

**LONG BEACH CITY COLLEGE DISTRICT
CONTRACTS MANAGEMENT DEPARTMENT**

**4901 EAST CARSON STREET
LONG BEACH, CA 90808
Ph. (562) 938-4843**

**BID C2194D ADA SITE BARRIER REMOVAL PROJECT
AT THE
LIBERAL ARTS CAMPUS**

ADDENDUM NO # 1

JANUARY 6, 2021

This Addendum forms a part of the Contract Documents and modifies the original Contract Documents. Acknowledge receipt of the Addendum on Section 1.2 of the Bid Proposal. Failure to do so may result in the bid being deemed non-responsive.

Note: It is the responsibility of all bidders to notify all subcontractors from whom they request bids and from whom they accept bids of all changes contained in this addendum.

ADDENDUM NO. 1 CONTENTS

I. PRE-BID INQUIRIES (PBI'S) AND RESPONSES

I. REVISIONS TO DRAWINGS

II. ATTACHMENTS

I. PRE-BID INQUIRIES (PBI'S) AND RESPONSES

1. Q: Is chain link fencing required around each worksite?

A: *Yes.*

2. Q: Is security/privacy screens required on the chain link fencing?

A: *Not required.*

3. Q: Are escorts required for equipment and material movement on campus? In front and in back?

A: *Yes.*

4. Q: Current Bid-Docs on Planwell show Attachment "H" having 5 phases, but at the mandatory pre-bid meeting the Attachment "H" used to show only 4 phases with what appears that phase 1 and phase 2 are combined into 1 phase. Please clarify.

A: *Attachment "H" shall supersede the pre-bid attachment. 5 Phases for this project.*

5. Q: Are we allowed to work as many areas in each phase at one time?

A: The Contractor is allowed to work in as many areas within each phase at one time based on District approved logistics plan, campus accessibility, District scheduling requirements, Contractor schedule, and any other District needs.

6. Q: Does a phase have to be 100% completed before moving into the next phase? Or will some overlap such as layout and sawcutting be allowed to take place?

A: Work phases must be 100% completed prior to moving onto the next phase. BMT and the District reserves the right to release multiple phases to the Contractor contingent on Contractor performance, schedule, and campus accessibility.

7. Q: Please confirm that expansion paper and joint sealant is required where new walkway abuts all buildings and entry ways into said buildings.

A: Confirmed.

8. Q: Where curb, curb & gutter, swale, and sidewalk adjoining existing curb, C&G, swale, or sidewalks are dowels required? If yes, please describe type (deformed or smooth), method (slip or epoxied), size, length, and spacing.

A: Yes, as specified on bid documents.

9. Q: The existing irrigation boxes (3) along the east side of Bldg. D will need to be raised after the new sidewalk is poured. Will LBCC be responsible for this?

A: Contractor shall be responsible for raising all valve and pull boxes to match new grade.

10. Q: At the south east corner of Bldg. E is what appears to be a non-working phone in the new walkway area. Is this to be abandoned and demolished? Or will LBCC remove and store for later usage?

A: Contractor to salvage and return to District.

11. Along the east side of Bldg. D there are 3 drains showing through the existing planter wall. Are these roof drains or planter drains? Are they to remain as is and drain across the new walkway?

A: Drain holes to be plugged with new drain holes to be provided above finished surface.

12. Q: C1.18 - At the northeast corner of Bldg. B, the new 6" curb and raised walkway is designed to end at the bottom of a ramp. Please direct how this transition is to take place. Or should the ramp area and curb be included in the removal and reconstruction?

A: Northernmost 10' of the walkway are to be transitioned from 6" curb to 0" curb. Join existing walkway elevation.

13. Q: Should there be a 12" Asphalt slot area removed and patched back along the new curb, rolled curb, curb & gutter, and swale construction to allow for forming to take place

A: Confirmed. 12" wide AC along new curb, etc. shall match existing AC pavement thickness.

14. Q: At the south east corner of Bldg. D there are existing surface mounted truncated domes to be removed, but the walkway they are mounted to is to remain and the new cast in place domes are to be placed in a patched-up walkway. We recommend a complete R&R of the walkway at this corner to remove the patch work and the scarring from the removed surface mounted domes

A: Confirmed. Yellow topset domes are acceptable.

15. Q: On plan page C1.23 it calls out for topset truncated domes also known as surface mount domes. There are several others area where the design calls for long runs of truncated domes to be installed. In terms of production time and grade control, can these similar areas also be topset/surface mounted truncated domes?

A: Confirmed. Yellow topset domes are acceptable.

16. Q: Where new walkway is NOT called out, but new truncated domes are called out to be installed. Can these truncated domes be topset/surface mounted domes? This will eliminate the added cost of removing and replacing the concrete directly beneath the proposed new domes.

A: Confirmed. Yellow topset domes are acceptable.

17. Q: Is an Office Trailer, Furnishings, Equipment, Etc. required for the Inspector? If yes, where will this be designated as a location? And it is assumed that this location will also be designated as a laydown area for this project?

A: Office trailers and furnishings are not required. Laydown areas to be determined via Contractor's logistics plan.

18. Q: Sidewalk replacement at the northeast corner of Bldg. K eliminates a key portion of a swale. The remaining portion of the swale will drain across the ADA truncated domes and create a hazard. Should the remaining portion of the swale be removed and replaced with asphalt?

A: Per sheet C1.11, new drain is proposed to be installed to mitigate drainage hazard. New swale is to be less than 2% cross-slope to be ADA compliant.

19. Q: At the NE corner of Bldg. K, the new design shows the new swale ties into the existing S.D. grate in the parking lot area, but no new asphalt reconfigured. The existing grades will not allow flow into the grate without removing and replacing a large swath of asphalt paving? Please clarify.

A: Intent is for new edge of swale to join existing edge of asphalt pavement as shown on C1.11.

20. Q: At the NW corner of Bldg. K there is a note for the S.D. grate in the walkway area near the light pole to tie into the existing catch basin structure; adjust drain to grade. Please detail in what manner the contractor is to "tie into" the existing catch basin.

A: Note on C1.11 to be revised. Intent is for existing catch basin to remain and grate to be adjusted to new grade as needed. Note, SD grate in question is at the NE corner of Building K, not NW corner as described.

21. Q: Along the westside of Bldg. K there is a note along the raised walkway to protect in place existing curb. This curb looks to be poured monolithic with the existing sidewalk. Please clarify. If curb is removed what about the Handrailing?

A: If curb cannot be protected in place, remove and rebuild curb per Detail 1, C5.00. Provide handrail to match existing. Refer to Detail 19/0.1.

22. Q: Along the westside of Bldg. K is expansion paper and joint sealant required against the existing curb and the building thus isolating the new raised walkway?

A: Yes. Contractor to provide product data for expansion paper and joint sealant during submittal process for AOR and District approval.

23. Q: At the SE Corner of Bldg. K, there is construction note P05 where existing brick pavers exist. Please confirm that a portion of the work shown should be construction note P16.

A: Confirmed. Existing brick pavers shall be removed and replaced to match existing.

24. Q: In several areas there is a note for a new curb ramp to be installed, but the curb or curb and gutter is not noted to be removed and replaced. It is highly unlikely that the existing curb and/or curb and gutter will match the slopes of the new curb ramp. Please adjust design to include the R&R of the curb and/or curb and gutter.

A: New curb ramps connecting to building entrances shall be constructed to top and bottom of ramp as noted per plan. Where walkway is transitioning from full height walk to flush walkway, curb height shall transition from 0" to full height via 10' transition. All existing curb and curb & gutter that are within the footprint of new curb ramp shall be removed and replaced.

25. Q: Along the eastside of Bldg. F there is a note to place a rolled curb. In this designated area the asphalt area in the parking lot is raised. Please clarify if the rolled curb is to be place along the existing asphalt grade or if new asphalt area is to be place eliminating the raised area

A: Join existing asphalt grade at rolled curb area.

26. Q: Along the eastside of Bldg. D, E, & F, there are existing parking meters to protect in place. However, it appears that the footing of these parking meters will encroach the new curb. Please clarify if the new curb is to be placed in the existing walkway area.

A: Existing meters to remain. Contractor to protect in place.

27. Q: At the southside of Bldg. B near the westerly corner there is new walkway to be removed and replace due to what appears as too steep of a slope, but there is no note regarding the adjacent grass/planter area. Please clarify.

A: Landscape to be regraded to meet proposed concrete pavement elevation.

28. Q: Along eastside of Bldg. Q new walkway is designated, but a portion of the new design encroaches existing pavers that lead to the building entry/exit point. Please clarify if this area should be designated as construction note P16.

A: Confirmed. Existing pavers shall be removed and replace to match existing.

29. Q: Eastside of Bldg. R where the composite material is to be replaced with new concrete, is the existing concrete banding to remain protected in place?

A: Yes.

30. Q: Eastside of Bldg. R, there is construction note P11, won't the concrete border band be affected?

A: Protect in place existing concrete border band.

31. Q: Eastside of Bldg. R near the garden courtyard, there is construction note P05 at the circular area, but that work is decorative concrete. Please confirm that the construction note should state/clarify this.

A: Existing condition is standard gray concrete.

32. Q: Northwest corner of Bldg. D near the far west end of the courtyard, there is construction note P05 at the main walkway, but that work is decorative concrete. Please confirm that the construction note should state/clarify this.

A: At this location, remove existing concrete and replace with color concrete to match existing. Work scope shall extend to the nearest control joint. Control joint pattern shall match existing.

33. Q: Along the southside of Bldg. R the walkway is being raised There existing an asphalt path that ties into the existing walkway. Please confirm that this area will need to be removed and replaced to match the new walkway elevation. Please confirm and adjust design.

A: Confirmed. Walkway connecting to raised sidewalk will require removal and replacement.

34. Q: Along the southside of Bldg. R the walkway is being raised, there is a concrete entry path into the building (2 each) that will need to be removed and replaced to match the new walkway elevation. Please confirm and adjust design.

A: New sidewalk to align with existing walkways.

35. Q: Along the westside of Bldg. R there is a large area with construction note P05. Most of this area is behind an existing construction fencing and should be designated as construction note P12. Also, the area that extends to the Building Footprint is heavily maligned with crack that will open up wider in the removal phase and it should be added to the R&R area

A: Protect in place existing concrete border band.

36. Q: Southside of Bldg. T, does the new ramp area include the curb portion as well with the new handrails?

A: Yes, curb/wheelstop to be removed and replaced with new ramp, curb/wheelstop, and handrails as shown on C1.22.

37. Q: The southwest corner of Bldg. T near the garden area there is note P05, but this is decorative work. Please confirm and adjust design note.

A: Limit of proposed concrete work shall be edge of existing standard gray concrete (ramp, walkway, and ramp landing). Decorative concrete paving to remain.

38. Q: The new ramp to be constructed for the Building T entry does not address the elevation change with the existing main walkway. Please address in design

A: Concrete curb to be provided to address elevation change with existing main walkway.

II. REVISIONS TO DRAWINGS

1. C0.01, Title Sheet: Remove sheet in its entirety and replace with attached Addendum No. 1 C0.01 dated 10.16.20.

III. ATTACHMENTS

1. C0.01, Title Sheet:

*****END OF ADDENDUM NO. 1*****

LONG BEACH CITY COLLEGE DISTRICT

Alan Moloney

Alan Moloney
Deputy Director Purchasing & Contracts

GENERAL NOTES:

- WORK SHOWN HEREON SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION," LATEST EDITION AND SUPPLEMENTS, THE CALIFORNIA BUILDING CODE (EXCAVATION AND GRADING), AND CITY OF LONG BEACH LOCAL ORDINANCES AS APPLICABLE.
- PER OWNER DIRECTION, NO PROJECT-SPECIFIC GEOTECHNICAL RECOMMENDATIONS HAVE BEEN PROVIDED. GEOTECHNICAL RECOMMENDATIONS FOR GRADING AND PAVING HAVE BEEN PROVIDED BASED ON A PREVIOUS GEOTECHNICAL REPORT PROVIDED BY THE OWNER, "REPORT ON GEOTECHNICAL INVESTIGATION SITE OF PROPOSED MUSIC & THEATER BUILDING TO REPLACE EXISTING BUILDINGS G & H LONG BEACH CITY COLLEGE 4901 E CARSON ST LONG BEACH, CALIFORNIA" DATED JANUARY 14, 2020 PREPARED BY SMITH-EMERY LABORATORIES.
- EXISTING TOPOGRAPHY SHOWN HEREON WAS TAKEN FROM A SURVEY DATED JUNE 5, 2018 BY KPFF.
- THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY, AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS.
- PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL JOIN CONDITIONS FOR GRADING, DRAINAGE AND UNDERGROUND FACILITIES INCLUDING LOCATION AND ELEVATION OF EXISTING UNDERGROUND FACILITIES AT CROSSINGS WITH PROPOSED UNDERGROUND FACILITIES. IF CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND SHALL NOT BEGIN CONSTRUCTION UNTIL THE CHANGED CONDITIONS HAVE BEEN EVALUATED.
- ALL DRAWINGS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ARCHITECT.
- THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.
- NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS, WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.
- THE EXISTENCE, LOCATION AND CHARACTERISTICS OF UNDERGROUND UTILITY INFORMATION SHOWN ON THESE PLANS HAVE BEEN OBTAINED FROM A REVIEW OF AVAILABLE RECORD DATA. NO REPRESENTATION IS MADE AS TO THE ACCURACY OR COMPLETENESS OF SAID UTILITY INFORMATION. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
- IF AT ANY TIME DURING GRADING OPERATIONS, ANY UNFAVORABLE GEOLOGICAL CONDITIONS ARE ENCOUNTERED, GRADING IN THAT AREA WILL STOP UNTIL APPROVED CORRECTIVE MEASURES ARE OBTAINED.
- THE PROPOSED GRADE IS THE FINAL GRADE AND NOT THE ROUGH GRADE. THE CONTRACTOR SHALL SUBTRACT THE THICKNESS OF THE PAVED SECTION AND/OR LANDSCAPE TOPSOIL SECTION TO ARRIVE AT THE ROUGH GRADE ELEVATION.
- STRAIGHT GRADE SHALL BE MAINTAINED BETWEEN CONTOUR LINES AND SPOT ELEVATIONS UNLESS OTHERWISE SHOWN ON THE PLANS.
- ALL DEBRIS AND FOREIGN MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT APPROVED DISPOSAL SITES. THE CONTRACTOR SHALL OBTAIN NECESSARY PERMITS FOR THE TRANSPORTATION OF MATERIAL TO AND FROM THE SITE.
- ALL FILL SOILS OR SOILS DISTURBED OR OVEREXCAVATED DURING CONSTRUCTION SHALL BE COMPACTED PER THE REQUIREMENTS OF THE SOILS REPORT BUT NOT LESS THAN 90% MAXIMUM DENSITY AS DETERMINED BY A.S.T.M. SOIL COMPACTION TEST D-1557.
- THE CONTRACTOR SHALL OBTAIN AN O.S.H.A. PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO THE CONSTRUCTION OF TRENCHES OR EXCAVATIONS WHICH ARE FIVE FEET OR DEEPER.
- DIMENSIONS TO PIPELINES ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
- ALL WATER LINES SHALL BE INSTALLED WITH 36" MINIMUM COVER FROM TOP OF PIPE TO FINISHED GRADE, UNLESS OTHERWISE NOTED.
- THRUST BLOCKS SHALL BE INSTALLED AT WATERLINE HORIZONTAL AND VERTICAL BENDS, TEES, CAPPED ENDS AND REDUCERS ACCORDING TO THE DETAILS PROVIDED ON THESE PLANS.
- CONSTRUCTION STAKING FOR IMPROVEMENTS SHOWN ON THESE PLANS SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR. CONSTRUCTION STAKING SURVEYOR SHALL BE RESPONSIBLE FOR COORDINATION OF THESE PLANS WITH SOURCE DRAWINGS PREPARED BY ARCHITECT, LANDSCAPE ARCHITECT, STRUCTURAL ENGINEER, MEP CONSULTANT AND ANY OTHER DISCIPLINE PRIOR TO START OF STAKING AND CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED.
- THE CONTRACTOR SHALL REPLACE ALL EXISTING IMPROVEMENTS DAMAGED DURING CONSTRUCTION TO MATCH EXISTING, INCLUDING PERMANENT TRENCH RESURFACING.
- CONTRACTOR TO CONTACT UNDERGROUND SERVICE ALERT (800-227-2600) PRIOR TO EXCAVATION.
- ALL DIMENSIONS ARE IN FEET OR DECIMALS THEREOF.
- ALL CURB DIMENSIONS AND RADII ARE TO PAVEMENT FACE OF CURB.
- CONTRACTOR TO BE AWARE OF ALL OVERHEAD LINES AT ALL TIMES, SO AS NOT TO DISTURB THEM.
- WATER SHALL BE PROVIDED ONSITE AND USED TO CONTROL DUST DURING CONSTRUCTION OPERATIONS.
- CONTRACTOR SHALL OBTAIN ANY NECESSARY PERMITS FROM THE CITY OF LONG BEACH FOR ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
- STORM DRAINAGE SYSTEMS SHOWN ON THESE PLANS HAVE BEEN DESIGNED FOR THE FINAL SITE CONDITION AT COMPLETION OF THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE OF THE SITE, DURING INTERIM CONDITIONS OF CONSTRUCTION.
- CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS, INCLUDING NPDES, FROM THE APPROPRIATE JURISDICTIONAL AGENCIES FOR DISCHARGE OF GROUNDWATER THAT MAY BE NECESSARY TO ACCOMPLISH EXCAVATIONS SHOWN ON THESE PLANS.
- AT ALL LOCATIONS WHERE NEW PAVING JOINS EXISTING SITE PAVING, CONTRACTOR SHALL VERIFY JOINS IN FIELD. CONTRACTOR SHALL PROVIDE TRANSITION TO EXISTING AT LESS THAN 1/4 INCH BY GRINDING OR FILLING ADJACENT NON-COMPLIANT SLOPE AT ALL JOIN LOCATIONS.

LEGEND:

GENERAL

- CIVIL LIMITS OF WORK
- SHEET MATCH LINE

ANNOTATION

- 100.00 XX SURFACE ELEVATION/UTILITY ELEVATION
- (100.00)XX EXISTING SURFACE ELEVATION/UTILITY ELEVATION
- XX CONSTRUCTION NOTE
- 2.0% FLOW (DIRECTION AND GRADE)
- 2:1 SLOPE (DIRECTION AND RUN-RISE)
- XX HORIZONTAL CONTROL POINT LABEL
- CX CURVE DATA LABEL
- FF=100.00 PAD/FINISHED FLOOR ELEVATION

SITE

- CURB/BACK OF CURB/GUTTER
- RETAINING WALL/SITE WALL
- PROPERTY LINE/RIGHT OF WAY
- CENTER LINE
- FENCE
- TO BE DEMOLISHED

EROSION CONTROL

- SANDBAGS
- PROPOSED BUILDING EXCAVATION OUTLINE
- EXISTING DRAINAGE DIRECTION OF FLOW
- PROTECT TREE IN PLACE

GRADING

- 100 PROPOSED MAJOR CONTOUR
- 102 PROPOSED MINOR CONTOUR
- FLOW LINE
- GB GRADE BREAK LINE
- R RIDGE LINE
- EARTHEN SWALE
- SAWCUT
- GRADING BENCH
- GRADED SLOPE (HORIZONTAL:VERTICAL)

UTILITY

- SANITARY SEWER
- WATER
- DOMESTIC WATER
- FIRE WATER
- STORM DRAIN
- GAS
- ELECTRIC
- TELEPHONE
- PERFORATED PIPE
- POINT OF CONNECTION
- COORDINATION POINT
- CAP OR PLUG
- UTILITY MANHOLE
- UTILITY CLEANOUT
- STORM DRAIN INLET
- AREA DRAIN/PLANTER DRAIN
- TRENCH DRAIN
- FIRE HYDRANT
- THRUST BLOCK
- FIRE DEPARTMENT CONNECTION (FDC)
- POST INDICATOR VALVE (PIV)
- WATER VALVE
- BACKFLOW ASSEMBLY
- UTILITY METER VAULT

ABBREVIATIONS:

| | | | |
|---------------|------------------------------|------|----------------------------|
| AC | ASPHALTIC CONCRETE | MIN. | MINIMUM |
| BCR | BEGIN CURVE RETURN | MH | MANHOLE |
| BW | BACK OF WALK | (N) | NORTH |
| BLDG | BUILDING | NTS | NOT TO SCALE |
| BM | BENCH MARK | PA | PLANTER AREA |
| BOS | BOTTOM OF STAIRS | POC | POINT OF CONNECTION |
| BMP | BEST MANAGEMENT PRACTICES | PIV | POST INDICATOR VALVE |
| CB | CATCH BASIN | PCC | POINT OF COMPOUND CURVE |
| CI | CAST IRON | PRC | POINT OF REVERSE CURVE |
| CJ | CONTROL JOINT | PRV | PRESSURE REDUCING VALVE |
| CL | CENTER LINE | PVC | POLYVINYL CHLORIDE |
| CMU | CONCRETE MASONRY UNIT | R | RADIUS |
| CO | CLEANOUT | RCIP | RECTANGULAR CAST IRON PIPE |
| CONC | PORTLAND CEMENT CONCRETE | RD | ROOF DRAIN |
| CF | CURB FACE | RW | RIGHT-OF-WAY |
| DW | DOMESTIC WATER | (S) | SOUTH |
| (E) | EAST | S= | SLOPE EQUALS |
| ECR | END CURVE RETURN | SD | STORM DRAIN |
| EG | EDGE OF CUTTER | SSMH | SANITARY SEWER MANHOLE |
| EJ | EXPANSION JOINT | SS | SANITARY SEWER |
| EL. OR ELEV. | ELEVATION | STD | STANDARD |
| ELEC | ELECTRIC, ELECTRICAL | SDMH | STORM DRAIN MANHOLE |
| EX. OR EXIST. | EXISTING | TC | TOP OF CURB |
| FDC | FIRE DEPARTMENT CONNECTION | TEL | TELEPHONE |
| FF | FINISHED FLOOR | TG | TOP OF GRATE |
| FG | FINISHED GRADE (LANDSCAPE) | TOS | TOP OF STAIRS |
| FS | FINISHED SURFACE (HARDSCAPE) | TW | TOP OF WALL |
| FH | FIRE HYDRANT | TS | TRAFFIC SIGNAL |
| FL | FLOW LINE | TSB | TRAFFIC SIGNAL BOX |
| FT | FOOT OR FEET | TYP | TYPICAL |
| FU | FIXTURE UNITS | TV | TELEVISION |
| FW | FIRE WATER | VIF | VERIFY IN FIELD |
| GPM | GALLONS PER MINUTE | VL | VAULT |
| GV | GATE VALVE | VCP | VITRIFIED CLAY PIPE |
| HDPE | HIGH DENSITY POLYETHYLENE | (W) | WEST |
| HP | HIGH POINT | W | WATER |
| INV. | INVERT | WM | WATER METER |
| LP | LOW POINT | WV | WATER VALVE |
| MAX. | MAXIMUM | | |

PATTERN LEGEND:

- CONCRETE PAVING (REFER TO SHEET C5.00 FOR DETAILS)
- ASPHALT (REFER TO SHEET C5.00 FOR DETAILS)
- PLANTER AREA/LANDSCAPE (REFER TO LANDSCAPING PLANS FOR DETAILS)
- TRUNCATED DOMES

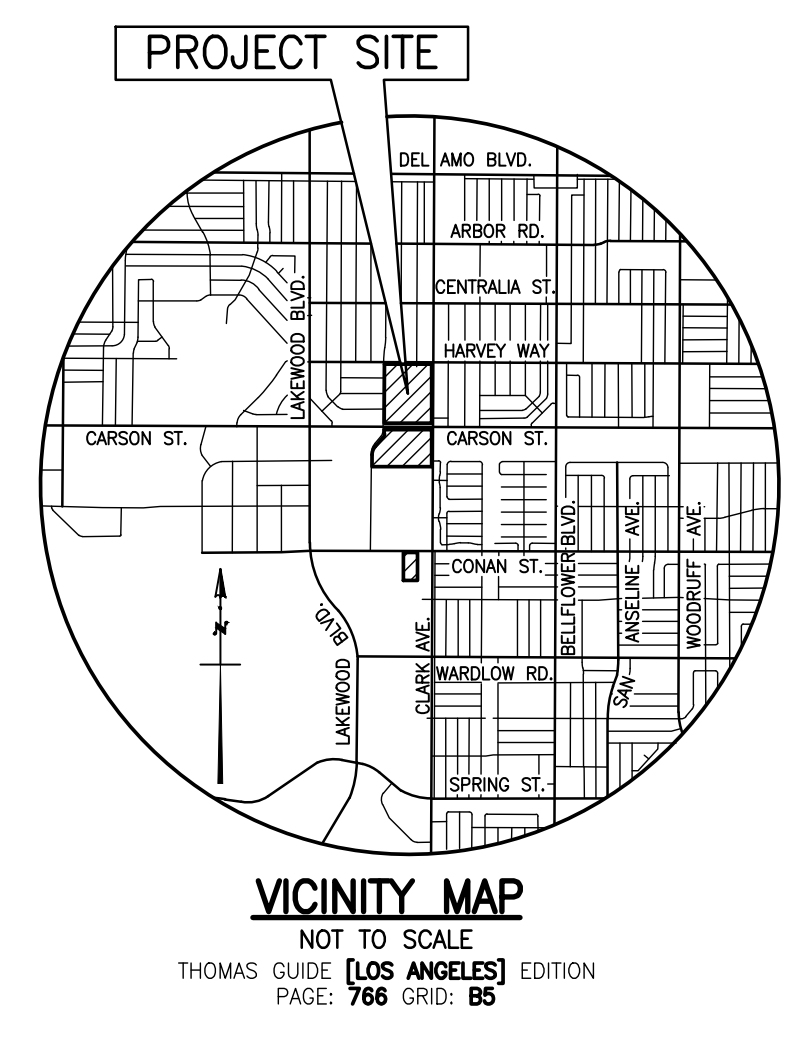
PROJECT DIRECTORY:

ARCHITECT:
DLR GROUP
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SUITE 2200
LOS ANGELES, CA 90017
TEL: 213.809.9400
CONTACT: SHOJI TAKESHIMA

CIVIL ENGINEER:
KPFF CONSULTING ENGINEERS
700 SOUTH FLOWER STREET
SUITE 2100
LOS ANGELES, CA 90017
TEL: 213.418.0201
FAX: 213.266.5294
CONTACT: OSCAR GONZALEZ

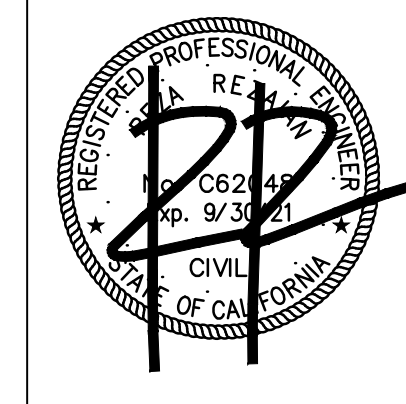
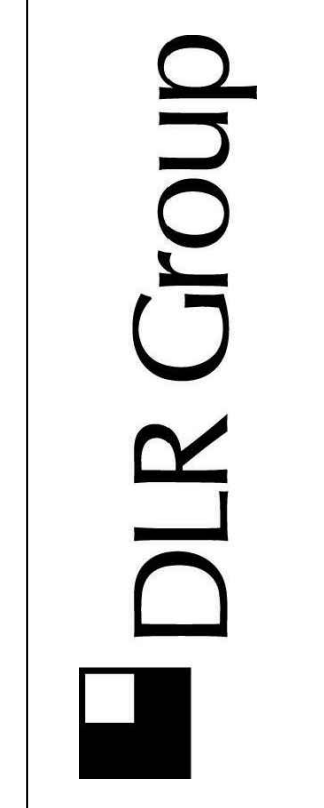
SHEET INDEX:

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1-800-227-2600
CALL USA/SC FOR
UNDERGROUND LOCATING
48 HOURS BEFORE YOU
DIG!

IMPORTANT NOTICE
SECTION 4216/4217 OF THE GOVERNMENT CODE
REQUIRES A DIGALERT IDENTIFICATION NUMBER
BE ISSUED BEFORE A "PERMIT TO EXCAVATE"
WILL BE VALID. FOR YOUR DIGALERT I.D.
NUMBER CALL UNDERGROUND SERVICE ALERT
TOLL FREE 1-800-227-2600 TWO WORKING
DAYS BEFORE YOU DIG



LBCC - LIBERAL ART CAMPUS
BARRIER REMOVAL PROJECT
4901 East Carson St., Long Beach, CA 90808

Issue Date 05.15.20
Revisions
1 Addendum 01 10.16.2020

75-18208-03
TITLE SHEET

C0.01