSCAPE ARCHITECT.
- CONTACT LANDSCAPE ARCHITECT FOR DIRECTION IF A TREE IS NOTED ON PLANS TO BE PLANTED CLOSER THAN 10- FEET TO A STREET LIGHT.
- IF LANDSCAPE ARCHITECT IS UNABLE TO REVIEW CONTRACTOR'S PROPOSED TREE LOCATIONS, ORIENT TREES WITH ITS BEST SIDE FACING PREDOMINATE PUBLIC VIEW.
- FINAL LOCATION OF PLANT MATERIAL IS SUBJECT TO REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO PLANTING. PLANTS THAT HAVE BEEN PLANTED WITHOUT THIS APPROVAL MAY REQUIRE CONTRACTOR TO REMOVE AND/OR RELOCATE (OR EVEN REPLACE, IF NECESSARY) PLANT MATERIAL WITH COSTS FOR REMEDIATION TO BE BORNE BY CONTRACTOR. PERFORM THESE PROCEDURES PRIOR TO ON-SITE LANDSCAPE ARCHITECT REVIEW.
 - GROUNDCOVER – CHALK LIMITS OF GROUNDCOVER AREAS WITH GYPSIUM.
 - SHRUBS – PLACE SHRUBS WHILE STILL IN NURSERY CANS AT PROPOSED LOCATIONS. PLANTING GYPSIUM INSTEAD OF NURSERY CANS MAY BE ALLOWED IF APPROVED IN ADVANCE BY LANDSCAPE ARCHITECT.
 - TREES – PROVIDE A WOOD STAKE AT PROPOSED CENTER OF TREE WITH TREE TYPE AND SIZE CLEARLY NOTED ON ONE SIDE OF WOOD STAKE.
- ALIGN TREES IN ROWS UNLESS NOTED OTHERWISE ON PLANS.
- TRIANGULARLY SPACE SHRUBS AND GROUNDCOVER UNLESS INDICATED OTHERWISE ON PLANS. MAINTAIN HALF ON-CENTER SPACING WHEN ADJACENT PAVING, WALLS, OR OTHER HARDSCAPE EDGE. ALIGN AND EQUALLY SPACE PLANTS IN ALL DIRECTIONS.
- WHENEVER A PARKING STALL ABUTS A SHRUB AREA, PROVIDE A 2-FOOT PLANT-FREE "CLEAR ZONE" FROM FACE OF CURB.
- DIG TREE AND SHRUB PLANT PITS TWICE DIAMETER OF ROOTBALL.
- PROVIDE ROOT CONTROL BARRIERS FOR TREES PLANTED WITHIN 5- FEET OF A HARDSCAPE EDGE SUCH AS PAVING, WALLS, CURBS, STEPS, ETC. INSTALL ROOT BARRIERS PER MANUFACTURERS DIRECTIONS. ENSURE THAT TOP OF ROOT BARRIER IS INSTALLED NO DEEPER THAN 1-INCH BELOW FINISH GRADE.
- ENSURE THAT TOP OF TREE ROOTBALLS ARE PLANTED 2-INCHES AND SHRUBS 1-INCH ABOVE FINISH GRADE. ENSURE THAT TREES DO NOT HAVE NEW SOIL PLACED ON TOP OF ROOTBALL.
- KEEP WOOD MULCH 4-INCHES CLEAR OF TREE TRUNKS AND 2-INCHES CLEAR OF SHRUB TRUNKS.
- ENSURE THAT TREES ARE STAKED IMMEDIATELY AFTER PLANTING. PROVIDE A STAKING MOCK-UP FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO STAKING REMAINDER OF TREES.
- DURING THE 90 DAY LANDSCAPE MAINTENANCE PERIOD, LIGHTLY PRUNE TREES OR SHRUBS WITHOUT ADDITIONAL COST TO OWNER IF DIRECTED BY LANDSCAPE ARCHITECT.
- PROVIDE A 2-INCH LAYER OF WOOD MULCH IN SHRUB AND GROUNDCOVER AREAS – WOOD MULCH TO BE FOREST FLOOR ½ – 1 ½" AS SUPPLIED BY AGUNAGUA FERTILIZER; (949) 786-9558.
- REPLACE OR REPAIR EXISTING IMPROVEMENTS THAT ARE DAMAGED BY CONTRACTOR'S NEGLIGENCE DURING PLANTING OPERATIONS.
- DO NOT PLANT ON TOP OF TREE ROOTBALLS UNLESS DIRECTED BY LANDSCAPE ARCHITECT.
- CONTRACTOR IS RESPONSIBLE FOR COSTS TO REMOVAL EXCESS SOIL CREATED BY PLANT PIT EXCAVATIONS.
- SEPARATE DECOMPOSED GRANITE AND SHRUB AREAS WITH SPECIFIED EDGING – SEE PLANS.
- CONTAINER POTS – PROVIDE MOCK-UP OF ONE COMPLETE CONTAINER POT COMPLETE WITH DRAIN SUMP.

GENERAL CONSTRUCTION NOTES

- VERIFY CONSTRUCTION LAYOUT DIMENSIONS WITH ACTUAL SURVEY POINTS. NOTIFY LANDSCAPE ARCHITECT FOR RESOLUTION IF DISCREPANCIES EXIST.
- UPON BEING AWARDED CONTRACT, ENSURE THAT CONSTRUCTION MATERIALS, SUPPLIES AND MANPOWER WILL BE AVAILABLE WHEN NEEDED TO CONSTRUCT PROJECT IN AN ORDERLY AND TIMELY FASHION.
- PRIOR TO TRENCHING CONTACT UNDERGROUND UTILITY SERVICE ALERT OF SOUTHERN CALIFORNIA AT (800) 227-2600.
- IF DISCREPANCIES EXIST BETWEEN CONSULTANT'S PLANS THAT MAY AFFECT YOUR WORK, BRING THESE DISCREPANCIES TO ATTENTION OF LANDSCAPE ARCHITECT FOR RESOLUTION PRIOR TO BEGINNING CONSTRUCTION.
- KEEP ONE SET OF AGENCY-APPROVED STAMPED PLANS ON SITE IN CASE CITY INSPECTORS REQUIRE PROOF OF CITY-APPROVED PLANS.
- OBTAIN AND PAY FOR REQUIRED PERMITS AND INSPECTION FEES REQUIRED TO INSTALL YOUR PORTION OF WORK.
- VERIFY LOCATIONS OF PROPERTY LINES, EASEMENTS, ROW, UTILITIES, STRUCTURES, AND PROJECT LIMITS OF WORK PRIOR TO BEGINNING WORK. IF ACTUAL SITE CONDITIONS VARY FROM THESE PLANS, CONTACT LANDSCAPE ARCHITECT FOR RESOLUTION PRIOR TO BEGINNING WORK.
- REFER TO CITY STANDARD PLANS AND SPECIFICATIONS, WHERE APPLICABLE. IF CITY STANDARDS VARY FROM THESE PLANS CONTACT LANDSCAPE ARCHITECT FOR RESOLUTION.
- COMPARE RECOMMENDATIONS NOTED IN GEOCON'S GEOTECHNICAL SOILS REPORT DATED AUGUST 26, 2011 THAT MAY EFFECT YOUR WORK SUCH AS SUBBASE PREPARATION, PRE-SATURATION, COMPACTION, REINFORCING, SLAB THICKNESS, SLAB JOINTING AND DOWELING WITH INFORMATION NOTED ON THESE PLANS. IF DISCREPANCIES EXIST, BRING THEM TO ATTENTION OF LANDSCAPE ARCHITECT FOR RESOLUTION.
- VERIFY WITH GENERAL CONTRACTOR, APPROPRIATE AGENCIES AND THEIR PLANS FOR LOCATIONS OF UNDERGROUND UTILITIES, PIPES AND STRUCTURES. EXERCISE EXTREME CARE WHEN EXCAVATING AROUND THESE UTILITIES AND STRUCTURES.
- IF IMPROVEMENTS NOTED ON THESE PLANS CANNOT BE INSTALLED DUE TO EXISTING SITE CONDITIONS, CONTACT LANDSCAPE ARCHITECT FOR RESOLUTION PRIOR TO BEGINNING WORK.
- COORDINATE YOUR WORK WITH OTHER PROJECT CONTRACTOR'S AS REQUIRED TO FACILITATE A SMOOTH AND CONFLICT-FREE PROJECT.
- ENSURE THAT CONDUIT, PIPING, SLEEVES, SET-INS, ETC., ARE INSTALLED AND OPERATIONAL PRIOR TO INSTALLING PAVING OR WALLS.
- WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALING OF PLANS.
- PRIOR TO INSTALLING ABOVE-GRADE DEVICES SUCH AS IRRIGATION VALVE BOXES, GATE VALVES, BASKET STRAINERS, FLOW SENSORS, BACKFLOW ASSEMBLIES, CONTROLLERS, QUICK COUPLERS, JUNCTION/PULL BOXES, GFCI'S, TRANSFORMERS, SIGNS, GAS METERS, UTILITY VAULTS, LIGHT FIXTURES, CLEAN-OUTS, DRAINS, MANHOLES, PVS, FDC'S, AND WATER METERS, PLACE A WOOD STAKE IN PROPOSED LOCATIONS WITH DEVICE CLEARLY LABELED ON STAKE IN BLACK INK. OBTAIN LANDSCAPE ARCHITECT'S OR IRRIGATION DESIGNER'S APPROVAL OF STAKED LOCATIONS PRIOR TO INSTALLING DEVICES.
- DO NOT INSTALL DEVICES SUCH AS CLEAN-OUTS, VALVE BOXES, GATE VALVES, ETC. IN PAVED AREAS WHEN INSTALLING THEM IN AN ADJACENT PLANTER IS POSSIBLE. IF THIS CANNOT BE ACHIEVED, CONTACT LANDSCAPE ARCHITECT FOR RESOLUTION.
- DO NOT WILLFULLY PROCEED WITH CONSTRUCTION OPERATIONS WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTIONS AND GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. BRING THESE CONDITIONS IMMEDIATELY TO ATTENTION OF LANDSCAPE ARCHITECT FOR RESOLUTION.
- ENSURE THAT ROUGH GRADING HAS BEEN CERTIFIED BY CIVIL ENGINEER AND FINE GRADING TO ¼" OF A FOOT HAS BEEN APPROVED BY LANDSCAPE ARCHITECT PRIOR TO BEGINNING SOIL PREPARATION OPERATIONS.
- PLAN MEASUREMENTS ARE TO FACE OF CMU, CURB OR OTHER FIXED SITE IMPROVEMENT, UNLESS OTHERWISE NOTED ON PLANS.
- ENSURE THAT UNDERGROUND ELEMENTS SUCH AS DRAINLINES, IRRIGATION MAINLINES AND LATERALS, ELECTRICAL CONDUIT, SLEEVES, ETC. ARE IN PLACE, OPERATIONAL, AND APPROVED BY PUBLIC INSPECTION PRIOR TO INSTALLATION OF HARDSCAPE WORK.
- OBTAIN SOIL'S ENGINEER PRE-SATURATION APPROVAL AND LANDSCAPE ARCHITECT'S FORMWORK APPROVAL BEFORE PLACING REINFORCEMENT AND CONCRETE.
- PAVING MOCK-UPS ARE REQUIRED FOR THIS PROJECT – REFER TO PAVING MOCK-UP REQUIREMENTS SCHEDULE THIS SHEET.
- INSTALL INTERSECTING ELEMENTS AT 90 DEGREES UNLESS NOTED OTHERWISE ON PLANS.
- ENSURE THAT CURVED WALKS AND WALLS ARE CONSTRUCTED WITH SMOOTH AND CONTINUOUS CURVES AND TRANSITIONS.
- ENSURE THAT CURB-ADJACENT WALKWAY PAVING JOINTS ALIGN WITH ADJACENT CURB JOINTS WHERE POSSIBLE.
- NOTIFY LANDSCAPE ARCHITECT WITH PROPER LEAD-TIME PRIOR TO A CONTRACTOR-REQUESTED SITE VISIT.
- CONCRETE PAVING JOINTS INCLUDE THREE BASIC JOINT TYPES – CONTRACTION, DOWELED CONSTRUCTION, AND ISOLATION – SEE CONSTRUCTION DETAILS. PROVIDE DOWELED CONSTRUCTION JOINTS BETWEEN DIFFERENT PAVING TYPES, CHANGES IN DIRECTION, 50- FEET ON-CENTER FOR WALKWAYS, END OF POUR OPERATIONS OR WHERE SPECIFICALLY INDICATED ON PLANS.
- SUBMIT A "PAVING JOINT AND POUR SEQUENCE PLAN" FOR LANDSCAPE ARCHITECT REVIEW AND APPROVAL PRIOR TO INSTALLING CONCRETE PAVING. THIS PLAN SHOULD CLEARLY INDICATE CONTRACTOR'S PROPOSED CONCRETE POUR SEQUENCE WITH JOINT LOCATIONS TO INCLUDE CONTRACTION, DOWELED CONSTRUCTION, AND ISOLATION JOINTS. ALSO CONFIRM JOINT TYPE WHETHER HAND-TOOLED OR SAWCUT.
- USE PIERI "FACE-OFF" BY WR GRACE, OR EQUAL, TO PREVENT PERMANENT CEMENTACIOUS STAINING ON ADJACENT HARDSCAPE ELEMENTS WHEN PLACING CONCRETE.
- CURB-ADJACENT SIDEWALK DIMENSIONS ARE FROM FACE OF CURB, UNLESS NOTED OTHERWISE ON PLANS.
- WHEN DEMOLISHING CONCRETE PAVING ADJACENT TO EXISTING VERTICAL SURFACES, I.E. BUILDING, WALLS, STEPS, ETC. PERFORM THE FOLLOWING PROCEDURES:
 - REMOVE EXISTING JOINT CAULKING, CONCRETE SLURRY, AND OTHER DELETERIOUS MATERIALS.
 - AFTER INSTALLING NEW PAVING, REPAIR VERTICAL EDGES TO MATCH ADJACENT SECTIONS OF NON-EFFECTED VERTICAL SURFACES.
- REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL CONSTRUCTION INFORMATION.

ABBREVIATIONS

AC	Asphalt Concrete	JB	Junction Box
A/C	Air Conditioner	JT	Joint
AD	Area Drain	LB	Lead
ADA	American with Disabilities Act	LF	Linear Feet
AGG	Aggregate	LP	Low Point
ALIGN	Approximate	LOW LP	Low Point
ARCH	Architect(ural)	MAX	Maximum
APPROX	Approximate	MECH	Mechanical
ARX	Architect(ural)	MED	Medium
BC	Bottom of Curb	MET	Metal
BCR	Beginning Curve Radius	MFG	Manufacturer
BD	Board	NO	None
BF	Bottom of Fence	NH	Manhole
BL	Base Line	MIN	Minimum
BLDG	Building	MISC	Miscellaneous
BM	Benchmark	MOM	Metalized Ornamental Metal
B/C	Book of Curb	N	North
BOP	Bottom of Pipe	NIC	Not In Contract
BOR	Bottom of Ramp	NO	Number
BOS	Bottom of Slope	NOM	Noted
BOI	Bottom of Step	NTS	Not To Scale
BVC	Beginning of Vertical Curve	OC	On Center
BW	Bottom of Wall	OCEW	On Center each Way
CAB	Crushed Aggregate Base	OD	Outside Diameter
CB	Catch Basin	OE	Or Equal
CBS	Cubic Feet per Second	OPG	Opening
CIP	Cast-in-Place	OPP	Opposite
CJ	Contraction Joint	PA	Planting Area
CL	Centerline	PI	Point of Intersection
CLR	Clearance	PIP	Protect in Place
CMB	Crushed Miscellaneous Base	POC	Point of Connection
CMP	Corrugated Metal Pipe	PVC	Point of Vertical Curve
CMU	Concrete Masonry Unit	PREP	Preparation
CO	Cleanout	P/S	Pounds per Square Inch
CONC	Concrete	PT	Point of Tangency
CONT	Continuous	PVC	Poly Vinyl Chloride
		PW	Point of Vertical Intersection
DBL	Double	PVM	Pavement
DCJ	Doweled Construction Joint	R	Radius
DET	Detail	RCP	Reinforced Concrete Pipe
DF	Douglas Fir	RD	Roof Drain
DI	Drain Inlet	RE	Rim Elevation
DIA	Diameter	RECPT	Receptacle
DIAG	Diagonal	REF	Reference
DM	Dimension	REINF	Reinforced
DWG	Drawing	REQ	Required
E	East	REV	Revision
(E)	Existing	RL	Ridge Line
EA	End Curve Radius	RO	Rough Opening
EOR	End of Right of Way	ROW	Right of Way
EFS	Exterior Finish System	R/W	Right of Way
EL	Elevation	RP	Radius Point
ELEC	Electrical	S	Sewer
ENCL	Enclosure	SCH	Schedule
EQ	Equal	SCO	Sewer Clean Out
EQUIP	Equipment	SF	Square Feet
EVC	End Vertical Curve	SHT	Sheet
EW	Each Way	SIM	Similar
EWMM	Electrically Welded Wire Mesh	SPEC	Specification
EX	Existing	SQ	Square
		STA	Station
FD	Floor Drain	STD	Standard
FDN	Foundation	STL	Steel
FF	Finish Floor	STRUC	Structural
FFE	Finish Floor Elevation	SS	Stainless Steel
FG	Finish Grade	TC	Top of Curb
FH	Fire Hydrant	THK	Thick
FL	Flow Line	THB	Top of Beam
FOB	Face of Building	TOC	Top of Cap
FOC	Face of Curb	TOS	Top of Slope
FOF	Face of Finish	TBD	To Be Determined
FOS	Face of Step	TD	Top of Drain
FOW	Face of Wall	TF	Top of Fence
FTC	Finish Surface	TOR	Top of Ramp
FTG	Footing	TS	Top of Step
G	Gas	TYP	Typical
GA	Gauge	TW	Top of Wall
GALV	Galvanized	UNO	Unless Noted Otherwise
GB	Grade Break	VERT	Vertical
GC	General Contractor	W	West
GFCI	Ground Fault Circuit Interrupter	W/	With
GO	Grid Origin	W/O	Without
GR	Grade	WC	Water Closet
H	Gate Valve	WIP	Wrought Iron
HB	Hose Bibb	WP	Waterproof
HC	Header	WS	Water Surface
HDR	Header		
HORIZ	Horizontal		
HP	High Point		
HT	Height		
ID	Inside Diameter		
IN	Installation		
INV	Inch		

SITE SYMBOLS LEGEND

SYM.	DESC.	SYM.	DESC.	DET.
FOC	FACE OF CURB	---	SAWCUT JOINT	03/ L4.01
B/C	BACK OF CURB	-----	CONSTRUCTION JOINT	03/ L4.01
PA	PLANTING AREA	---	LIMIT OF WORK	
↙↘	ALIGN	→	DOWN SLOPE DIRECTION OF RAMP	
⊕	FIRE HYDRANT	[PB]	ELECTRICAL PULL BOX	

NOTE: LOCATIONS SHOWN ARE FOR REFERENCE ONLY. SEE CIVIL DWGS. FOR DETAILS AND EXACT LOCATIONS. FINAL LOCATIONS TO BE REVIEWED BY LANDSCAPE ARCHITECT.

LIGHTING LEGEND

SYM.	DESCRIPTION	COMMENTS	DET. REF./REMARKS
⊙	LIGHT COLUMN	SEE ELEC. PLANS FOR MODEL # AND COLOR	--/--
○	IN GROUND LIGHT	SEE ELEC. PLANS FOR MODEL # AND COLOR	--/--
---	LED STRIP LIGHT	SEE ELEC. PLANS FOR MODEL # AND COLOR	--/--

NOTE: SEE ELECTRICAL ENGINEERING PLANS FOR FIXTURES, LAMPS, AND SPECS.

SHEET INDEX

L0.1 LANDSCAPE NOTES AND SCHEDULES	
L1.01 MATERIALS PLAN	
L2.01 LAYOUT PLAN	
L2.02 LAYOUT AND MATERIALS PLAN ENLARGEMENTS	
L3.01 SITE SECTIONS/ELEVATIONS	
L3.02 SITE SECTIONS/ELEVATIONS	
L3.03 SITE SECTIONS/ELEVATIONS	
L4.01 CONSTRUCTION DETAILS	
L4.02 CONSTRUCTION DETAILS	
L4.03 CONSTRUCTION DETAILS	
L4.04 CONSTRUCTION DETAILS	
L4.05 CONSTRUCTION DETAILS	
L5.01 IRRIGATION PLAN	
L5.02 IRRIGATION LEGEND AND NOTES	
L5.03 IRRIGATION DETAILS	
L6.01 PLANTING PLAN	
L6.02 PLANTING DETAILS	
W0.01 WATER FEATURE GENERAL NOTES AND SHEET INDEX	
W1.01 OVERALL PARKING STRUCTURE PLAN	
W2.01 WATER WALL FOUNTAIN PLAN	
W2.02 WATER WALL FOUNTAIN EQUIPMENT SPACE PLAN	
W3.01 WATER WALL FOUNTAIN EQUIPMENT DETAILS	
W4.01 FOUNTAIN DETAILS	
W4.02 FOUNTAIN DETAILS	

PROJECT DIRECTORY

OWNER	ARCHITECT
CITY OF WEST HOLLYWOOD 8300 SANTA MONICA BLVD. WEST HOLLYWOOD, CA 90069 TEL: 323.849.6374 FAX: 323.849.6374	LPA, INC. 5161 CALIFORNIA AVE, #100 IRVINE, CA 92617 TEL: 949.261.1001 FAX: 949.260.1190 LARRY CHIU
OSCAR DELGADO	LANDSCAPE ARCHITECT
TKIS 17911 VON KARMAN AVE #250 IRVINE, CA 92614 TEL: 949.751.5800 FAX: 949.751.5811 JEFF MIXER	LPA, INC. 5161 CALIFORNIA AVE, #100 IRVINE, CA 92612 TEL: 949.261.1001 FAX: 949.260.1190 KATHEREEN SHINKAI
MYERS HOUGHTON & PARTNERS, INC. 4500 E. PACIFIC COAST HWY. #100 LONG BEACH, CA 90804 TEL: 562.985.3200 FAX: 562.985.1011 KENNETH O'DELL	LPA, INC. 5161 CALIFORNIA AVE, #100 IRVINE, CA 92612 TEL: 949.261.1001 FAX: 949.260.1190 KATHEREEN SHINKAI

MOCK-UP REQUIREMENTS

- PAVING – PROVIDE (1) 4' x 4' SQUARE MOCK-UP COMPLETE WITH COLOR, FINISH, AND ALL JOINTING TYPES PER DETAIL #03, SHEET L4.01 FOR EACH PAVING TYPE INDICATED IN THE CONSTRUCTION KEYNOTES.
- WALLS – PROVIDE (1) 18" TALL X 4' LONG MOCK-UP COMPLETE WITH COLOR, FINISH, AND ALL JOINTING TYPES PER DETAIL #23, SHEET L4.01 FOR EACH WALL TYPE INDICATED IN THE CONSTRUCTION KEYNOTES.
- PROTECT MOCK-UPS DURING CONSTRUCTION.
- REMOVE MOCK-UPS AT COMPLETION OF CONSTRUCTION WHEN DIRECTED BY LANDSCAPE ARCHITECT.

MANUFACTURER'S LIST

- DEEP ROOT. 81 LANGTON STREET SUITE 4. SAN FRANCISCO, CA 94010 (800) 458-7668. CONTACT: PETE WOSKES
- MIRAFI. 22672 LAMBERT STREET SUITE 602. LAKE FOREST, CA 92630 (800) 423-9923. CONTACT: JIM OR JOSH
- FORMS AND SURFACES. 6395 CINDY LANE. CARPINTERIA, CA 93013 (800) 451-0410. CONTACT: SUSAN LINDER
- OLD TOWN FIBERGLASS. 456 S. MONTGOMERY WAY. ORANGE, CA 92668 (714) 633-3732
- BELSON OUTDOORS. 111 NORTH RIVER ROAD, NORTH AURORA, IL 60542 (800) 323-5664
- INTERSTATE POLE INDUSTRIES. 525 MAPLE AVENUE, CARPINTERIA, CA 93013 (805) 684-9551

GENERAL ACCESSIBILITY NOTES

- MAX CROSS SLOPE ALLOWED ON NEW PAVING – 2%.
- MAX SLOPE ALLOWED IN DIRECTION OF TRAVEL FOR NEW PAVING – 4.5%.
- MAX. SLOPE ALLOWED ON NEW RAMPS – 8.33%.
- MIN. SLOPE ALLOWED ON NEW RAMPS – 6.67%.

KEYNOTES

KEY NOTE	DESCRIPTION	DET/SH#	COLOR / FINISH
1	CONCRETE PAVING – TYPE 1	1/ L4.01	COLOR: INTEGRAL DAVIS "PEBBLE" #41 FINISH: TOP CAST #03 (LIGHT ETCH)
2	CONCRETE PAVING – TYPE 2	1/ L4.01	COLOR: NATURAL GRAY FINISH: MEDIUM BROOM
3	STABILIZED DECOMPOSED GRANITE	10/ L4.01	COLOR: AVAILABLE THROUGH DECORATIVE STONE SOLUTIONS OR APPROVED EQUAL.
4	CONCRETE STEPS	1/ L4.02	COLOR AND FINISH TO MATCH ADJACENT CONCRETE PAVING.
5	ELEVATED CONCRETE LANDING	1/ L4.02	---
6	CUSTOM CONCRETE AND WOOD BENCH	08/ L4.01	COLOR: INTEGRAL, DAVIS "PEBBLE" #41 FINISH: LIGHT ETCH TO MATCH PAVING WOOD COLOR/FINISH: PER DETAIL
7	ALUMINUM EDGING	05/ L4.01	COLOR: BLACK FINISH: ANODIZED ALUMINUM
8	STAINED CONCRETE BAND		COLOR: TBD
9	HANDRAIL AT STEPS	02/ L4.02	STAINLESS STEEL WITH #4 SATIN FINISH
10	HANDRAIL AT RAMP	04/ L4.01	PAINTED TUBE STEEL. COLOR: TBD
11	CONCRETE RETAINING WALL	13/ L4.02	COLOR: INTEGRAL DAVIS "PEBBLE" #41 FINISH: TOP CAST #03 (LIGHT ETCH)
12	WOOD FENCE PANEL (FIXED)	20/ L4.03	COLOR: NATURAL FINISH: TOP CAST #03 (LIGHT ETCH) PAINTED WOOD PANELS. SEE DETAIL FOR COLORS.
13	PEDESTRI		

SITE SYMBOLS LEGEND

SYM.	DESC.	SYM.	DESC.	DET.
FOC	FACE OF CURB	---	SAWCUT JOINT	03/ L4.01
BOC	BACK OF CURB	----	CONSTRUCTION JOINT	03/ L4.01
PA	PLANTING AREA	---	LIMIT OF WORK	
↘	ALIGN	→	DOWN SLOPE DIRECTION OF RAMP	
⦿	FIRE HYDRANT	[PB]	ELECTRICAL PULL BOX	

NOTE: UTILITIES SHOWN ARE FOR REFERENCE ONLY. SEE CIVIL DWGS. FOR DETAILS AND EXACT LOCATIONS. FINAL LOCATIONS TO BE REVIEWED BY LANDSCAPE ARCHITECT.

LIGHTING LEGEND

SYM.	DESCRIPTION	COMMENTS	DET. REF./REMARKS
⊕	LIGHT COLUMN	SEE ELEC. PLANS FOR MODEL # AND COLOR.	-/-
○	IN GROUND LIGHT	SEE ELEC. PLANS FOR MODEL # AND COLOR.	-/-
---	LED STRIP LIGHT	SEE ELEC. PLANS FOR MODEL # AND COLOR.	-/-

NOTE: SEE ELECTRICAL ENGINEERING PLANS FOR FIXTURES, LAMPS, AND SPECS.

KEYNOTES

KEY NOTE	DESCRIPTION	DET/SH#	COLOR / FINISH
1	CONCRETE PAVING - TYPE 1	17/ L4.01	COLOR: INTEGRAL DAVIS "PEBBLE" 641 FINISH: TOP CAST #03 (LIGHT ETCH)
2	CONCRETE PAVING - TYPE 2	1/ L4.01	COLOR: NATURAL GRAY FINISH: MEDIUM BROOM
3	STABILIZED DECOMPOSED GRANITE	10/ L4.01	KETTLE D.G. AVAILABLE THROUGH DECORATIVE STONE SOLUTIONS OR APPROVED EQUAL.
4	CONCRETE STEPS	1/ L4.02	COLOR AND FINISH TO MATCH ADJACENT CONCRETE PAVING.
5	ELEVATED CONCRETE LANDING	17/ L4.02	
6	CUSTOM CONCRETE AND WOOD BENCH	08/ L4.01	COLOR: INTEGRAL DAVIS "PEBBLE" 641 FINISH: LIGHT ETCH TO MATCH PAVING WOOD COLOR/FINISH: PER DETAIL
7	ALUMINUM EDGING	05/ L4.01	COLOR: BLACK FINISH: ANODIZED ALUMINUM
8	STAINED CONCRETE BAND		COLOR: TBD
9	HANDRAIL AT STEPS	02/ L4.02	STAINLESS STEEL WITH #4 SATIN FINISH
10	HANDRAIL AT RAMP	04/ L4.01	PAINTED TUBE STEEL COLOR: TBD
11	CONCRETE RETAINING WALL	13/ L4.01	COLOR: INTEGRAL DAVIS "PEBBLE" 641 FINISH: TOP CAST #03 (LIGHT ETCH) PAINTED TUBE STEEL FRAME WITH COMPOSITE WOOD PANELS. SEE DETAIL FOR COLORS.
12	WOOD FENCE PANEL (FIXED)	20/ L4.03	PAINTED TUBE STEEL FRAME WITH COMPOSITE WOOD PANELS. SEE DETAIL FOR COLORS.
13	PEDESTRIAN WOOD PANEL GATE	02/ L3.01	PAINTED TUBE STEEL FRAME WITH COMPOSITE WOOD PANELS. SEE DETAIL FOR COLORS.
14	DOUBLE WOOD PANEL SWINGING GATES	05/ L3.01	PAINTED TUBE STEEL FRAME WITH COMPOSITE WOOD PANELS. SEE DETAIL FOR COLORS.
15	6' LONG WOOD/METAL BENCH		SEE SITE FURNISHINGS LEGEND
16	METAL TRASH RECEPTACLE		SEE SITE FURNISHINGS LEGEND
17	BIKE RACK		SEE SITE FURNISHINGS LEGEND
18	STACKING BIKE LOCKER		SEE SITE FURNISHINGS LEGEND
19	LANDSCAPE PLANTER POT		SEE SITE FURNISHINGS LEGEND
20	FLAG POLE		SEE SITE FURNISHINGS LEGEND
21	LIGHT COLUMN		SEE SITE LIGHTING LEGEND
22	IN GROUND UP LIGHT		SEE SITE LIGHTING LEGEND
23	LED LIGHT STRIP		SEE SITE LIGHTING LEGEND
24	PRE-CAST CONCRETE TRUNCATED DOME PAVERS	21/ L4.01	COLOR: BLACK AVAILABLE THROUGH ACKERSTONE OR APPROVED EQUAL.
25	PRE-CAST CONCRETE BOLLARD AVAILABLE THROUGH QUICKCRETE OR APPROVED EQUAL.	19/ L4.02	COLOR: NATURAL FINISH: LIGHT SANDBLAST SEALER: STANDARD GLOSS
26	TRENCH DRAIN	11/ L4.01	BALCO INC. MODEL #PDG-20S WITH CLEAR ANODIZED ALUMINUM FINISH
27	GUARDRAIL AT LOADING DOCK	17/ L4.02	STAINLESS STEEL WITH #4 SATIN FINISH
28	FREESTANDING CMU BLOCK WALL	20/ L4.01	COLOR: GRAY WITH MATCH GROUT FINISH: PRECISION CUT COLOR: BLACK
29	BEACH PEBBLES		6" LAYER OF SIZE: 3"-3"
30	FREESTANDING GREEN SCREEN	22/ L4.04	COLOR: SMOOTH TEXTURE SILVER FINISH: POWDERCOATED
31	PAINTED CONCRETE INFILL WALL	01/ L4.05	COLOR: MATCH EXISTING FINISH: MATCH EXISTING
32	CMU BLOCK RETAINING WALL	02/ L4.05	COLOR: GRAY WITH MATCH GROUT FINISH: PRECISION CUT
33	RELOCATED DOOR OPERATOR BASE		COLOR AND FINISH TO MATCH ADJACENT PAVING.
34	EXISTING WALL		REMOVE W/VE RESIDUALS AND REPAINT COLOR AND TEXTURE TO MATCH EXISTING.
35	WALL MOUNTED GREEN SCREEN	04/ L4.05	COLOR: SMOOTH TEXTURE SILVER FINISH: POWDERCOATED
36	INDICATES (1 OF 3) AGRONOMIC SOILS TESTING LOCATIONS		SEE GENERAL PLANTING NOTE #9 ON SHEET L0.01.

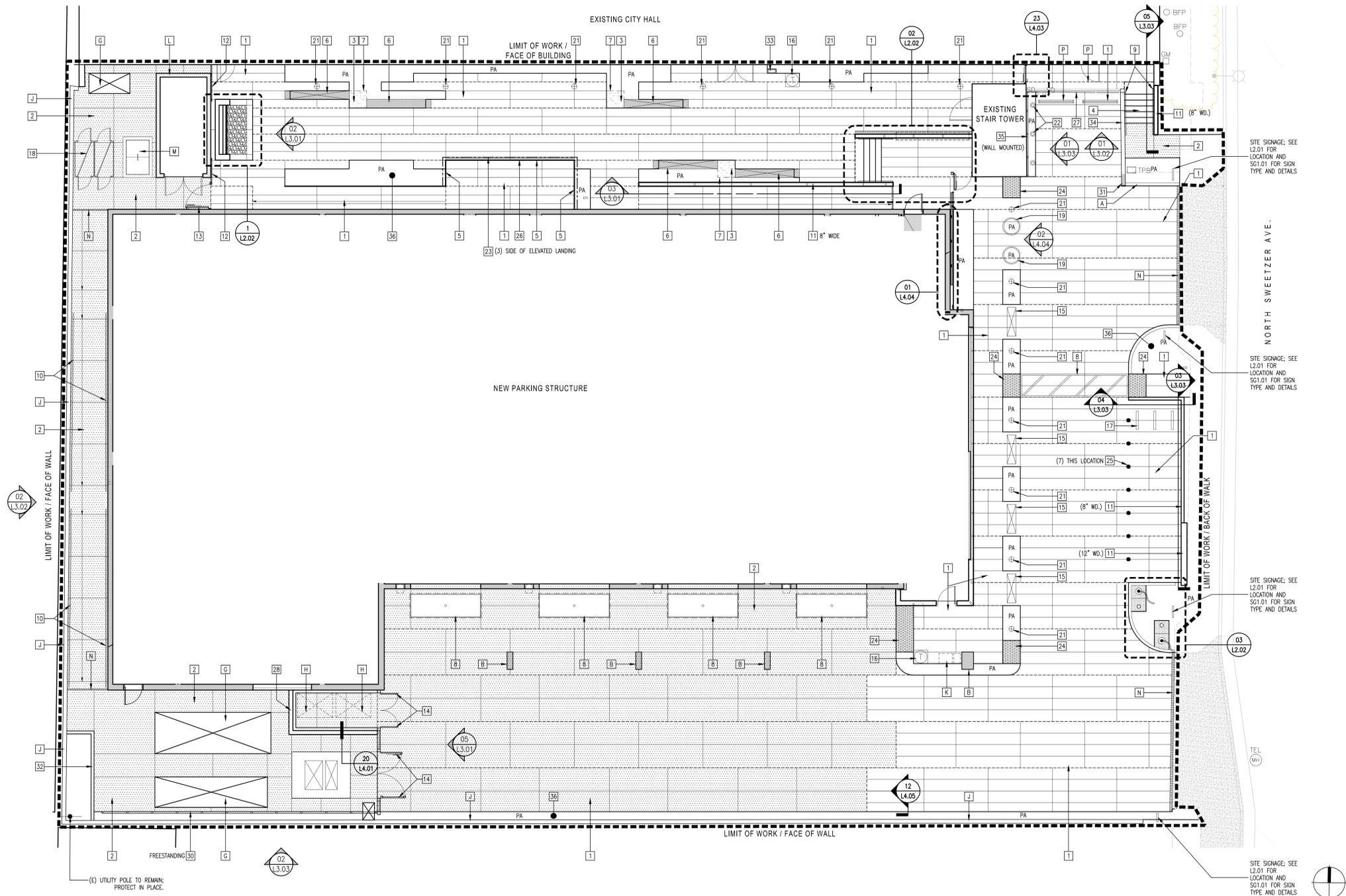
REFERENCE KEYNOTES

KEY NOTE	DESCRIPTION	DET	COLOR / FINISH
A	CONCRETE CURB	PER CIVIL	NATURAL GREY COLOR/ SMOOTH TROWEL
B	BUILDING COLUMN	PER ARCH	
C	STRIPING	PER CIVIL	
D	SIGNAGE	PER ARCH	
E	MONUMENT SIGN	PER ARCH	
F	CONCRETE FOUNTAIN	PER FOUNTAIN PLANS	
G	UTILITY MAINTENANCE PAD	PER CIVIL	
H	TRASH BIN	BY OWNER	
J	EXISTING WALL	PROTECT IN PLACE	
K	PARKING PAY MACHINE	SEE...	
L	CMU BLOCK ENCLOSURE	PER ARCH	
M	FOUNTAIN PUMP VAULT	PER FOUNTAIN PLANS	
N	TRAFFIC RATED TRENCH DRAIN	PER CIVIL	
P	SALVAGED CONCRETE WHEELSTOPS		DRILL AND EPOXY STEEL DOWELS INTO PAVING.

SITE FURNISHINGS LEGEND

SYM.	DESC.	MANUF.	MODEL #	COLOR	FINISH/PTRN.	QTY.	DET.
⊕	METAL BENCH	FORMS AND SURFACES	DUO BENCH, SB010-72PC SURFACE MOUNT	ALUMINUM TEXTURE POWDER COATED	STAINLESS STEEL AND JATIBA WOOD	4	PER MANUF.
⊕	METAL TRASH RECEPTACLE	FORMS AND SURFACES	UNIVERSAL LETTER AND RECYCLING RECEPTACLE SLIM-36SS, SURFACE MOUNTED	SATIN LID AND BODY WITH LITER AND RECYCLING GRAPHICS	STAINLESS STEEL LID AND BODY	2	PER MANUF.
○	LANDSCAPE POT	POKCRETE	ECCOCAST SANTA FE PLANTER (OR-SF3630P)	EROSION	SANTA FE SANDBLAST W/ STD. GLOSS SEAL	2	11/ L6.02
⊕	BIKE RACK	FORMS AND SURFACES	TRIO BIKE RACK: SKIRE-ALL	ALUMINUM TEXTURE	POWDERCOATED	3	PER MANUF.
⊕	DOUBLE BIKE LOCKER	PARK - A	STACKABLE BIKE LOCKER ASBC-302	MEDIUM GRAY	FIBERGLASS REINFORCED PLASTIC	4	PER MANUF.
⊕	FLAGPOLE	INTERSTATE	INTERNAL CAM CLEAT GROUND SET POLE-30' HT AND 35' HT.	SATIN WITH MATCHING FINAL BALL	ALUMINUM	2	18/ L4.02

NOTES:
1. ALL SITE FURNISHINGS ARE TO BE PROVIDED BY THE CONTRACTOR.
2. QUANTITIES SHOWN IN SITE FURNISHINGS LEGEND ARE TOTAL QUANTITIES.



MATERIALS PLAN | 1/8" = 1'-0" | 01

LPA
Architecture
Planning
Interior Design
Landscape Architecture
Graphics

5161 California Ave, Suite 100
Irvine, California 92617

P 949 | 261-1001
F 949 | 260-1190
E lpa@lpainc.com
W www.lpainc.com



This and all other project documents and all sheets, conditions and drawings incorporated herein are the property of LPA. No part of these documents may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written consent of LPA. LPA hereby grants license to the user of this project document and, modification or alteration of this document is not allowed. LPA and its consultants to the maximum legal extent disclaim all liability, demands, claims or damages, whether direct or indirect, from project documents herein.
Project documents describe design intent of work and are not a representation of as-built or existing conditions. LPA and its consultants make no representation concerning the accuracy of documents and are not responsible for any discrepancies between project documents and the existing conditions.
© Copyright 2012

West Hollywood AVSRS
1065 Sweetzer Avenue
West Hollywood, CA
Developed for
City of West Hollywood

Revision	Description	Date
001	SCHEMATIC DESIGN	08/28/11
002	SCHEMATIC DESIGN UPDATE	02/07/12
003	DESIGN DEVELOPMENT	09/16/12
004	PERMISSIVE SUBMITTAL	04/15/13
005	PERMISSIVE SUBMITTAL	08/28/13

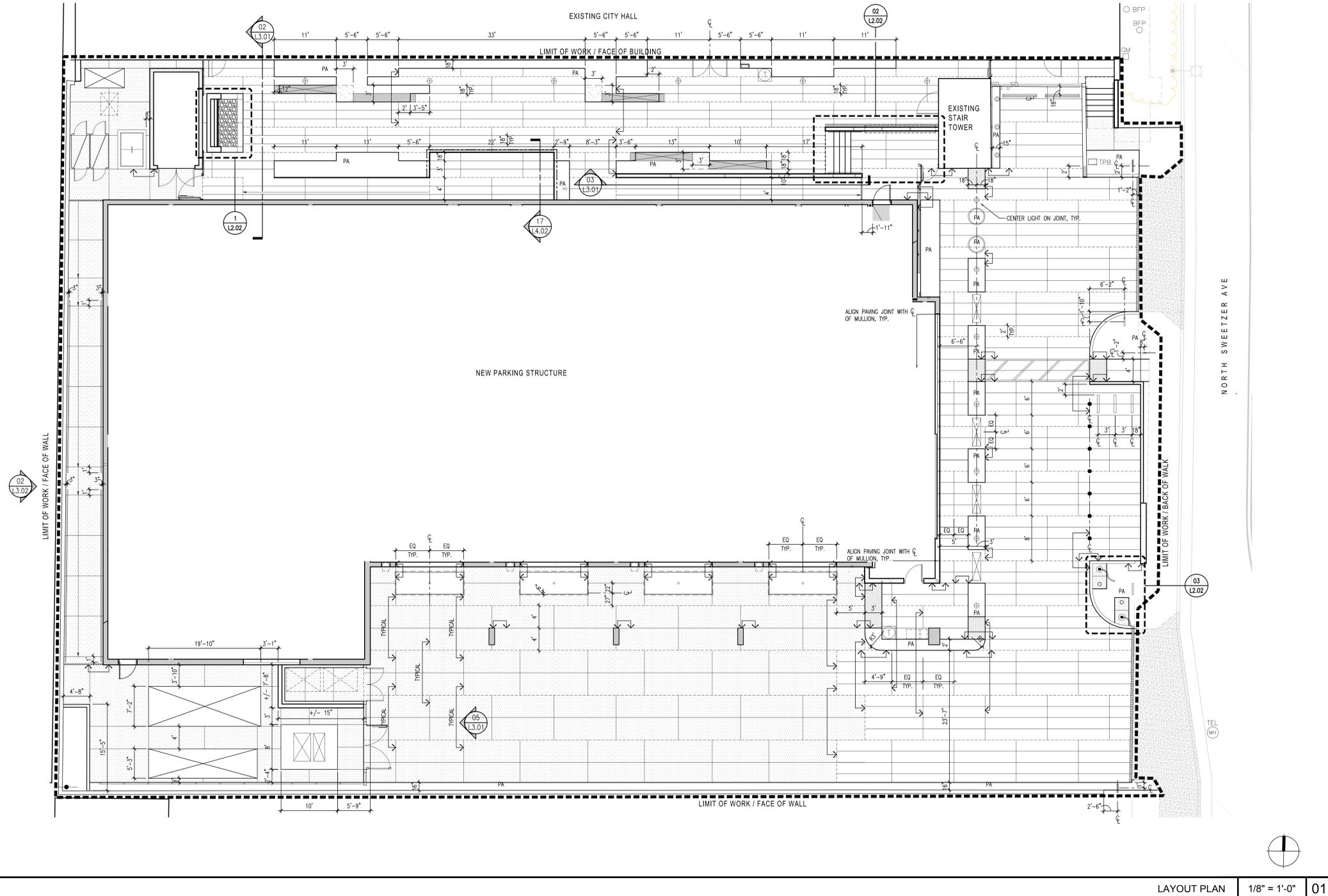
Job No: 28036-40
Date: 11 JULY 2013
Drawn by: DC
Checked by: GP
Scale:

MATERIALS PLAN
L1.01



This and all other project documents and all sheets, conditions and details incorporated herein are instruments of service. All project documents are the registered property of LPA and cannot be used in whole or in part for any other project without the express written consent of LPA. Any use of project documents for any other project without the express written consent of LPA and Client is a breach of the agreement between LPA and Client. LPA hereby grants license to use project documents for the project only and does not grant any other rights. LPA's liability is limited to the amount of the fee for the project. LPA and Client agree to hold each other harmless from all claims, demands, costs or expenses arising out of or from this project document. Project documents describe design intent of work and are not a representation of as-built or existing conditions. LPA and LPA's Consultants make no representation concerning the accuracy of documents and are not responsible for any discrepancies between project documents and the existing conditions.

© Copyright 2012



LAYOUT PLAN | 1/8" = 1'-0" | 01

West Hollywood AVSRS

1065 Sweetzer Avenue
West Hollywood, CA

Developed for
City of West Hollywood

Revision	Description	Date

Revision	Description	Date
01	SCHEMATIC DESIGN	06/18/11
02	SCHEMATIC DESIGN UPDATE	02/02/12
03	DESIGN DEVELOPMENT	09/14/12
04	PERMITS	04/15/13
05	PERMITS	08/29/13

Job No.	28035-40
Date	11 JULY 2013
Drawn by	DC
Checked by	GP
Scale	1/8" = 1'-0"

LAYOUT PLAN
L2.01

0 4 8 16

SITE SYMBOLS LEGEND

SYM.	DESC.	SYM.	DESC.	DET.
FOC	FACE OF CURB	---	SAWCUT JOINT	03/ L4.01
BOC	BACK OF CURB	---	CONSTRUCTION JOINT	03/ L4.01
PA	PLANTING AREA	---	LIMIT OF WORK	
↘	ALIGN	→	DOWN SLOPE DIRECTION OF RAMP	
⦿	FIRE HYDRANT	[PB]	ELECTRICAL PULL BOX	

NOTE: UTILITIES SHOWN ARE FOR REFERENCE ONLY. SEE CIVIL DWGS. FOR DETAILS AND EXACT LOCATIONS. FINAL LOCATIONS TO BE REVIEWED BY LANDSCAPE ARCHITECT.

LIGHTING LEGEND

SYM.	DESCRIPTION	COMMENTS	DET. REF./REMARKS
⊕	LIGHT COLUMN	SEE ELEC. PLANS FOR MODEL # AND COLOR.	-/-
○	IN GROUND LIGHT	SEE ELEC. PLANS FOR MODEL # AND COLOR.	-/-
—	LED STRIP LIGHT	SEE ELEC. PLANS FOR MODEL # AND COLOR.	-/-

NOTE: SEE ELECTRICAL ENGINEERING PLANS FOR FIXTURES, LAMPS, AND SPECS.

KEYNOTES

KEY NOTE	DESCRIPTION	DET/SH#	COLOR / FINISH
1	CONCRETE PAVING - TYPE 1	17/ L4.01	COLOR: INTEGRAL DAVIS "PEBBLE" 641 FINISH: TOP CAST #03 (LIGHT ETCH)
2	CONCRETE PAVING - TYPE 2	1/ L4.01	COLOR: NATURAL GRAY FINISH: MEDIUM BROOM
3	STABILIZED DECOMPOSED GRANITE	10/ L4.01	KETTLE D.G. AVAILABLE THROUGH DECORATIVE STONE SOLUTIONS OR APPROVED EQUAL.
4	CONCRETE STEPS	1/ L4.02	COLOR AND FINISH TO MATCH ADJACENT CONCRETE PAVING.
5	ELEVATED CONCRETE LANDING	17/ L4.02	---
6	CUSTOM CONCRETE AND WOOD BENCH	08/ L4.01	COLOR: INTEGRAL DAVIS "PEBBLE" 641 FINISH: LIGHT ETCH TO MATCH PAVING WOOD COLOR/FINISH: PER DETAIL
7	ALUMINUM EDGING	05/ L4.01	COLOR: BLACK FINISH: ANODIZED ALUMINUM
8	STAINED CONCRETE BAND		COLOR: TBD
9	HANDRAIL AT STEPS	02/ L4.02	STAINLESS STEEL WITH #4 SATIN FINISH
10	HANDRAIL AT RAMP	04/ L4.01	PAINTED TUBE STEEL COLOR: TBD
11	CONCRETE RETAINING WALL	13/ L4.01	COLOR: INTEGRAL DAVIS "PEBBLE" 641 FINISH: TOP CAST #03 (LIGHT ETCH) PAINTED TUBE STEEL FRAME WITH COMPOSITE WOOD PANELS. SEE DETAIL FOR COLORS.
12	WOOD FENCE PANEL (FIXED)	20/ L4.03	PAINTED TUBE STEEL FRAME WITH COMPOSITE WOOD PANELS. SEE DETAIL FOR COLORS.
13	PEDESTRIAN WOOD PANEL GATE	02/ L3.01	PAINTED TUBE STEEL FRAME WITH COMPOSITE WOOD PANELS. SEE DETAIL FOR COLORS.
14	DOUBLE WOOD PANEL SWINGING GATES	05/ L3.01	PAINTED TUBE STEEL FRAME WITH COMPOSITE WOOD PANELS. SEE DETAIL FOR COLORS.
15	6' LONG WOOD/METAL BENCH		SEE SITE FURNISHINGS LEGEND
16	METAL TRASH RECEPTACLE		SEE SITE FURNISHINGS LEGEND
17	BIKE RACK		SEE SITE FURNISHINGS LEGEND
18	STACKING BIKE LOCKER		SEE SITE FURNISHINGS LEGEND
19	LANDSCAPE PLANTER POT		SEE SITE FURNISHINGS LEGEND
20	FLAG POLE		SEE SITE FURNISHINGS LEGEND
21	LIGHT COLUMN		SEE SITE LIGHTING LEGEND
22	IN GROUND UP LIGHT		SEE SITE LIGHTING LEGEND
23	LED LIGHT STRIP		SEE SITE LIGHTING LEGEND
24	PRE-CAST CONCRETE TRUNCATED DOME PAVERS	21/ L4.01	COLOR: BLACK AVAILABLE THROUGH ACKERSTONE OR APPROVED EQUAL.
25	PRE-CAST CONCRETE BOLLARD AVAILABLE THROUGH QUICKCRETE OR APPROVED EQUAL.	19/ L4.02	COLOR: NATURAL FINISH: LIGHT SANDBLAST SEALER: STANDARD GLOSS
26	TRENCH DRAIN	11/ L4.01	BALCO INC. MODEL #PDG-20S WITH CLEAR ANODIZED ALUMINUM FINISH
27	GUARDRAIL AT LOADING DOCK	17/ L4.02	STAINLESS STEEL WITH #4 SATIN FINISH
28	FREESTANDING CMU BLOCK WALL	20/ L4.01	COLOR: GRAY WITH MATCH GROUT FINISH: PRECISION CUT
29	BEACH PEBBLES		6" LAYER OF SIZE: 3"-3"
30	FREESTANDING GREEN SCREEN	22/ L4.04	COLOR: NATURAL FINISH: POWDERCOATED
31	PAINTED CONCRETE INFILL WALL	01/ L4.05	COLOR: MATCH EXISTING FINISH: MATCH EXISTING
32	CMU BLOCK RETAINING WALL	02/ L4.05	COLOR: GRAY WITH MATCH GROUT FINISH: PRECISION CUT
33	RELOCATED DOOR OPERATOR BASE		COLOR AND FINISH TO MATCH ADJACENT PAVING.
34	EXISTING WALL		REMOVE W/VE RESIDUALS AND REPAINT COLOR AND TEXTURE TO MATCH EXISTING.
35	WALL MOUNTED GREEN SCREEN	04/ L4.05	COLOR: SMOOTH TEXTURE SILVER FINISH: POWDERCOATED
36	INDICATES (1 OF 3) AGRONOMIC SOILS TESTING LOCATIONS		SEE GENERAL PLANTING NOTE #9 ON SHEET L0.01.

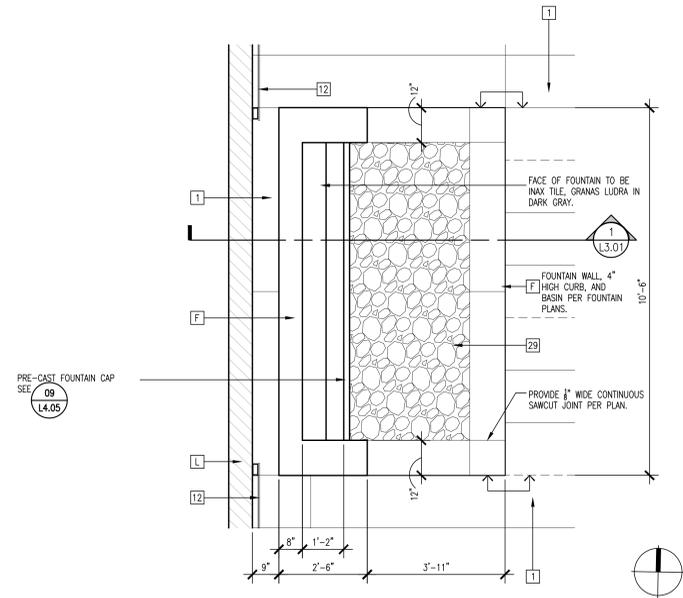
REFERENCE KEYNOTES

KEY NOTE	DESCRIPTION	DET REF	COLOR / FINISH
A	CONCRETE CURB	PER CIVIL	NATURAL GREY COLOR/ SMOOTH TROWEL
B	BUILDING COLUMN	PER ARCH	
C	STRIPING	PER CIVIL	
D	SIGNAGE	PER ARCH	
E	MONUMENT SIGN	PER ARCH	
F	CONCRETE FOUNTAIN	PER FOUNTAIN PLANS	
G	UTILITY MAINTENANCE PAD	PER CIVIL	
H	TRASH BIN	BY OWNER	
J	EXISTING WALL	PROTECT IN PLACE	
K	PARKING PAY MACHINE	SEE...	
L	CMU BLOCK ENCLOSURE	PER ARCH	
M	FOUNTAIN PUMP VAULT	PER FOUNTAIN PLANS	
N	TRAFFIC RATED TRENCH DRAIN	PER CIVIL	
P	SALVAGED CONCRETE WHEELSTOPS	DRILL AND EPOXY STEEL DOWELS INTO PAVING.	

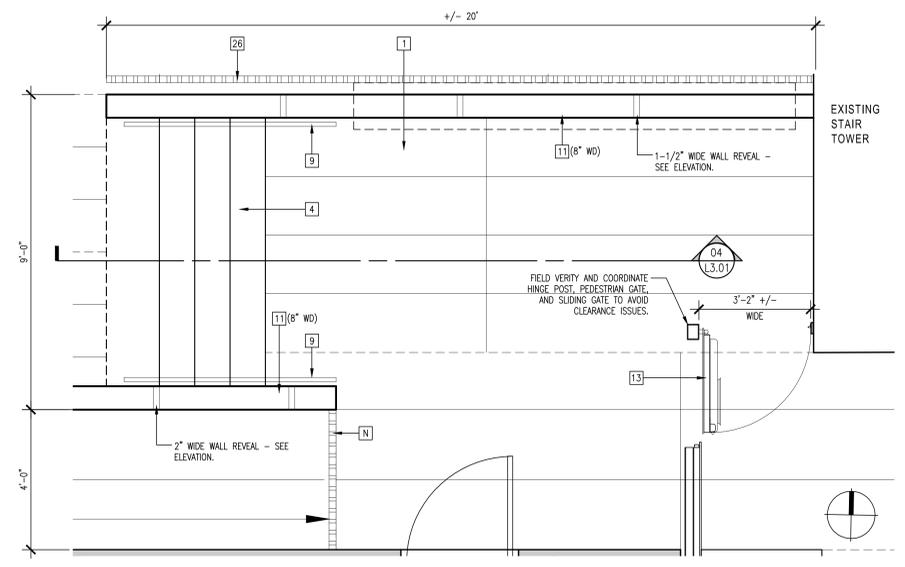
SITE FURNISHINGS LEGEND

SYM.	DESC.	MANUF.	MODEL #	COLOR	FINISH/PTRN.	QTY.	DET.
[M]	METAL BENCH	FORMS AND SURFACES	DUO BENCH, SB010-72PC SURFACE MOUNT	ALUMINUM TEXTURE POWDER COATED	STAINLESS STEEL AND JATIBA WOOD	4	PER MANUF.
[T]	METAL TRASH RECEPTACLE	FORMS AND SURFACES	UNIVERSAL LETTER AND RECYCLING RECEPTACLE SLIM-36SS, SURFACE MOUNTED	SATIN LID AND BODY WITH LITER AND RECYCLING GRAPHICS	STAINLESS STEEL LID AND BODY	2	PER MANUF.
[O]	LANDSCAPE POT	QUICKCRETE	ECCOCAST SANTA FE PLANTER (QR-SF3630P)	EROSION	SANTA FE SANDBLAST W/ STD. GLOSS SEAL	2	11/ L6.02
[R]	BIKE RACK	FORMS AND SURFACES	TRIO BIKE RACK, SKRRE-ALLI	ALUMINUM TEXTURE	POWDERCOATED	3	PER MANUF.
[D]	DOUBLE BIKE LOCKER	PARK - A BIKE	STACKABLE BIKE LOCKER ASBC-302	MEDIUM GRAY	FIBERGLASS REINFORCED PLASTIC	4	PER MANUF.
[F]	FLAGPOLE	INTERSTATE POLE INDUSTRIES	INTERNAL CAM CLEAT GROUND SET POLE - 30' HT AND 35' HT.	SATIN WITH MATCHING FINAL BALL	ALUMINUM	2	18/ L4.02

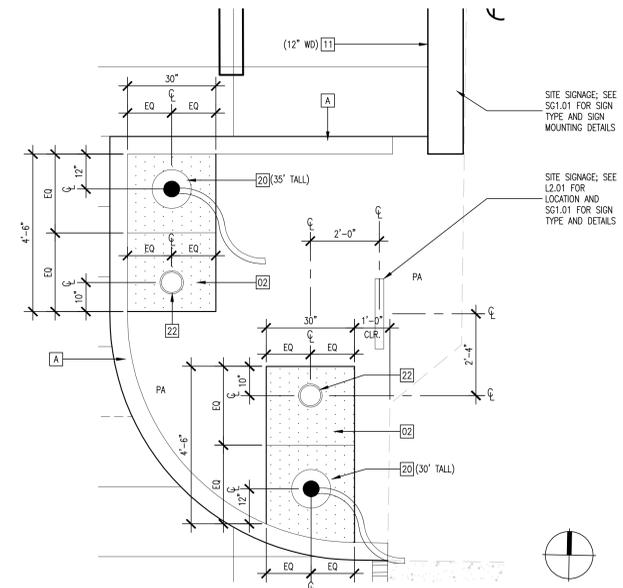
NOTES:
1. ALL SITE FURNISHINGS ARE TO BE PROVIDED BY THE CONTRACTOR.
2. QUANTITIES SHOWN IN SITE FURNISHINGS LEGEND ARE TOTAL QUANTITIES.



WATER WALL FOUNTAIN ENLARGEMENT PLAN | 1



STEP ENLARGEMENT PLAN | 02



ENTRY FOUNTAIN ENLARGEMENT PLAN | 03



Architecture
Planning
Interior Design
Landscape Architecture
Graphics

5161 California Ave, Suite 100
Irvine, California 92617

P 949 | 261-1001
F 949 | 260-1190
E lpa@lpainc.com
W www.lpainc.com



This and all other project documents and all sheets, conditions and drawings incorporated herein are the property of LPA. No part of these documents may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of LPA. LPA hereby grants license to the recipient of these documents for use in connection with the project for which they were prepared. LPA does not warrant the accuracy of the information provided in these documents. LPA and its consultants are not responsible for any errors, omissions, or delays in the project documents or any liability from project documents.

Project documents describe design intent of work and are not a representation of as-built or existing conditions. LPA and LPA's Consultants make no representation concerning the accuracy of documents and are not responsible for any discrepancies between project documents and the existing conditions.

© Copyright 2012

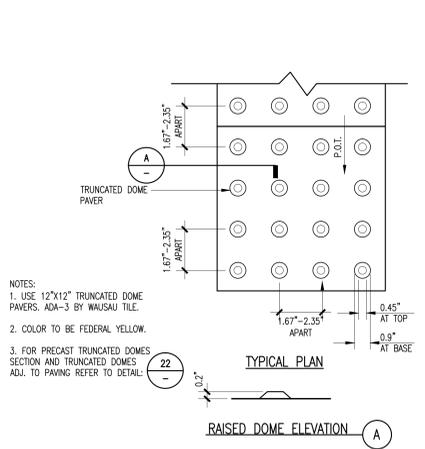
West Hollywood AVSRS
1065 Sweetzer Avenue
West Hollywood, CA
Developed for
City of West Hollywood

Revision	Description	Date
01	SCHEMATIC DESIGN	08/28/11
02	SCHEMATIC DESIGN UPDATE	02/02/12
03	DESIGN DEVELOPMENT	09/16/12
04	PERMANENT CONSTRUCTION	04/15/13
05	PERMANENT CONSTRUCTION	08/28/13

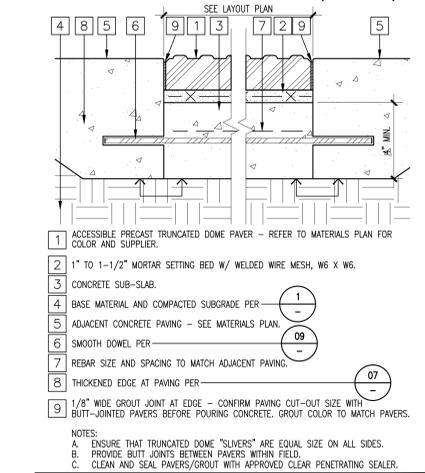
Job No.	2803540
Date	11 JULY 2013
Drawn by	DC
Checked by	GP
Scale	1/2" = 1'-0"

MATERIALS AND LAYOUT PLAN ENLARGEMENTS

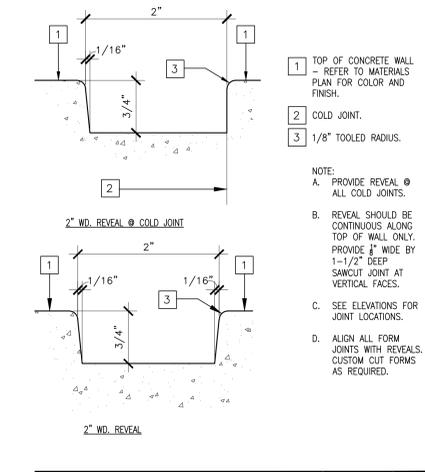
L2.02



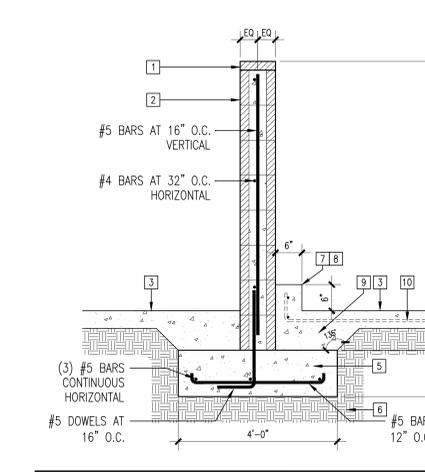
TRUNCATED DOMES 3\"/>



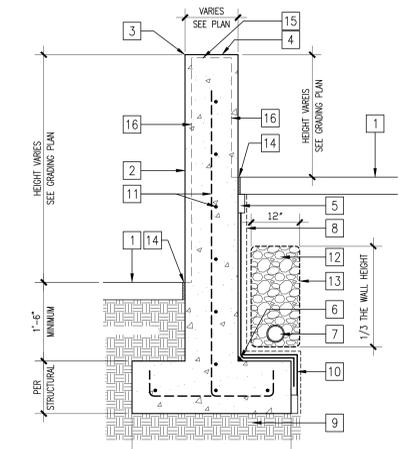
PRE-CAST TRUNCATED DOME PAVER 3\"/>



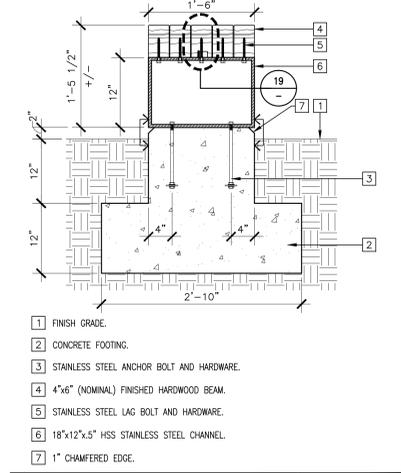
WALL REVEAL FULL Same 23



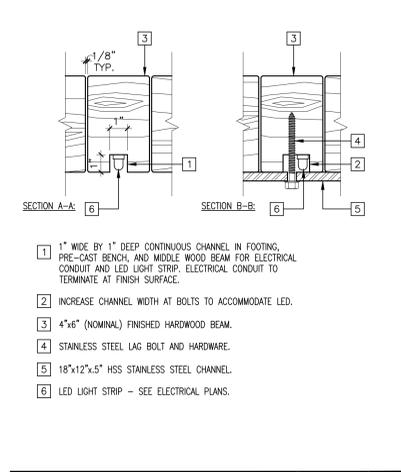
WOOD/CONCRETE BENCH ENLARGED SECTIONS 3\"/>



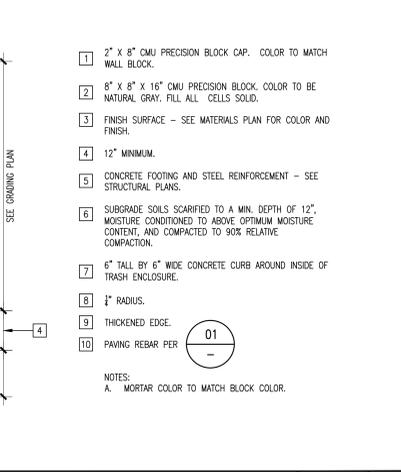
CONCRETE RETAINING WALL 3\"/>



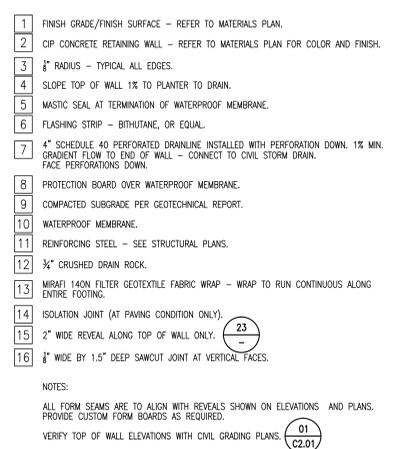
WOOD/CONCRETE BENCH SECTION 1\"/>



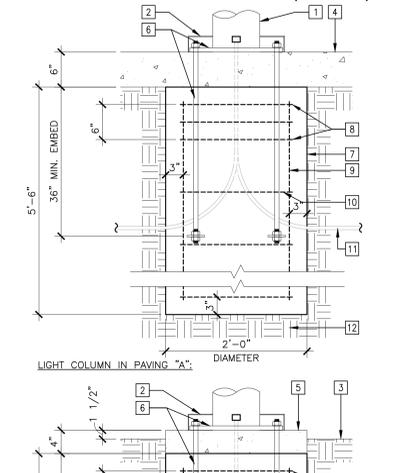
LIGHT COLUMN FOOTING 1\"/>



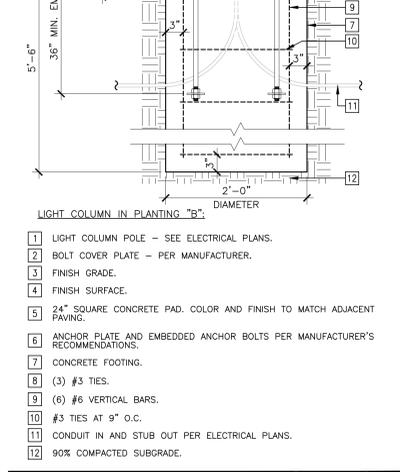
TRENCH DRAIN 3\"/>



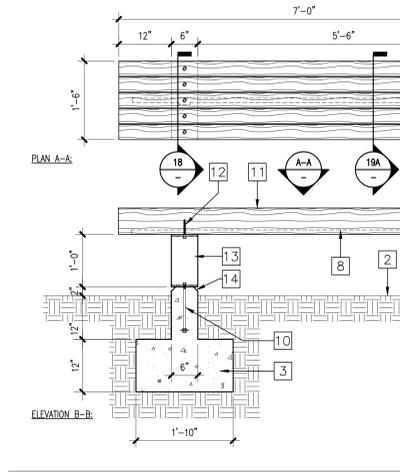
CONCRETE PAVING TIE-IN 3\"/>



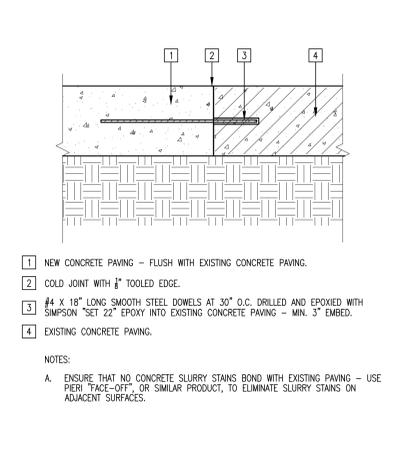
ALUMINUM EDGING 1 1/2\"/>



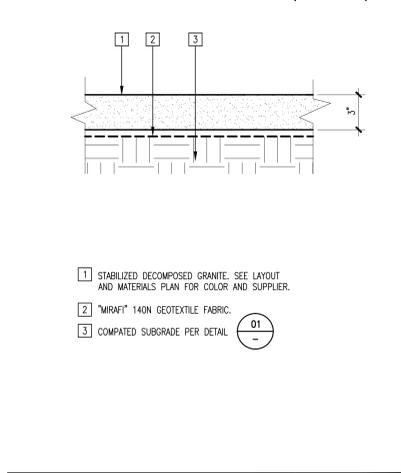
DECOMPOSED GRANITE 3\"/>



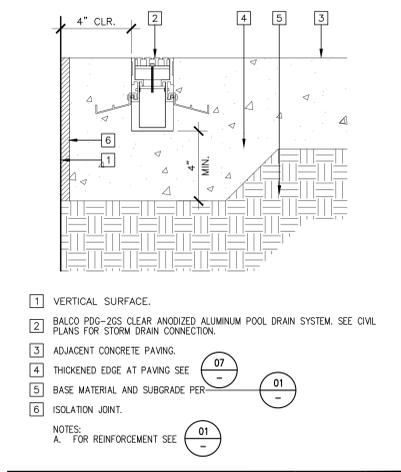
CONCRETE PAVING AT CURB 3\"/>



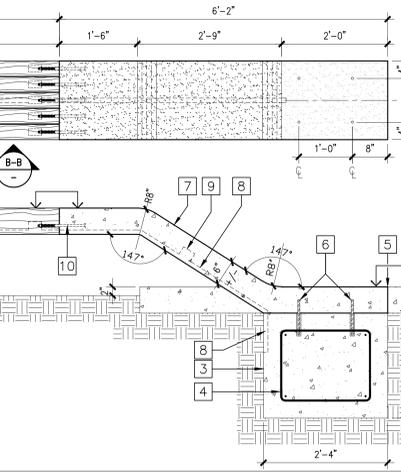
CONCRETE PAVING 3\"/>



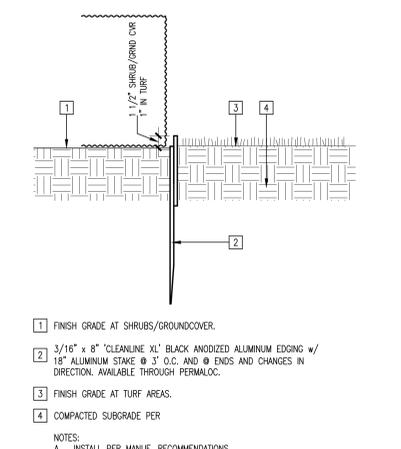
PRE-CAST TRUNCATED DOME PAVER 3\"/>



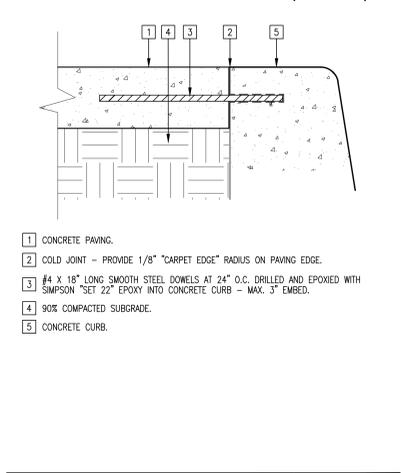
WOOD/CONCRETE BENCH SECTION 1\"/>



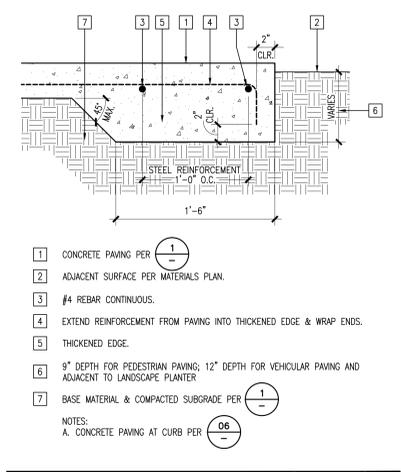
LIGHT COLUMN FOOTING 1\"/>



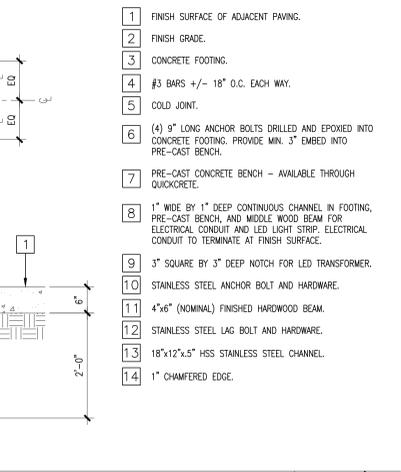
TRENCH DRAIN 3\"/>



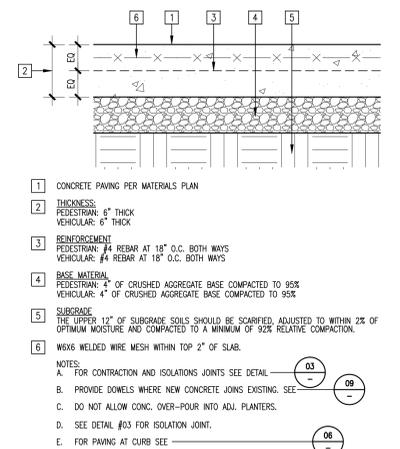
CONC. PAVING W/ THICKENED EDGE 1 1/2\"/>



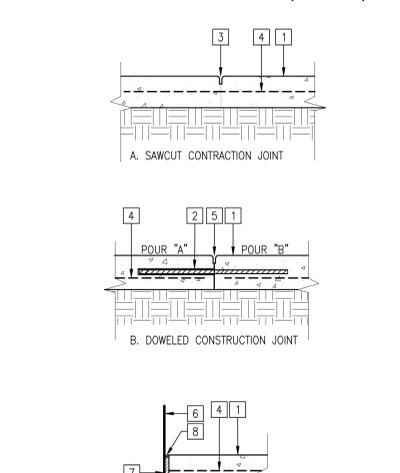
CONCRETE PAVING JOINTS (SAWCUT) 1 1/2\"/>



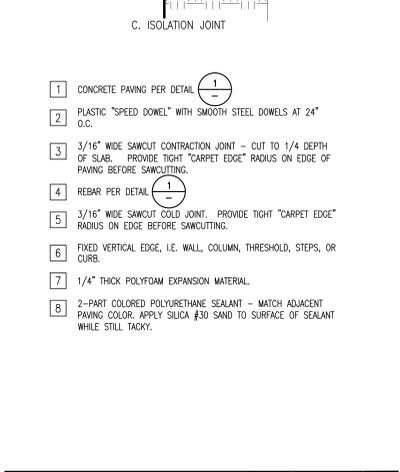
HANDRAIL AT RAMP 1 1/2\"/>



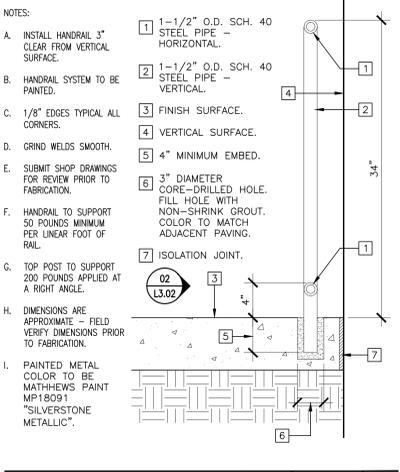
CONCRETE PAVING 3\"/>



PRE-CAST TRUNCATED DOME PAVER 3\"/>



WOOD/CONCRETE BENCH SECTION 1\"/>



LIGHT COLUMN FOOTING 1\"/>

LPA

Architecture
Planning
Interior Design
Landscape Architecture
Graphics

5161 California Ave, Suite 100
Irvine, California 92617

P 949 | 261-1001
F 949 | 260-1190
E lpa@lpa-inc.com
W www.lpa-inc.com

REG. LICENSED LANDSCAPE ARCHITECT
GREG EDWARD PUERTITAS NO. 0086
SIGNATURE
02-29-5
RENEWAL DATE
08-29-5

This and all other project documents and all sheets, conditions and drawings shall remain the property of LPA. No part of any project documents may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of LPA. LPA hereby grants license to the recipient of this project document to use, modify, or adapt the information contained herein for the project only. LPA and its affiliates shall not be held liable for any errors or omissions in this project document. LPA and its affiliates shall not be held liable for any damages, claims, or liabilities arising directly or indirectly from project documents.

Project documents describe design intent of work and are not a representation of as-built or existing conditions. LPA and LPA's Consultants make no representation concerning the accuracy of documents and are not responsible for any discrepancies between project documents and the existing conditions.

© Copyright 2012

West Hollywood AVSRS

1065 Sweetzer Avenue
West Hollywood, CA
Developed for
City of West Hollywood

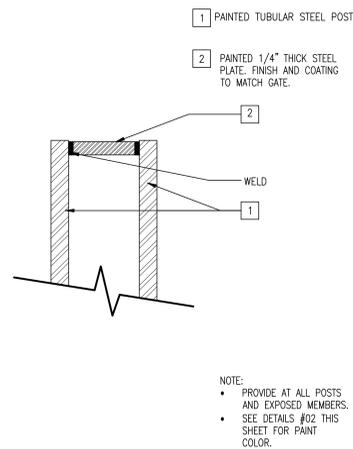
CONSTRUCTION DETAILS

L4.01

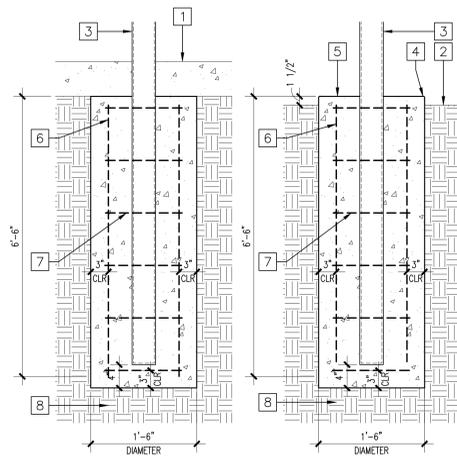


This set of project documents and all sheets, conditions and drawings incorporated herein are the property of LPA and shall remain the property of LPA. LPA and its consultants shall not be held liable for any errors or omissions in these documents. LPA and its consultants shall not be held liable for any errors or omissions in these documents. LPA and its consultants shall not be held liable for any errors or omissions in these documents. LPA and its consultants shall not be held liable for any errors or omissions in these documents.

Copyright 2012

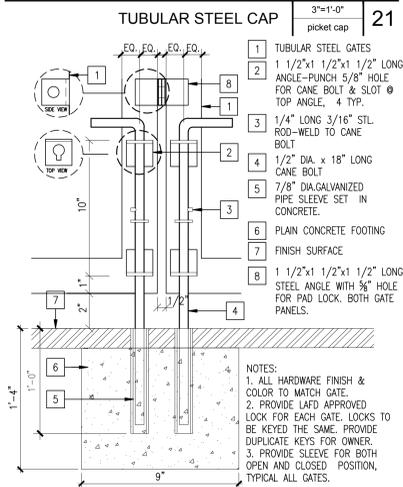


NOTE:
• PROVIDE AT ALL POSTS AND EXPOSED MEMBERS.
• SEE DETAILS #02 THIS SHEET FOR PAINT COLOR.

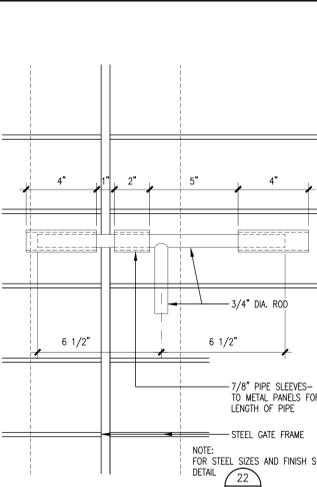


- 1 FINISH SURFACE.
- 2 FINISH GRADE.
- 3 TUBE STEEL GATE/FENCE POST.
- 4 1/2" RADIUS.
- 5 SLOPE TOP OF FOOTING 1% TO DRAIN.
- 6 #6 VERTICAL BARS.
- 7 #3 TIES AT 9" O.C.
- 8 COMPACTED SUBGRADE PER

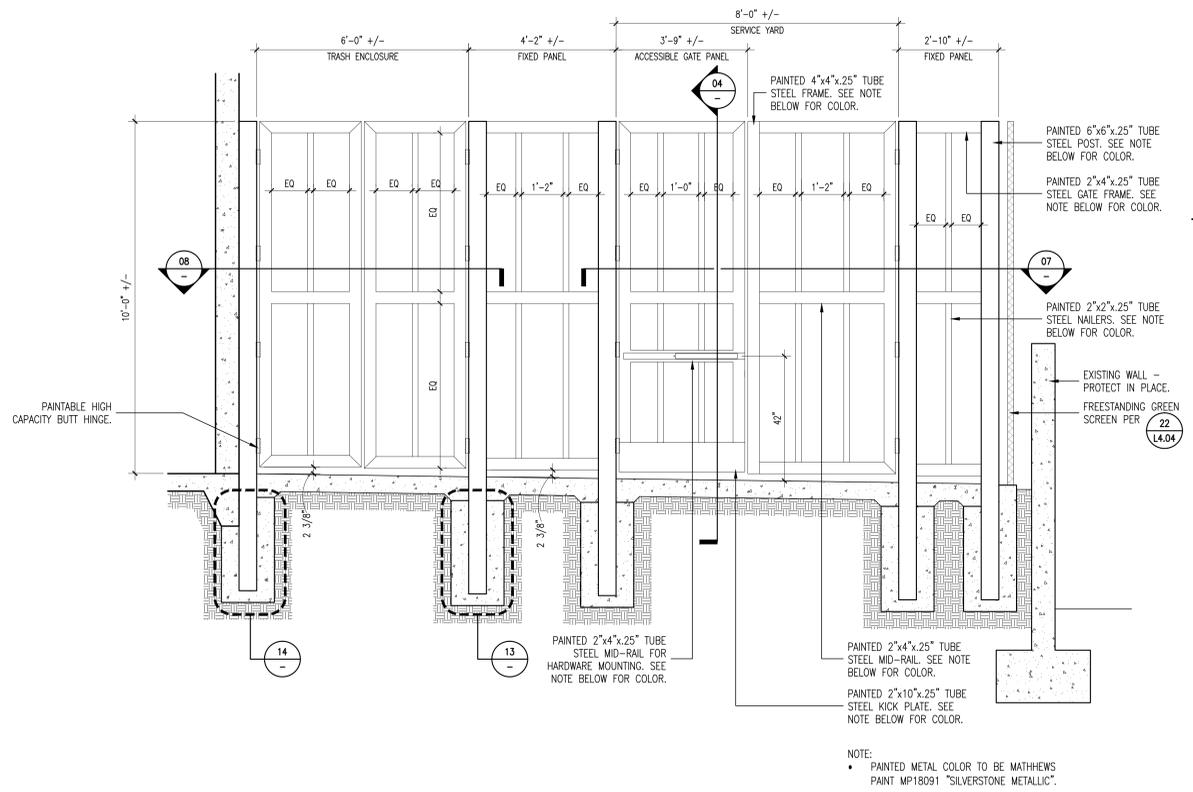
01
L4.01



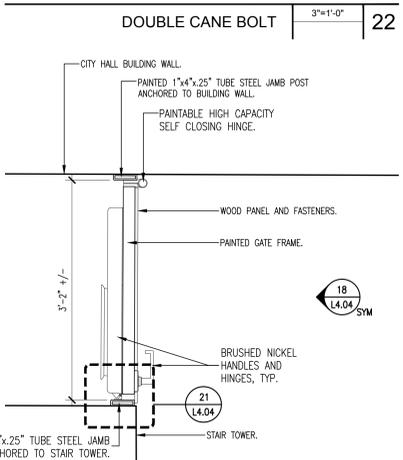
NOTE:
1. ALL HARDWARE FINISH & COLOR TO MATCH GATE.
2. PROVIDE LAFD APPROVED LOCK FOR EACH GATE. LOCKS TO BE KEYPED THE SAME. PROVIDE DUPLICATE KEYS FOR OWNER.
3. PROVIDE SLEEVE FOR BOTH OPEN AND CLOSED POSITION, TYPICAL ALL GATES.



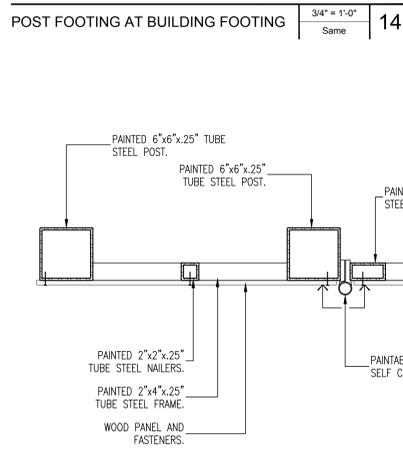
NOTE:
COORDINATE FENCE/GATE FOOTING WITH BUILDING FOOTING PRIOR TO POURING BUILDING FOOTING.



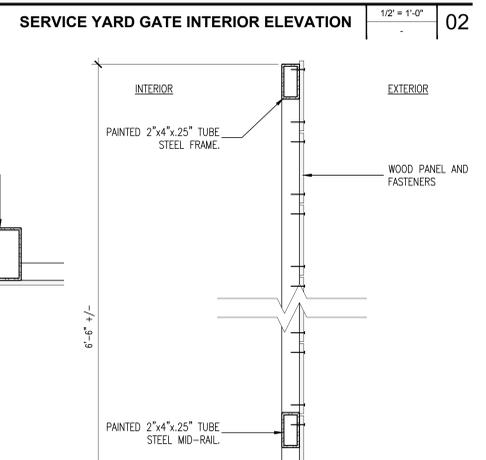
NOTE:
• PAINTED METAL COLOR TO BE MATTHEWS PAINT MP18091 "SILVERSTONE METALLIC".



NOTE:
• SEE DETAIL #02, THIS SHEET FOR PAINT COLOR.



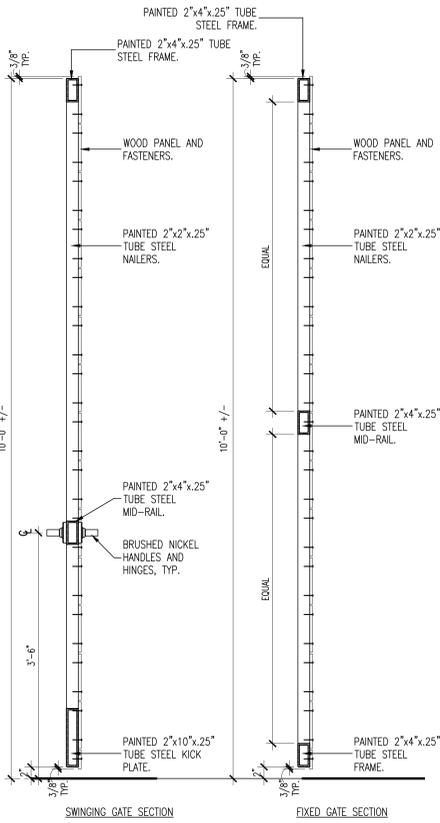
NOTE:
• SEE DETAIL #02, THIS SHEET FOR PAINT COLOR.



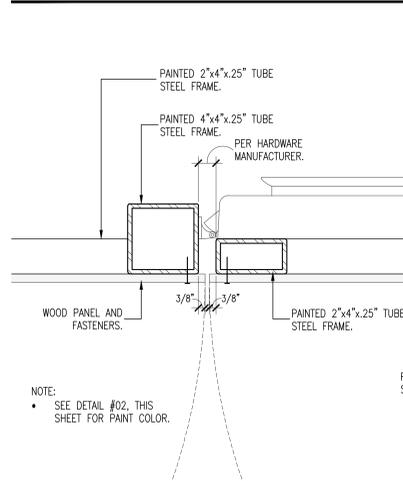
NOTE:
• SEE DETAIL #02, THIS SHEET FOR PAINT COLOR.



NOTE:
• SEE DETAIL #02, THIS SHEET FOR PAINT COLOR.

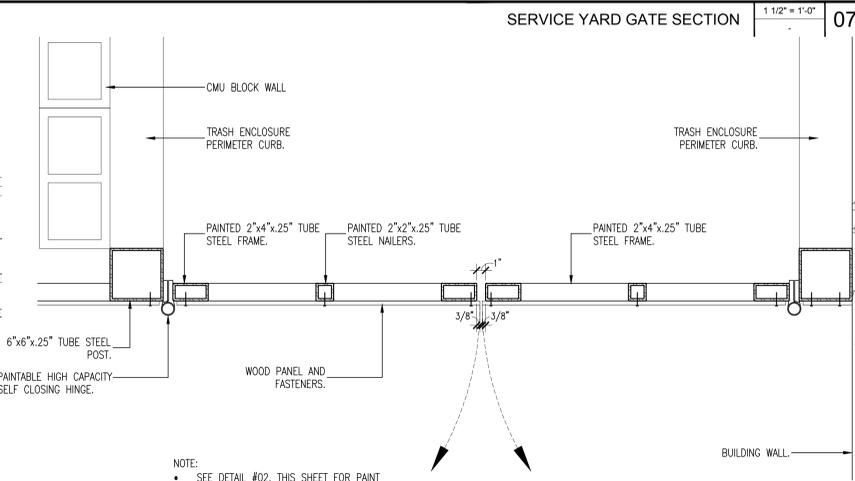


WOOD PANEL SWING GATE/FIXED FENCE SECTION



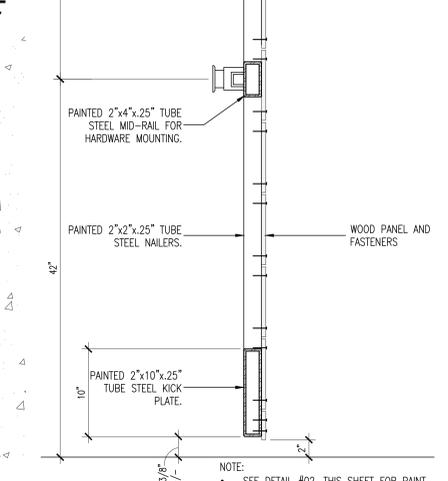
NOTE:
• SEE DETAIL #02, THIS SHEET FOR PAINT COLOR.

TRASH ENCLOSURE GATE ENLARGEMENT



NOTE:
• SEE DETAIL #02, THIS SHEET FOR PAINT COLOR.

TRASH ENCLOSURE GATE SECTION



NOTE:
• SEE DETAIL #02, THIS SHEET FOR PAINT COLOR.

ACCESSIBLE GATE PANEL SECTION

Revision	Description	Date
001	SCHEMATIC DESIGN	08/28/11
002	SCHEMATIC DESIGN UPDATE	09/07/12
003	DESIGN DEVELOPMENT	09/16/12
004	PERMANENT CONSTRUCTION	04/15/13
005	PERMANENT CONSTRUCTION	08/28/13

Revision	Description	Date
001	SCHEMATIC DESIGN	08/28/11
002	SCHEMATIC DESIGN UPDATE	09/07/12
003	DESIGN DEVELOPMENT	09/16/12
004	PERMANENT CONSTRUCTION	04/15/13
005	PERMANENT CONSTRUCTION	08/28/13

Job No.	28036-40
Date	11 JULY 2013
Drawn by	DC
Checked by	GP
Scale	