APPROVED

MAY 17, 2017

BOARD OF RECREATION AND PARK COMMISSIONERS

BOARD REPORT NO. 17-127

DATE May 17, 2017 C.D. 8

BOARD OF RECREATION AND PARK COMMISSIONERS

SUBJECT: ALGIN SUTTON RECREATION CENTER – POOL REPLACEMENT AND BATHHOUSE RENOVATION (PRJ21117) (W.O. #E170293F) PROJECT – DEMOLITION OF THE SWIMMING POOL; CATEGORICAL EXEMPTION FROM THE CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) PURSUANT TO ARTICLE III, SECTION 1, CLASS 1 CATEGORIES 11 (D) AND 12 [DEMOLITION OF EXISTING STRUCTURES AND NEW OUTDOOR LIGHTING AND FENCING WITH NO EXPANSION USE], CLASS 3, CATEGORIES 6 AND 8 [NEW CONSTRUCTION OF SMALL STRUCTURES AND UTILITIES], CLASS 4 [MINOR ALTERATIONS TO LAND], AND CLASS 11 CATEGORIES 3 AND 6 [CONSTRUCTION OR PLACEMENT OF ACCESSORY STRUCTURES] OF THE CITY CEQA GUIDELINES

AP Diaz		V. Israel	
*R. Barajas	CSD f	N. Williams	
H. Fujita			

General Manager

Approved ✓ Disapproved _____ Withdrawn _____

RECOMMENDATIONS

1. Authorize the demolition of the Algin Sutton Recreation Center swimming pool, and approve the demolition plans substantially in the form on file in the Board Office; and,

2. Find that the proposed Algin Sutton Recreation Center – Pool Replacement and Bathhouse Renovation (PRJ21117) (W.O. #E170293F) Project (Project) is categorically exempt from the California Environmental Quality Act (CEQA), and direct Department of Public Works, Bureau of Engineering (BOE) staff to file a Notice of Exemption.

SUMMARY

The Algin Sutton Pool is located at 8800 South Hoover Street in the South Los Angeles area of the City. This 16.46-acre facility provides a variety of services and programs to the community, and includes baseball diamonds, a children's play area, a swimming pool, basketball courts and a recreation center. Approximately eleven thousand, three hundred fifty (11,350) residents live within a one-half (1/2) mile walking distance of this park. Due to the size of the park, and the facilities, features, and programs it provides, Algin Sutton Recreation Center meets the standard for a Community Park, as defined in the City's Public Recreation Plan.

The existing pool and bathhouse are located on the northeast area of the Algin Sutton Recreation Center. The Project proposes to replace the swimming pool and renovate the existing bathhouse. At the request of Eighth Council District Office (CD 8) to fast track the Project delivery, the demolition of the swimming pool is proposed to proceed while the plans and specifications are being finalized for the new swimming pool and bathhouse renovation.

As required by Proposition K, the Project was presented to the community. Three (3) Local Voluntary Neighborhood Oversight Committee (LVNOC) meetings were conducted. In addition to the seven (7) LVNOC members in attendance at each of the LVNOC meetings, approximately eight (8) residents and park users also attended each meeting. The community, the LVNOC, and CD 8 are in full support of the Project.

The plans and specifications for demolition work were prepared by Lehrer Architects under the direction of the Bureau of Engineering (BOE) Architectural Division.

The demolition scope of work includes the following:

1. Demolition of the existing 7,500 square-foot swimming pool and pool deck
2. Demolition of the existing tubular fence
3. Demolition of an existing steel shade structure
4. Demolition of existing underground utilities
5. Excavation, backfill and certified re-compaction of the site, to have it ready for the construction of the new pool

After review of the demolition plans and specifications by the RAP and BOE, it was determined that demolition of the existing pool, and related excavation and re-compaction for the new pool can be performed by RAP's on-call contractors.

Once the plans and specifications for the new pool and the renovation of the pool building are completed, the finalized documents will be submitted to the Board requesting approval of the final plans and specifications and requesting authority to advertise the Project for bid.

Sufficient funds are available for the demolition project and the project contingency from the following account:

FUNDING SOURCE	FUND/DEPT./ACCT. NO.
RAP Capital Improvement Funds	205/88/88NMAN

ENVIRONMENTAL IMPACT STATEMENT

The proposed Algin Sutton Pool and Bathhouse Replacement Project consists of demolition of the existing pool and bathhouse and installation of new outdoor lighting and fencing, both of which involve negligible or no expansion of use beyond that exists at the time of the City's determination; construction of a new pool and bathhouse and associated utilities, and minor alterations to land for excavation and grading. Therefore, RAP staff recommends that the Board

determine that the proposed Project is categorically exempt pursuant to Article III, Section 1, Class 1 Categories 11 (d) and 12, Class 3 Categories 6 and 8, Class 4 and Class 11 Categories 3 and 6 (addition of minor accessory structures) of the City of Los Angeles CEQA Guidelines. A Notice of Exemption will be filed with the Los Angeles County Clerk upon approval by the Board.

TREE AND SHADE STATEMENT

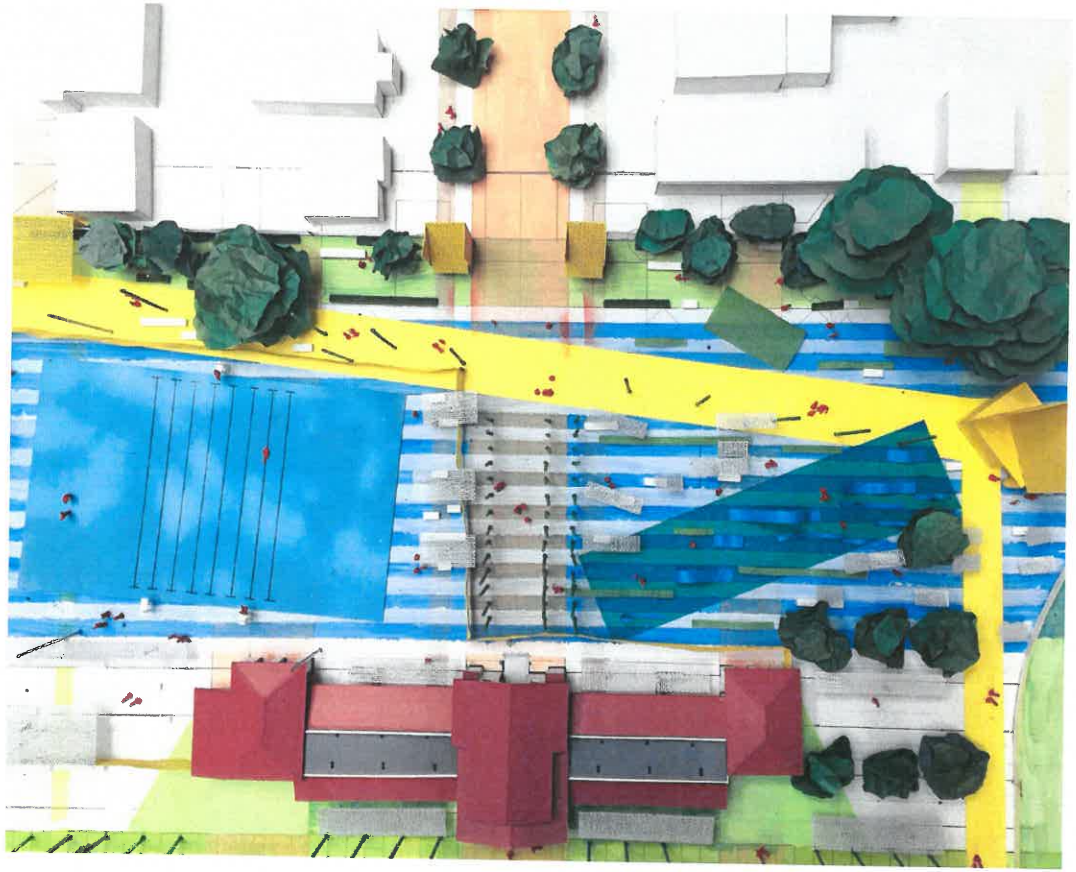
Trees and shade structure will be implemented as a part of the new construction for the pool and pool building renovations. No trees will be removed during the demolition activities.

FISCAL IMPACT STATEMENT

The proposed demolition is fully funded by RAP Capital Improvement funds. When complete, the site will be ready for construction of the new pool, splash pad, and pool pump room; pool building renovation, addition of a new pump room for the splash pad, and a new bathroom renovation of pool building bathroom facility. Therefore, approval of the plans has no impact to RAP's General Fund.

Operational and maintenance costs associated with the new pool and renovated pool building will be discussed at the time that project is brought to the Board for authority to call for bids; however, it is anticipated that future operation and maintenance costs of the facility should be reduced, as it will be a modern and new facility, designed in accordance with the needs and recommendations of RAP, including Aquatics and Maintenance staff input.

This Report was prepared by Alex Ngo, Project Manager, BOE Architectural Division. Reviewed by Neil Drucker, Mahmood Karimzadeh, Program Manager, BOE Architectural Division; Deborah Weintraub, BOE, Chief Deputy City Engineer; and Cathie Santo Domingo, Superintendent, Planning, Maintenance and Construction Branch.



PHYSICAL MODEL

GENERAL

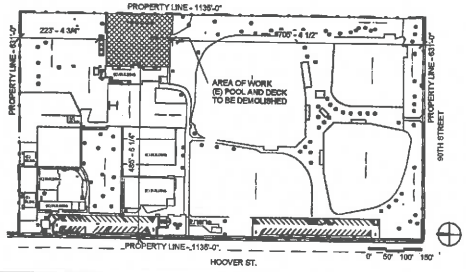
GD-0.0 COVER SHEET

CIVIL

CD001 GENERAL AND GEOTECHNICAL NOTES
CD002 SOILS REPORT APPROVAL LETTER ATTACHMENT "A"
CD003 LEGEND AND ABBREVIATIONS, SURVEY INFORMATION
CD004 GRADING PRE-INSPECTION REPORT

CD101 DEMOLITION PLAN
CD102 DEMOLITION PLAN
CD103 UTILITY DEMOLITION PLAN
CD104 UTILITY DEMOLITION PLAN
CD105 ROUGH GRADING PLAN
CD106 ROUGH GRADING PLAN
CD107 ROUGH GRADING SECTION
CD108 ROUGH GRADING SECTION
CD109 ROUGH GRADING SECTION
CD110 UTILITY PLAN
CD111 UTILITY PLAN
CD112 EROSION CONTROL PLAN
CD113 EROSION CONTROL PLAN
CD114 EROSION CONTROL DETAILS
CD115 EROSION CONTROL DETAILS
CD116 MISCELLANEOUS DETAILS
CD117 MISCELLANEOUS DETAILS

SHEET INDEX



PLOT PLAN

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4th Floor
Los Angeles, CA 90015
Contact: Michael Shull, General Manager

ARCHITECTURAL DIVISION
PROJECT MANAGEMENT
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18425 Burbank Blvd
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Tarzana, CA 91356
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Contact: Helen Williams
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CONSTRUCTIBILITY REVIEW
Hazard Frankel Architects
610 South Main Street, PH219
Los Angeles, CA 90014
Contact: Ella Hazard
e-mail: ella@hfala.com

PROJECT TEAM

LEGAL DESCRIPTION

Lot Area:	104,154.5 SF, 104,157 SF, 104,167.4 SF 104,178.9 SF, 104,564.7 SF, 104,183.4 SF, 91,561.2 SF
PIN Number:	096A201 80, 096A201 119, 096A201 137, 096A201 174, 096A201 217, 096A201 222, 096A201 255
Assessor Parcel Number (APN):	5735-007-025, 6033-013-900
Thomas Brothers Grid:	Page 704 - Grid G3
Map Reference:	M B 5-119/120
Tract:	SUNNY SIDE
Block:	None
Lot:	17, 24, 28, 32, 33, 34, FR37
Zoning:	OS-1XL
Map Sheet:	096A201

DESCRIPTION OF WORK

DEMOLITION OF THE (E) POOL, SURROUNDING POOL DECK, FENCING, AND ADJACENT SHADE STRUCTURE. DEMOLITION OF THE (E) PARKING AREA IN REAR OF THE POOL.

Occupancy: A3
Type of Construction: Type IIIB - Sprinklered
Number of Stories: One

APPLICABLE CODES

2013 California Building Code, Based on the 2012 International Building Code (IBC) with LA City Amendments

2013 California Electrical Code, Based on the 2011 National Electrical Code, with LA City Amendments

2013 California Mechanical Code, Based on the 2012 Uniform Mechanical Code, with LA City Amendments

2013 California Plumbing Code, Based on the 2012 Uniform Plumbing Code, With LA City Amendments

PROJECT VICINITY MAP

LEHRER ARCHITECTS LA
Mailing Address: 2140 Hyperion Ave, Los Angeles, CA 90027
2140 Hyperion Ave, Los Angeles, CA 90027
ph: 323.664.4747 fax: 323.664.3546 lehrerarchitects.com

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
GARY LEE MOORE, P.E.
CITY ENGINEER

NO.	REVISION DESCRIPTION	DATE	BY
1	100% SCHEMATIC DESIGN	04/15/16	
2	PLAN CHECK SUBMITTAL	10/20/16	
3	PLAN CHECK SET	01/20/17	
4	BID SET	02/03/17	
5			
6			
7			

INDEX NO. RP_300092
BUILDING NO. -

ENGINEERING
CITY OF LOS ANGELES

ACCEPTED BY:
DEPUTY CITY ENGINEER / PROGRAM MANAGER
DATE:
CITY ENGINEER

CITY OF LOS ANGELES
CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: MICHAEL A. SHULL
SHEET TITLE: Cover Sheet
PROJECT: Algin Sutton Pool Replacement Project
ADDRESS: 8800 S HOOVER ST, LOS ANGELES, CA 90044

WORK ORDER NO: E170283D
PLAN FILE NO.
DRAWING NO. GD-0.0
SHEET 0 OF SHEETS

BID SET
PROJECT ISSUE DATE: 02.03.17

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TTLS TEMPLATE REVISION DATE: 06/30/2016
SHEET REVISE DATE: 09/19/16
FILE PATH: C:\Users\erik\Documents\1503_Algin_Sutton_Pool_erik@lehrerarchitects.com.rvt

PLOTTED: 1/30/2017 10:01:38 AM

GENERAL NOTES:

1. ALL WORK PERFORMED IN THIS CONTRACT SHALL CONFORM TO:
   - A. PROJECT SPECIFICATIONS.
   - B. ALL SHALL CONFORM TO THE LATEST EDITION AND SUPPLEMENTS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC) AND AMERICAN PUBLIC WORKS ASSOCIATION (APWA).
   - C. CITY OF LOS ANGELES STANDARD PLANS AND SPECIFICATIONS.
   - D. PROJECT GEOTECHNICAL REPORT.
2. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE WORK SPECIFIED ON THE DRAWINGS AND WITHIN THE VARIOUS NOTES SHOWN HEREIN.
3. THE EXISTING CONDITIONS SHOWN DIAGRAMMATICALLY ON THE PLANS ORIGINATED FROM AS BUILT DRAWINGS AND FIELD SURVEY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE JOB SITE AND VERIFY THE EXACT EXISTING CONDITIONS UNLESS CONCEALED BEFORE SUBMITTING HIS BID. ANY DISCREPANCY SHALL BE REPORTED IMMEDIATELY TO THE CITY ENGINEER USING THE PROPER REQUEST FOR INFORMATION FORMS PRIOR TO SUBMITTING HIS BID FOR PROPER ACTION.
4. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES IN THE AREA OF WORK WHICH ARE NOT INCLUDED IN THIS CONSTRUCTION. ANY DAMAGE RESULTING FROM THIS WORK SHALL BE REPAIRED AND/OR REPLACED AT NO ADDITIONAL COST TO THE CITY.
5. UNDERGROUND SERVICE ALERT:

   BEFORE COMMENCING ANY EXCAVATION, THE CONTRACTOR SHALL OBTAIN AN UNDERGROUND SERVICE ALERT INQUIRY I.D. NUMBER BY CALLING 1-800-422-4133. TWO (2) WORKING DAYS SHALL BE ALLOWED AFTER THE I.D. NUMBER IS OBTAINED AND BEFORE THE EXCAVATION WORK IS STARTED THAT UTILITY OWNERS CAN BE NOTIFIED.
6. PROTECTION AND RESTORATION OF EXISTING IMPROVEMENTS:

   THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF PUBLIC AND PRIVATE PROPERTY ADJACENT TO THE WORK PER SECTION 7-9 OF THE STANDARD SPECIFICATIONS.
7. REMOVALS:

   EXISTING STRUCTURES AND SUBSTRUCTURES WHICH ARE INDICATED TO BE REMOVED IN THIS CONSTRUCTION DOCUMENTS SHALL BE TOTALLY REMOVED AND DISPOSED OF OFFSITE, UNLESS OTHERWISE INDICATED. EXISTING FACILITIES WHICH ARE DISCOVERED DURING CONSTRUCTION (INCLUDING WALLS, FOOTINGS AND FOUNDATIONS) SHALL BE REPORTED TO AND COORDINATED WITH THE CITY ENGINEER AS TO THEIR REMOVAL. CONTRACTOR WILL NOTIFY THE CITY IN WRITING PRIOR TO COMMENCING THE WORK.
8. ALL SITE PREPARATION AS INDICATED SHALL BE MADE UNDER THE CONTINUOUS INSPECTION OF THE CITY ENGINEER AUTHORIZED REPRESENTATIVE. SECURE THE REQUIRED PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY FOR THE CONSTRUCTION OF TRENCHES, SHORING OR EXCAVATIONS WHICH ARE 5 FEET OR DEEPER OR WORK THAT MAY JEOPARDIZE THE WORKERS. SHORING CALCULATIONS SHALL BE PROVIDED AS REQUIRED FOR APPROVAL AND PERMITTING.
9. THE CONTRACTOR SHALL KEEP THE CONSTRUCTION AREA SUFFICIENTLY DAMPENED TO CONTROL DUST CAUSED BY WORK ACTIVITIES AS REQUIRED BY THE CITY ENGINEER AND OTHER JURISDICTIONAL AGENCIES.
10. ALL WORK IN THE PUBLIC RIGHT OF WAY REQUIRES APPROVAL BY THE CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS / TRAFFIC AND TRANSPORTATION DEPARTMENTS. CONTRACTOR SHALL SECURE AND PAY FOR ANY PERMIT INCLUDING UTILITY CONNECTIONS REQUIRED PRIOR TO CONSTRUCTION.
11. ALL FILL OR BACKFILL SHALL BE COMPACTED AS SPECIFIED IN THE GEOTECHICAL REPORT.
12. CONSTRUCTION STAKING AND ADJUSTMENTS FOR IMPROVEMENTS SHOWN ON THESE PLANS SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR PAID FOR BY THE CONTRACTOR AND INCLUDED IN THE CONTRACT.
13. VOIDS RESULTING FROM REMOVAL WORK SHALL BE FILLED WITH SUITABLE MATERIALS APPROVED BY THE CITY ENGINEER AND COMPACTED TO 95% MAXIMUM DENSITY PER ASTM D-1557.
14. ANY ADDITIONAL SURVEYS OR TESTING AS A RESULT OF CONTRACTOR ERROR OR MISINFORMATION WILL BE CHARGED TO THE CONTRACTOR.
15. CONSTRUCT OFFSITE WORK TO COMPLY WITH THE REQUIREMENTS OF THE LOCAL GOVERNING AGENCY. SECURE AND PAY FOR ALL REQUIRED CONSTRUCTION PERMITS.
16. IF EXISTING UTILITIES ARE EXPOSED OR DETERMINED TO EXIST UNDER THE ROUGH GRADING SITE, CONTRACTOR SHALL PROVIDE A FLAGGED STAKE THAT INDICATES THEIR LOCATION, TYPE OF UTILITY, SIZE, PIPE MATERIAL AND DEPTH. STAKES SHALL BE INSTALLED NO LESS THAN 50' ON CENTER ON STRAIGHT LINES AND AT BENDS.
17. UNCLOG, CLEAN AND FLUSH THE WORK AREA DRAINAGE SYSTEM AFTER PAVING AND IMMEDIATELY BEFORE A RAIN FORECAST.
18. ALL GRADING AND CONSTRUCTION ACTIVITIES SHALL COMPLY WITH THE CITY OF LOS ANGELES PUBLIC WORKS, THAT CONTROLS AND RESTRICTS NOISE FROM THE USE OF CONSTRUCTION AND GRADING EQUIPMENT FROM THE HOURS OF 5:00PM TO 7:00AM, AND ON SUNDAYS AND HOLIDAYS. (MORE RESTRICTIVE CONSTRUCTION ACTIVITY TIMES MAY GOVERN, AS REQUIRED BY THE DEPARTMENT OF REGIONAL PLANNING AND SHOULD BE SHOWN ON THE GRADING PLANS WHEN APPLICABLE.)
19. CALIFORNIA PUBLIC RESOURCES CODE (SECTION 5097.98) AND HEALTH AND SAFETY CODE (SECTION 7050.5) ADDRESS THE DISCOVERY AND DISPOSITION OF HUMAN REMAINS. IN THE EVENT OF DISCOVERY OR RECOGNITION OF ANY HUMAN REMAINS IN ANY LOCATION OTHER THAN A DEDICATED CEMETERY, THE LAW REQUIRES THAT GRADING IMMEDIATELY STOPS AND NO FURTHER EXCAVATION OF DISTURBANCE OF THE SITE, OR ANY NEARBY AREA WHERE HUMAN REMAINS MAY BE LOCATED, OCCUR UNTIL THE FOLLOWING MEASURES HAVE BEEN TAKEN:
    - A. INFORM THE CITY ENGINEER
    - B. THE COUNTY CORONER HAS BEEN INFORMED AND HAS DETERMINED THAT NO INVESTIGATION OF THE CAUSE OF DEATH IS REQUIRED AND,
    - C. IF THE REMAINS ARE OF NATIVE AMERICAN ORIGIN, THE DESCENDANTS FROM THE DECEASED NATIVE AMERICANS HAVE MADE A RECOMMENDATION FOR THE MEANS OF TREATING OR DISPOSING, WITH APPROPRIATE DIGNITY, OF THE HUMAN REMAINS AND ANY ASSOCIATED GRAVE GOODS.
20. ALL EXPORT OF MATERIAL FROM THE SITE MUST GO TO A PERMITTED SITE APPROVED BY THE CITY ENGINEER. RECEIPTS FOR ACCEPTANCE OF EXCESS MATERIAL BY A DUMPSITE ARE REQUIRED AND MUST BE PROVIDED TO THE CITY ENGINEER UPON REQUEST.
21. SITE BOUNDARIES, EASEMENTS, DRAINAGE DEVICES, RESTRICTED USE AREAS SHALL BE LOCATED PER CONSTRUCTION STAKING BY A LICENSED SURVEYOR. PRIOR TO ANY DEMOLITION ACTIVITITES, ALL PROPERTY LINES, EASEMENTS, AND RESTRICTED USE AREAS SHALL BE STAKED.
22. 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.
23. CONTRACTOR SHALL SECURE AND PAY FOR TEMPORARY POWER AND WATER TO BE USED FOR HIS/HER MEANS AND METHOD OF CONSTRUCTION.

GENERAL NOTES (cont):

24. CHAINS AND SWING SEATS IN THE CONTRACTOR WORK AREA SHALL BE CAREFULLY REMOVED AND STORED FOR PICK-UP BY RECREATION AND PARKS REPRESENTATIVE IF STILL ON-SITE AT THE BEGINNING OF DEMOLITION WORK.
25. CONTRACTOR SHALL INSTALL TEMPORARY FENCING AROUND THE PERIMETER OF THE CONSTRUCTION SITE AND STAGING AREA. FENCING SHALL BE MINIMUM 10 FEET TALL AND SHALL HAVE A DUST/VISION BARRIER ALONG THE FULL LENGTH. THE DUST/VISION BARRIER SHALL EXTEND THE LENGTH OF THE CONSTRUCTION SITE. THE FENCING SHALL BE ANCHORED TO THE SURFACE AND SHALL BE ABLE TO WITHSTAND A 200-POUND HORIZONTAL POINT LOAD IN ANY DIRECTION. TEMPORARY FENCING POLES AND GATES POST SHALL BE DRIVEN INTO THE GROUND. FENCE STANDS WILL NOT BE ALLOWED. WORK AREA AND STAGING AREA SHALL BE SECURE AT ALL TIMES.
26. CONSTRUCTION FENCE AS DESCRIBED ON SHEET CD101, CONSTRUCTION NOTE NO. 12, AND ABOVE, IS PART OF THE WORK AND SHALL REMAIN IN PLACE THROUGHOUT THE DEMOLITION AND CONSTRUCTION PHASES OF THE PROJECT. THE DEMOLITION CONTRACTOR SHALL PROVIDED MAINTENANCE WHILE ACTIVELY ON-SITE AND FURTHER BE MAINTAINED THRU JANUARY 1, 2015 OR UNTIL THE POOL GENERAL CONTRACTOR TAKES POSSESSION OF THE SITE. THE GENERAL CONTRACTOR SHALL INHERIT RESPONSIBILITY FOR THE CONSTRUCTION FENCE INCLUDING MAINTENANCE AND REMOVAL THROUGHOUT THE CONSTRUCTION PHASE OF THE PROJECT.
27. AT THE CONTRACTOR'S EXPENSE, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE THE CITY ENGINEER WITH A COMPLETE SET OF REPRODUCIBLE "AS-BUILT" DRAWINGS OF ALL WORK PERFORMED UNDER THIS CONTRACT, AS SHOWN WITHIN THESE CONSTRUCTION DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RE-SURVEYING OF THE SITE ONCE ALL TASK/OPERATIONS ARE COMPLETED TO THE SATISFACTION OF THE IOR. ALL FIELD CHANGES SHALL BE SHOWN IN DETAIL ON THE "AS-BUILT" DRAWINGS. THE CONTRACTOR SHALL PROVIDE THE CITY WITH AN ELECTRONIC FILE OF THE RE-SURVEYED AREA USING THE LATEST CAD SOFTWARE. THE SURVEY SHALL BE PERFORMED BY A CA LICENSED SURVEYOR USING THE BENCHMARK AND BASIS OF BEARING INFORMATION THAT ARE FOUND WITHIN THESE CONTRACT DOCUMENTS. THE SURVEY SHALL INCLUDE THE EXACT LOCATION OF THE SHORING WALL SYSTEM.
28. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, DURING THE COURSE OF DEMOLITION. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY, AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS.

GENERAL GEOTECHNICAL NOTES:

1. ALL WORK MUST BE IN COMPLIANCE WITH THE RECOMMENDATIONS INCLUDED IN THE GEOTECHNICAL REPORT(S) AND THE APPROVED GRADING PLANS AND SPECIFICATIONS.
2. SITE GEOTECHNICAL INVESTIGATIONS AND REPORT WAS PREPARED BY IRVINE GEOTECHNICAL, INC., TITLED "GEOTECHNICAL ENGINEERING EXPLORATION PROPOSED POOL, PUMP HOUSE AND PARKING, LOTS 24 AND 25, SUNNYSIDE TRACT, 8800 HOOVER STREET, LOS ANGELES, CALIFORNIA," DATED AUGUST 25, 2016. RECOMMENDATION OF THE SOIL'S REPORT ARE PART OF THIS NOTE AND SHALL BE PERFORMED BY THE CONTRACTOR AS APPLICABLE.
3. THE GEOTECHNICAL ENGINEER IS TO APPROVE THE KEY OR BOTTOM OF EXCAVATION AND LEAVE A CERTIFICATE ON THE SITE FOR THE BUILDING AND SAFETY INSPECTOR. THE CITY ENGINEER IS TO BE NOTIFIED BEFORE ANY GRADING BEGINS AND FOR BOTTOM INSPECTION BEFORE FILL IS PLACED. FILL MAY NOT BE PLACED WITHOUT APPROVAL OF THE CITY ENGINEER.
4. GRADING OPERATIONS MUST BE CONDUCTED UNDER CONTINUOUS INSPECTIONS BY THE GEOTECHNICAL CONSULTANTS.
5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN A SAFE CONSTRUCTION SITE. WHEN EXCAVATIONS EXIST ON A SITE, THE AREA SHOULD BE FENCED AND WARNING SIGNS POSTED. SOIL GENERATED BY FOUNDATION AND SUBGRADE EXCAVATIONS SHOULD BE EITHER REMOVED FROM THE SITE OR PROPERLY PLACED AS A CERTIFIED COMPACTED FILL. SOIL MUST NOT BE SPILLED OVER ANY DESCENDING SLOPE. WORKERS SHOULD NOT BE ALLOWED TO ENTER ANY UNSHORED TRENCH EXCAVATIONS OVER FIVE FEET DEEP.
6. IRVINE GEOTECHNICAL REQUIRES AT LEAST A 24 HOUR NOTICE PRIOR TO ANY REQUIRED SITE VISITS. THE APPROVED PLANS AND BUILDING/GRADING PERMITS SHOULD BE ON THE JOB AND AVAILABLE TO THE PROJECT CONSULTANT.

FILL MATERIALS AND GRADING NOTES:

1. SURFICIAL MATERIALS CONSISTING OF FILL ARE PRESENT ON THE SITE. REMEDIAL GRADING IS RECOMMENDED TO IMPROVE SITE CONDITIONS FOR SUPPORT OF AT-GRADE FOUNDATIONS, SLABS, AND PAVEMENTS.
2. THE SITE SHOULD BE PREPARED TO RECEIVE COMPACTED FILL BY REMOVING ALL VEGETATION, DEBRIS, EXISTING FILL, AND DISTURBED SOILS. THE EXPOSED EXCAVATED AREA SHOULD BE OBSERVED BY THE SOILS ENGINEER PRIOR TO PLACING COMPACTED FILL.
3. THE EXPOSED GRADE SHOULD BE SCARIFIED TO A DEPTH OF SIX INCHES, MOISTENED TO OPTIMUM MOISTURE CONTENT, AND RECOMPACTED TO 95 PERCENT OF THE MAXIMUM DENSITY.
4. IF THE FILL IS INTENDED FOR STRUCTURAL SUPPORT OF FOUNDATIONS, THE PROPOSED BUILDING SITE SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 3 FEET BELOW THE BOTTOM OF ALL FOOTINGS. THE EXCAVATION SHALL EXTEND A MINIMUM OF FIVE FEET BEYOND THE BUILDING FOOTPRINT. OTHERWISE, THE DEPTH OF REMOVALS MAY BE LIMITED TO THE THICKNESS OF THE FILL. THE EXCAVATED AREAS SHALL BE OBSERVED BY THE SOILS ENGINEER PRIOR TO PLACING COMPACTED FILL.
5. FILL, CONSISTING OF SOIL APPROVED BY THE SOILS ENGINEER, SHALL BE PLACED IN HORIZONTAL LIFTS AND COMPACTED IN SIX INCH LAYERS WITH SUITABLE COMPACTION EQUIPMENT. THE EXCAVATED ONSITE MATERIALS ARE CONSIDERED SATISFACTORY FOR REUSE IN THE CONTROLLED FILLS. ANY IMPORTED FILL SHALL BE OBSERVED BY THE SOILS ENGINEER PRIOR TO USE IN FILL AREAS. ROCKS LARGER THAN SIX INCHES IN DIAMETER SHALL NOT BE USED IN THE FILL.
6. THE FILL SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF THE MAXIMUM LABORATORY DENSITY FOR THE MATERIAL USED. WHERE COHESIONLESS SOIL (LESS THAN 15 PERCENT FINER THAN 0.005 MILLIMETERS) IS USED FOR FILL, IT SHALL BE COMPACTED TO A MINIMUM OF 95 PERCENT RELATIVE COMPACTION. THE FILL SHOULD BE PLACED AT A MOISTURE CONTENT THAT IS AT OR WITHIN 3 PERCENT OVER OPTIMUM. THE MAXIMUM DENSITY AND OPTIMUM MOISTURE CONTENT SHALL BE DETERMINED BY ASTM D 1557-12 OR EQUIVALENT.
7. FIELD OBSERVATION AND TESTING SHALL BE PERFORMED BY THE SOILS ENGINEER DURING GRADING TO ASSIST THE CONTRACTOR IN OBTAINING THE REQUIRED DEGREE OF COMPACTION AND THE PROPER MOISTURE CONTENT. WHERE COMPACTION IS LESS THAN REQUIRED,ADDITIONAL COMPACTIVE EFFORT SHALL BE MADE WITH ADJUSTMENT OF THE MOISTURE CONTENT, AS NECESSARY, UNTIL 95 PERCENT COMPACTION IS OBTAINED. ONE COMPACTION TEST IS REQUIRED FOR EACH 500 CUBIC YARDS OR TWO VERTICAL FEET OF FILL PLACED.

SHORING NOTES

1. TEMPORARY SHORING SHOULD BE DESIGNED FOR AN EQUIVALENT FLUID PRESSURE OF 30 POUNDS PER CUBIC FOOT PER THE ENCLOSED CALCULATIONS. SHORING MAY CONSIST OF CAST-IN-PLACE CONCRETE PILES WITH WOOD LAGGING. SHORING PILES SHOULD BE A MINIMUM OF 12 INCHES IN DIAMETER AND A MINIMUM OF 6 FEET INTO ALLUVIUM BELOW THE BASE OF THE EXCAVATION. PILES MAY BE ASSUMED FIXED 3 FEET INTO ALLUVIUM BELOW THE BASE OF THE EXCAVATION.
2. FOR THE VERTICAL FORCES, PILES MAY BE DESIGNED FOR A SKIN FRICTION OF 250 POUNDS PER SQUARE FOOT FOR THAT PORTION OF PILE IN CONTACT WITH THE ALLUVIUM.
3. SOLDIER PILES SHOULD BE SPACED A MAXIMUM OF 10 FEET ON CENTER.
4. THE FRICTION VALUE IS FOR THE TOTAL OF DEAD AND FREQUENTLY APPLIED LIVE LOADS AND MAY BE INCREASED BY ONE THIRD FOR SHORT DURATION LOADING, WHICH INCLUDES THE EFFECTS OF WIND OR SEISMIC FORCES. RESISTANCE TO LATERAL LOADING MAY BE PROVIDED BY PASSIVE EARTH PRESSURE WITHIN THE TERRACE BELOW THE BASE OF THE EXCAVATION.
5. PASSIVE EARTH PRESSURE MAY BE COMPUTED AS AN EQUIVALENT FLUID HAVING A DENSITY OF 250 POUNDS PER CUBIC FOOT. THE MAXIMUM ALLOWABLE EARTH PRESSURE IS 3,500 POUNDS PER SQUARE FOR DESIGN OF ISOLATED PILES, THE ALLOWABLE PASSIVE AND MAXIMUM EARTH PRESSURES MAY BE INCREASED BY 100 PERCENT. PILES SPACED MORE THAN 2½ PILE DIAMETERS ON CENTER MAY BE CONSIDERED ISOLATED.

LAGGING

6. LAGGING IS REQUIRED BETWEEN SHORING PILES. HOWEVER, DUE TO BRIDGING BETWEEN PILES, THE PRESSURE ON LAGGING IS LESS THAN ON THE SOLDIER PILES. THE LAGGING SHOULD BE DESIGNED FOR THE RECOMMENDED SOIL PRESSURE UP TO A MAXIMUM PRESSURE OF 400 POUNDS PER SQUARE FOOT.
7. LAGGING MAY BE PLACED IN LIFTS OF SUCH THAT NO MORE THAN 2 VERTICAL OF EARTH IS EXPOSED.

DEAD MAN

8. RAKER BRACES AND DEAD MEN MAY BE USED TO RESTRAIN THE SHORING. A BEARING VALUE OF 3,500 PSF MAY BE ASSUMED FOR DEAD MEN FOOTINGS. A COEFFICIENT OF SLIDING FRICTION OF 0.30 MAY BE ASSUMED ALONG THE BASE OF THE FOOTING. PASSIVE PRESSURE MAY BE ASSUMED TO BE 250 PCF.

DEFLECTION MONITORING

9. SOME DEFLECTION IS EXPECTED FOR A WELL DESIGNED AND CONSTRUCTED SHORING SYSTEM. IT IS RECOMMENDED THAT THE DEFLECTION BE LIMITED TO ½ INCH OR LESS. PRIOR TO CONSTRUCTION AND EXCAVATION, IT IS RECOMMENDED THAT THE EXISTING CONDITIONS ALONG THE PROPERTY LINE BE DOCUMENTED AND SURVEYED.
10. DOCUMENTATION SHOULD INCLUDE PHOTOGRAPHS AND DESCRIPTIONS OF THE OFFSITE STRUCTURES AND CONDITIONS. SURVEY MONUMENTS SHOULD BE AFFIXED TO REPRESENTATIVE STRUCTURES AND TO POINTS ALONG THE PROPERTY LINE AND OFFSITE. THE SURVEY POINTS SHOULD BE MEASURED PRIOR TO CONSTRUCTION TO FORM A BASELINE FOR DETERMINING SETTLEMENT OR DEFORMATION.
11. UPON INSTALLATION OF THE SOLDIER PILES, SURVEY MONUMENTS SHOULD BE AFFIXED TO THE TOPS OF REPRESENTATIVE PILES SO THAT DEFLECTION CAN BE MEASURED.
12. THE SHORED EXCAVATION AND OFFSITE STRUCTURES SHOULD BE VISUALLY INSPECTED EVERY DAY.
13. SURVEY MONUMENTS SHOULD BE MEASURED ONCE A MONTH DURING THE CONSTRUCTION PROCESS. SHOULD THE SURVEYS REVEAL OFFSITE DEFORMATION OR EXCESSIVE DEFLECTION OF THE SHORING SYSTEM, THE SHORING ENGINEER AND GEOTECHNICAL ENGINEER SHOULD BE NOTIFIED.
14. EXCESSIVE DEFLECTION MAY REQUIRE ADDITIONAL ANCHORS, POST-GROUTING AND RE-TENSIONING OR INTERNAL BRACING TO RESTRAIN THE SHORING SYSTEM.
15. A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER SHOULD BE PRESENT DURING GRADING TO SEE TEMPORARY SLOPES.
16. ALL EXCAVATIONS SHOULD BE STABILIZED WITHIN 30 DAYS OF INITIAL EXCAVATION.
17. WATER SHOULD NOT BE ALLOWED TO POND ON TOP OF THE EXCAVATIONS NOR TO FLOW TOWARD THEM.
18. NO VEHICULAR SURCHARGE SHOULD BE ALLOWED WITHIN THREE FEET OF THE TOP OF THE CUT.

BACKFILL NOTES:

1. RETAINING WALL BACKFILL SHOULD BE COMPACTED TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DENSITY AS DETERMINED BY ASTM D 1557-12. WHERE ACCESS BETWEEN THE RETAINING WALL AND THE TEMPORARY EXCAVATION PREVENTS THE USE OF COMPACTION EQUIPMENT, RETAINING WALLS SHOULD BE BACKFILLED WITH ¾INCH CRUSHED GRAVEL TO WITHIN 2 FEET OF THE GROUND SURFACE.
2. WHERE THE AREA BETWEEN THE WALL AND THE EXCAVATION EXCEEDS 18 INCHES, THE GRAVEL MUST BE VIBRATED OR WHEEL-ROLLED, AND TESTED FOR COMPACTION. THE UPPER 2 FEET OF BACKFILL ABOVE THE GRAVEL SHOULD CONSIST OF A COMPACTED FILL BLANKET TO THE SURFACE.
3. RETAINING WALL BACKFILL SHOULD BE CAPPED WITH A PAVED SURFACE DRAIN OR A CONCRETE SLAB.

TEMPORARY EXCAVATIONS NOTE:

1. TEMPORARY EXCAVATIONS WILL BE REQUIRED TO CONSTRUCT THE PROPOSED PROJECT. THE EXCAVATIONS COULD BE UP TO 10 FEET IN DEPTH AND WILL EXPOSE FILL OVER ALLUVIUM.
2. THE FILL SHOULD BE TRIMMED TO 1:1 WHERE EXPOSED IN VERTICAL EXCAVATIONS. WHERE NOT SURCHARGED BY EXISTING FOOTINGS OR STRUCTURES, THE ALLUVIUM IS CAPABLE OF MAINTAINING VERTICAL EXCAVATIONS UP TO 4 FEET. WHERE VERTICAL EXCAVATIONS IN THE ALLUVIUM EXCEED 4 FEET IN HEIGHT, THE UPPER PORTION SHOULD BE TRIMMED TO 1:1 (45 DEGREES).
3. VERTICAL EXCAVATIONS REMOVING LATERAL OR VERTICAL SUPPORT FROM EXISTING FOUNDATIONS OR PROPERTY LINES WILL REQUIRE THE USE OF TEMPORARY SHORING.

THIS PLAN HAS BEEN REVIEWED AND CONFORMS TO RECOMMENDATIONS OF GEOTECHNICAL ENGINEERING EXPLORATION REPORT DATED AUGUST, 25 2016

SIGNATURE AND DATE: ____________________

MCA ENGINEERS INC

LEHRER ARCHITECTS LA
Michael Barryl Lehrer FAIA License No. C12115
2140 Hyperion Avenue Los Angeles, CA 90027-4708
ph 323.664.4747 fax 323.664.3566 lehrerarchitects.com

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

DEPARTMENT OF PUBLIC WORKS

CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
1	100% SCHEMATIC DESIGN	09/19/16	
2	PLAN CHECK SUBMITTAL	12/02/16	
3	PERMIT SET	01/30/17	
4	BID SET	02/03/17	

INDEX NO. RP_300082

BUILDING NO. 1

No. C36079 Exp. 9/30/18 CIVIL STATE OF CALIFORNIA

GARY LEE MOORE, P.E., ENV SP — CITY ENGINEER

	DATE:
ARCHITECTURAL DIVISION	
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115	02.03.17
DESIGNED BY: MC	02.03.17
DRAWN BY: VV	02.03.17
CHECKED BY: VCA	02.03.17
APPROVED BY: MAHMOOD KARIMZADEH, AIA, PRINCIPAL ARCHITECT	02.03.17

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : MICHAEL A. SHULL

SHEET TITLE: GENERAL AND GEOTECHNICAL NOTES

PROJECT: Algin Sutton Pool Replacement Project

ADDRESS: 8800 S HOOVER ST, LOS ANGELES, CA 90044

SCHEMATIC DESIGN
PROJECT ISSUE DATE:

WORK ORDER NO. 1603

PLAN FILE NO.

DRAWING NO. CD001

SHEET 5 OF SHEETS

PLOTTED 5/4/2014

TTLB TEMPLATE REVISION DATE: 09/30/2016
SHEET ISSUE DATE: 09/08/2014
FILE PATH: File Path

LOS ANGELES DEPARTMENT OF BUILDING AND SAFETY (LADBS) GRADING DIVISION REQUIREMENTS:

CITY OF LOS ANGELES
CALIFORNIA

SOILS REPORT APPROVAL LETTER

October 26, 2016

LOG # 95149
SOILS/GEOLOGY FILE - 2

Bureau of Engineering
201 N. Figueroa St. 3rd fl.
Los Angeles, CA 90012

TRACT: SUNNY SIDE(M P 5-119/120)
LOT(S): 24 & 25
LOCATION: 8800 S. Hoover St.

CURRENT REFERENCE REPORT/LETTER(S)	REPORT No.	DATE(S) OF DOCUMENT	PREPARED BY
Soils Report	16093-I	08/25/2016	Irvine Geotechnical
Laboratory Test Report	SL16.2251	08/22/2016	Soil Labworks LLC
Oversized Document	16093-I	08/25/2016	Irvine Geotechnical

The Grading Division of the Department of Building and Safety has reviewed the referenced report that provide recommendations for the proposed pool, pump house and parking. According to the report, 5.5 feet of artificial fill over native soils were encountered during the exploration. The consultants recommend to support the proposed structure(s) on conventional foundations bearing on native undisturbed soils and/or a blanket of properly placed fill a minimum of 3 feet thick.

The referenced report is acceptable, provided the following conditions are complied with during site development:

(Note: Numbers in parenthesis ( ) refer to applicable sections of the 2014 City of LA Building Code. P/BC numbers refer the applicable Information Bulletin. Information Bulletins can be accessed on the internet at LADBS.ORG.)

1. The geologist and soils engineer shall review and approve the detailed plans prior to issuance of any permits. This approval shall be by signature on the plans that clearly indicates the geologist and soils engineer have reviewed the plans prepared by the design engineer and that the plans include the recommendations contained in their reports. (7006.1)

2. All recommendations of the report that are in addition to or more restrictive than the conditions contained herein shall be incorporated into the plans.

3. A copy of the subject and appropriate referenced reports and this approval letter shall be attached to the District Office and field set of plans. Submit one copy of the above reports to the Building Department Plan Checker prior to issuance of the permit. (7006.1)

4. A grading permit shall be obtained for all structural fill and retaining wall backfill. (106.1.2)

5. All man-made fill shall be compacted to a minimum 90 percent of the maximum dry density of the fill material per the latest version of ASTM D 1557. Where cohesionless soil having less than 15 percent finer than 0.005 millimeters is used for fill, it shall be compacted to a minimum of 95 percent relative compaction based on maximum dry density (D1556). Placement of gravel in lieu of compacted fill is allowed only if complying with Section 91.7011.3 of the Code. (7011.3)

6. If import soils are used, no footings shall be poured until the soils engineer has submitted a compaction report containing in-place shear test data and settlement data to the Grading Division of the Department, and obtained approval. (7008.2)

7. Compacted fill shall extend beyond the footings a minimum distance equal to the depth of the fill below the bottom of footings or a minimum of three feet whichever is greater (7011.3).

8. Existing uncertified fill shall not be used for support of footings, concrete slabs or new fill. (1809.2, 7011.3)

9. Drainage in conformance with the provisions of the Code shall be maintained during and subsequent to construction. (7013.12)

10. The applicant is advised that the approval of this report does not waive the requirements for excavations contained in the State Construction Safety Orders enforced by the State Division of Industrial Safety. (3301.1)

11. The soils engineer shall review and approve the shoring and/or underpinning plans prior to issuance of the permit. (3307.3.2)

12. Prior to the issuance of the permits, the soils engineer and/or the structural designer shall evaluate the surcharge loads used in the report calculations for the design of the retaining walls and shoring. If the surcharge loads used in the calculations do not conform to the actual surcharge loads, the soil engineer shall submit a supplementary report with revised recommendations to the Department for approval.

13. Unsurcharged temporary excavations exposing fill shall be trimmed back at a gradient not exceeding 1:1, as recommended.

14. Unsurcharged temporary excavations over 4 feet exposing native soil shall be trimmed back at a gradient not exceeding 1:1, as recommended.

15. Shoring shall be designed for a minimum EFP of 30 PCF; all surcharge loads shall be included into the design, as recommended.

16. Shoring shall be designed for a maximum lateral deflection of ½ inch where a structure is within a 1:1 plane projected up from the base of the excavation, and for a maximum

lateral deflection of 1 inch provided there are no structures within a 1:1 plane projected up from the base of the excavation.

17. A shoring monitoring program shall be implemented to the satisfaction of the soils engineer.

18. All foundations shall derive entire support from native undisturbed soils, a blanket of properly placed fill a minimum of 3 feet thick, as recommended.

19. Footings supported on approved compacted fill or expansive soil shall be reinforced with a minimum of four (4) ½-inch diameter (#4) deformed reinforcing bars. Two (2) bars shall be placed near the bottom and two (2) bars placed near the top.

20. The foundation/slab design shall satisfy all requirements of the Information Bulletin P/BC 2014-116 "Foundation Design for Expansive Soils" (1803.5.3)

21. The seismic design shall be based on a Site Class D as recommended. All other seismic design parameters shall be reviewed by LADBS building plan check.

22. The pool shall be designed for expansive soil conditions in accordance with Information Bulletin P/BC 2014-014.

23. The proposed swimming pool shall be designed for a freestanding condition. (1808.7.3)

24. Pool deck drainage shall be collected and conducted to an approved location via a non-erosive device. (7013.10)

25. All roof and pad drainage shall be conducted to the street in an acceptable manner. (7013.10)

26. All concentrated drainage shall be conducted in an approved device and disposed of in a manner approved by the LADBS. (7013.10)

27. Any recommendations prepared by the geologist and/or the soils engineer for correction of geological hazards found during grading shall be submitted to the Grading Division of the Department for approval prior to utilization in the field. (7008.2, 7008.3)

28. The geologist and soils engineer shall inspect all excavations to determine that conditions anticipated in the report have been encountered and to provide recommendations for the correction of hazards found during grading. (7008 & 1705.6)

29. Prior to the pouring of concrete, a representative of the consulting soils engineer shall inspect and approve the footing excavations. He/She shall post a notice on the job site for the LADBS Building Inspector and the Contractor stating that the work so inspected meets the conditions of the report, but that no concrete shall be poured until the City Building Inspector has also inspected and approved the footing excavations. A written certification to this effect shall be filed with the Grading Division of the Department upon completion of the work. (108.9 & 7008.2)

30. Prior to excavation, an initial inspection shall be called with LADBS Inspector at which time sequence of construction, shoring, protection fences and dust and traffic control will be scheduled. (108.9.1)

31. Installation of shoring, underpinning, slot cutting excavations and/or pile installation shall be performed under the inspection and approval of the soils engineer and deputy grading inspector. (1705.6)

32. Prior to the placing of compacted fill, a representative of the soils engineer shall inspect and approve the bottom excavations. He/She shall post a notice on the job site for the City Grading Inspector and the Contractor stating that the soil inspected meets the conditions of the report, but that no fill shall be placed until the LADBS Grading Inspector has also inspected and approved the bottom excavations. A written certification to this effect shall be included in the final compaction report filed with the Grading Division of the Department. All fill shall be placed under the inspection and approval of the soils engineer. A compaction report together with the approved soil report and Department approval letter shall be submitted to the Grading Division of the Department upon completion of the compaction. In addition, an Engineer's Certificate of Compliance with the legal description as indicated in the grading permit and the permit number shall be included. (7011.3)

33. No footing/slab shall be poured until the compaction report is submitted and approved by the Grading Division of the Department.

ALAN DANG
Structural Engineering Associate II

AD/ad
Log No. 95149
213-482-0480

cc: Lehrer Arichtects, Applicant
Irvine Geotechnical, Project Consultant
LA District Office

ATTACHMENT A

Attachment A

Job Address: 8800 S. Hoover St, LA, 90044 Permit # 16030-10000-05792

CITY OF LOS ANGELES

Storm Water Pollution Control Requirements for Construction Activities
Minimum Water Quality Protection Requirements for All Development Construction Projects/Certification Statement

The following notes shall be either incorporated or attached to the approved construction/grading plans and represent the minimum standards of good housekeeping which must be implemented on all construction projects.

Construction means constructing, clearing, grading or excavation that results in soil disturbance. Construction includes structure teardown. It does not include routine maintenance to maintain original line and grade, hydraulic capacity, or original purpose of facility; emergency construction activities required to immediately protect public health and safety; interior remodeling with no outside exposure of construction material or construction waste to storm water; mechanical permit work; or sign permit work. -NPDES Permit Part 5 "Definitions"

- Eroded sediments and pollutants must be retained on site and may not be transported from the site via sheetflow, swales, area drains, natural drainage course or wind.
- Stockpiles of earth and other construction-related materials must be protected from being transported from the site by wind or water.
- Fuels, oils, solvents and other toxic materials must be stored in accordance with their listing and are not to contaminate the soil nor the surface waters. All approved toxic storage containers are to be protected from the weather. Spills must be cleaned up immediately and disposed of in a proper manner. Spills may not be washed into the drainage system.
- Non-storm water runoff from equipment and vehicle washing and any other activity shall be contained at the project site.
- Excess or waste concrete may not be washed into the public way or any drainage system. Provisions shall be made to retain concrete wastes on-site until they can be appropriately disposed of or recycled.
- Trash and construction-related solid wastes must be deposited into a covered receptacle to prevent contamination of rainwater and dispersal by wind.
- Sediments and other materials may not be tracked from the site by vehicle traffic. The construction entrance roadways must be stabilized so as to inhibit sediments from being deposited into the public ways. Accidental depositions must be swept up immediately and may not be washed down by rain or by any other means.

As the project owner or authorized agent of the owner, I have read and understand the requirements listed above, necessary to control storm water pollution from sediments, erosion, and construction materials, and I certify that I will comply with these requirements.

Print Name Eike M[illegible]
(Owner or authorized agent of the owner)

Signature ____________ Date 1/5/2017
(Owner or authorized agent of the owner)

THIS PLAN HAS BEEN REVIEWED AND CONFORMS TO RECOMMENDATIONS OF GEOTECHNICAL ENGINEERING EXPLORATION REPORT DATED AUGUST, 25 2016

SIGNATURE AND DATE: ____________

VCA ENGINEERS, INC

LEHRER ARCHITECTS LA
Michael Barryl Lehrer FAIA License No. C12115
2140 Hyperion Avenue Los Angeles, CA 90027-4708
ph: 323.664.4747 fax: 323.664.3566 lehrerarchitects.com

SCHEMATIC DESIGN
PROJECT ISSUE DATE:

CITY OF LOS ANGELES — DEPARTMENT OF PUBLIC WORKS — BUREAU OF ENGINEERING

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: MICHAEL A. SHULL
SHEET TITLE: SOILS REPORT APPROVAL LETTER, ATTACHMENT "A"
PROJECT: Algin Sutton Pool Replacement Project
ADDRESS: 8800 S HOOVER ST, LOS ANGELES, CA 90044

GARY LEE MOORE, P.E., ENV SP — CITY ENGINEER
ARCHITECTURAL DIVISION

	DATE:
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115	02.03.17
DESIGNED BY: MC	02.03.17
DRAWN BY: VV	02.03.17
CHECKED BY: VCA	02.03.17
APPROVED BY: MAHMOOD KARIMZADEH, AIA, PRINCIPAL ARCHITECT	02.03.17

NO.	REVISION DESCRIPTION	DATE	BY
1	100% SCHEMATIC DESIGN	09/19/16	
2	PLAN CHECK SUBMITTAL	12/02/16	
3	PERMIT SET	01/30/17	
4	BID SET	02/03/17	

INDEX NO. RP_300082
BUILDING NO. -

WORK ORDER NO. 1803
PLAN FILE NO.
DRAWING NO. CD002
SHEET 0 OF SHEETS

LEGEND:

PROPERTY LINE
CENTER LINE
GRADE BREAK — CB —
FINISHED GRADE CONTOUR — 187 —
EXISTING GRADE CONTOUR — 187 —
EXISTING GRADE ELEVATION (1180.5)
FINISHED GRADE ELEVATION 185.28
CHAIN LINK FENCE (CLF) — X — X —
FLOW LINE
RIDGE LINE — R —
GAS LINE — G —
ELECTRICAL CONDUIT — E —
TRAFFIC SIGNAL LINE — TS —
STORM DRAIN LINE — SD —
SEWER LINE — S —
WATER LINE — W —
SITE WALL
CONTROL POINT △
STORM DRAIN MANHOLE ⓓ
SEWER MANHOLE ⓢ
MANHOLE Ⓜ
GAS VALVE ⊗GV
STREET LIGHT ☼
PULL BOX □PB
ELECTRICAL RISER □
GUY WIRES ⟵
POWER POLE
TELEPHONE RISER □
WATER METER □WM
WATER VALVE/GATE VALVE ⊗WV
FIRE HYDRANT
FIRE DEPARTMENT CONNECTION FDC
SAND BAG ⬭
CDS UNIT
CATCH BASIN ▣
RETENTION SYSTEM
FIRE WATER LEGEND — FW —
WALL
SILT FENCE —□—□—
TEMP CHAIN LINK FENCE —X—X—X—X—

ABBREVIATIONS:

AC	ASPHALT CONCRETE	N	NORTH
AD	AREA DRAIN	NOI	NOTICE OF INTENT
OAR	OWNER AUTHORIZED REPRESENTATIVE	OAR	OWNER AUTHORIZED REPRESENTATIVE
APWA	AMERICAN PUBLIC WORKS ASSOCIATION	OE	OUTLET ELEVATION
ARCH	ARCHITECTURAL	OVER-EX	OVER EXCAVATION
ASPH	ASPHALT	P.O.T.	PATH OF TRAVEL
		PA	PLANTING AREA
BBP	BASKETBALL POLE	PB	PULL BOX
BC	BEGINNING OF CURVE	PCC	PORTLAND CEMENT CONCRETE
BLDG	BUILDING	PIV	POST INDICATOR VALVE
BM	BENCHMARK	PL	PROPERTY LINE
BOF, B.O.F.	BOTTOM OF FOOTING	PM	PUNCH MARK ON MANHOLE, PARKING METER
BS	BOTTOM OF STEP	PP	POWER POLE
BTS	BOTTOM OF SLOPE	PSG	PEDESTRIAN SWING GATE
BX	BOTTOM OF RAMP/CURB OR BOTTOM OF "X"	PVC	POLY VINYL CHLORIDE PIPE
BW	BACK OF SIDEWALK	PVMT	PAVEMENT
BWAL	BOTTOM OF WALL		
CAB	CRUSHED AGGREGATE BASE	QSD	QUALIFIED SWPPP DEVELOPER
CB	CATCH BASIN	QSP	QUALIFIED SWPPP PRACTITIONER
CC	CONCRETE CEMENT	QCV	CONTROL VALVE
CF	CURB FACE	RCV	CONTROL VALVE
℄	CENTERLINE		
CI	CAST IRON	RAP	RECREATION AND PARKS
CLF	CHAIN LINK FENCE	R	RADIUS (GEOMETRY) OR RIDGE (GRADING)
CLR	CLEAR	REF	REFERENCE
CO	CLEANOUT	RG	ROUGH GRADE
CONC, C	CONCRETE	RW	RIGHT OF WAY
CSLAB	CONCRETE SLAB	SCE	SOUTHERN CALIFORNIA EDISION
		SD	STORM DRAIN
DCDA	DOUBLE CHECK DETECTOR ASSEMBLY	SDR	STANDARD PIPE DIMENSION RATIO
DI	DUCTILE IRON, DROP INLET	SDR	STANDARD PIPE DIMENSION RATIO
DIA	DIAMETER	SL	STREET LIGHT
DMH	DRAIN MAINTENANCE HOLE	S	SLOPE, SOUTH, SEWER
DS	DRAIN	SDMH	STORM DRAIN MANHOLE
DWG(S)	DRAWING(S)	SLPB	STREET LIGHT PULLBOX
DWY	DRIVEWAY	SPK	SPIKE
		SS	SANITARY SEWER
EG	EDGE OF GUTTER	STA	STATION
EXP	EXPANSION	STD(S)	STANDARD(S)
E	EAST	SW	SPIKE & WASHER
EC	END OF CURVE	SWPPP	SIDEWALK
EDS	EDISON		STORM WATER POLLUTION PREVENTION PLAN
ELEC	ELECTRICAL		
EL, ELEV	ELEVATION	T	TANGENT
EJ	EXPANSION JOINT	TA	TREE AREA
EP	EDGE OF PAVEMENT	TAD	TOP OF AREA DRAIN
EXIST, EX, (E)	EXISTING	TBS	TOP OF BOTTOM STEP
		TC	TOP OF CONCRETE OR CURB
FD	FRENCH DRAIN	TCB	TOP OF CATCH BASIN
FDC	FIRE DEPARTMENT CONNECTION	TCO	TOP OF CLEAN OUT
FF	FINISH FLOOR ELEVATION	TE	TOP OF ELEVATION
FG	FINISH GRADE/ROUGH GRADE ELEVATION	TEL	TELEPHONE
FL	FLOW LINE	TEL VLT	TELEPHONE VAULT
FH	FIRE HYDRANT	TG	TOP OF GRATE
FND	FOUNDATION	TH	THRESHOLD
FS	FINISH SURFACE	TOF	TOP OF FOOTING
FT	FEET	TMH	TELEPHONE MANHOLE
FW	FIRE WATER	TMS	TOP OF MOW STRIP
FNC	FENCE	TOS	TOP OF SLOPE
		TOE	TOE OF EMBANKMENT
G	GAS	TS	TOP OF STEP/TRAFFIC SIGNAL
GB	GRADE BREAK	TTS	TOP OF TOP OF STEP
GM	GAS METER	TP	TENNIS POLE
GVLT	GAS VAULT	TSPB	TRAFFIC SIGNAL PULLBOX
GV	GAS VALVE	TW, TWAL	TOP OF WALL
GRD	GROUND	TYP	TYPICAL
		TX	TOP OF RAMP/CURB OR TOP OF "X"
HP	HIGH POINT		
		U/G	UNDERGROUND
IE	INVERT ELEVATION	U.O.N.	UNLESS OTHERWISE NOTED
INV	INVERT		
IRR	IRRIGATION	VBP	VOLLEYBALL POLE
ITEM NO.	ITEM SHOWN ON PTR	VCP	VITRIFIED CLAY PIPE
IOR	INSPECTOR OF RECORD	VIF	VERIFY IN FIELD
I.C.	INSIDE CURB LENGTH	V.V	VAULT VENTS
		W	DOMESTIC WATER, WEST
L	LENGTH	WM	WATER METER
LP	LIGHT POLE	WV	WATER VALVE
LACFCD	LOS ANGELES COUNTY FLOOD CONTROL DISTRICT	WVLT	WATER VAULT
MEAS	MEASURED	YB (W,S,G,E)	YARD BOX (WATER, SEWER, GAS, ELECTRICAL)
MAX	MAXIMUM		
MH	MAINTENANCE HOLE, MANHOLE		
MIN	MINIMUM		

GRADING NOTES:

1. ALL GRADING SLOPES SHALL BE PLANTED AND SPRINKLERED. (7012.1)
2. STANDARD 12 INCH HIGH BERM IS REQUIRED AT TOP OF ALL GRADED SLOPES. (7013.3)
3. NO FILL TO BE PLACED, UNTIL THE CITY GRADING INSPECTOR HAS INSPECTED AND APPROVED THE BOTTOM OF EXCAVATION.
4. MAN-MADE FILL SHALL BE COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 90% MAX DRY DENSITY WITHIN 40 FEET BELOW FINISH GRADE AND 93% OF MAX DRY DENSITY DEEPER THAN 40 FEET BELOW FINISH GRADE, UNLESS A LOWER RELATIVE COMPACTION (NOT LESS THAN 90% OF MAX DRY DENSITY) IS JUSTIFIED BY THE SOILS ENGINEER.
5. TEMPORARY EROSION CONTROL TO BE INSTALLED BETWEEN OCTOBER 1 AND APRIL 15, OBTAIN GRADING INSPECTOR'S AND DEPARTMENT OF PUBLIC WORKS APPROVAL OF PROPOSED PROCEDURES.
6. ALL CUT OR FILL SLOPES SHALL BE NO STEEPER THAN 2:1 (26 DEGREES).
7. STAKE AND FLAG THE PROPERTY LINES IN ACCORDANCE WITH A LICENSED SURVEY MAP.

ESTIMATED EARTHWORK QUANTITY

ESTIMATED CUT = 3990.50 CYDS.

ESTIMATED FILL = 1626.80 CYDS.

ESTIMATED EXPORT = 2363.7 CYDS.

SURVEY NOTES:

SURVEY BENCH MARK AND BASIS OF BEARING FOR THIS PROJECT:

SURVEY:

THE EXISTING CONDITIONS FOR THE CIVIL ENGINEERING DESIGN PLANS ARE BASED ON SURVEY DATED 08/29/2016 AND MAY NOT COMPLETELY REFLECT CURRENT CONDITIONS.

SURVEYOR:

FLORENTINO FERRER
FERRER & ASSOCIATES
LAND SURVEYING & ENGINEERS
2268 CECIANA DRIVE
HACIENDA HEIGHTS, CA 91745
TEL 626-333-9644
FAX 626-629-7900

BENCH MARK:

CITY BENCHMARK 16-13210 WAS USED FOR VERTICAL DATUM FOR THIS SURVEY.

SD SPIKE IN E CURB HOOVER STREET 20 FEET SOUTH OF MANCHESTER AVENUE.

ELEV. = 135.189' (2000) NAVD 1988

BASIS OF BEARING:

THE BEARING OF S00°08'00"E FOR THE CENTER LINE OF HOOVER STREET AS SHOWN ON M.B. 5, PAGES 119-120, RECORDED IN THE OFFICE OF THE COUNTY RECORDER OF THE LOS ANGELES COUNTY, IS USED AS THE BASIS OF BEARING FOR THIS SURVEY.

LEHRER ARCHITECTS LA
2140 Pontius Avenue, Los Angeles, CA 90025-3703
ph 323.954.4787 fx 323.954.1556 lehrerla.com

MCA ENGINEERS, INC.

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
1	100% SCHEMATIC DESIGN	08/19/16	
2	PLAN CHECK SUBMITTAL	12/02/16	
3	PERMIT SET	02/03/17	
4	BIDSET	02/03/17	

INDEX NO. RP-300082 BUILDING NO.

ENGINEERING

GARY LEE MOORE, P.E., ENV SP — CITY ENGINEER — DATE: 02.03.17
ARCHITECTURAL DIVISION — LIC. NO: C12315
ARCHITECT: MICHAEL B. LEHRER, FAIA — DATE: 02.03.17
DESIGNED BY: MC
DRAWN BY: VV — DATE: 02.03.17
CHECKED BY: VCA — DATE: 02.03.17
APPROVED BY: MAHMOOD KARIMZADEH - AIA PRINCIPAL ARCHITECT — DATE: 02.03.17

CITY OF LOS ANGELES
CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: MICHAEL A. SHULL

SHEET TITLE: LEGEND AND ABBREVIATIONS, SURVEY INFORMATION
PROJECT: Algin Sutton Pool Replacement Project
ADDRESS: 8800 S HOOVER ST, LOS ANGELES, CA 90044

SCHEMATIC DESIGN
PROJECT ISSUE DATE:

WORK ORDER NO. 1603
PLAN FILE NO.
DRAWING NO. CD003
SHEET 0 OF SHEETS

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET

TTI-3 TEMPLATE REVISION DATE: 08/30/2016
SHEET ISSUE DATE: 09/08/2014
FILE PATH: File Path

GRADING PRE-INSPECTION REPORT:

City of Los Angeles
Department of Building and Safety

Version 1

Grading Pre-Inspection Report

Address: **8800 S HOOVER ST**
Council District: **8** Permit Application: **16030-10000-09380**

Work Description:
gpi only for public pool backfill and grading for the new pool.

Inspector/Telephone: **ROBERT HUGHES, (213) 482-0403**
Inspection District: **LA**
Inspection Date: **01/05/2017**

Property Posted: **N/A** Posting Date: **N/A** Posting Fees Paid? **No**
Tract: **SUNNY SIDE**
Block: Lot(s): **17** ARB: County Ref No: **M B 5-119/120**

Approved Graded Lot: **No**	Bearing Value:
Fill Over 100 Feet: **No**	Buttress Fill: **No**
Slope of Surface: **Ascending**	Natural Soil Classification 1804.2: **clayey silt**
	Cut: degrees Height: ft in
Fill: degrees Height: ft in	
Natural: **flat** degrees Height: ft in	Slide Area: **No**
Sewer Available: **Unknown**	PSDS Sized Per Code: **Unknown**
Site is **Above** Street	Roof Gutters: **No**
Condition of Street for Drainage Purposes **a/c**	Recommended Termination of Drainage to **approved location**
Driveway Grade: **% - N/A**	Maximum Rough Grade Allowed: **%**

GRADING APPROVAL TO ISSUE PERMIT(S)
X OK TO ISSUE. SEE BELOW FOR COMMENTS.
DO NOT ISSUE UNTIL BELOW REQUIREMENTS HAVE BEEN SATISFIED.

Page 1 of 3

X 1. A grading permit is required for excavation and backfill .
2. A retaining wall permit is required. .
3. OSHA permit required for vertical cuts 5 feet or over.
X 4. All footings shall be founded in undisturbed natural soil per Code.
X 5. Design for expansive soil or submit a soils report to the grading division per information bulletin P/BC 2008-116 and 91.1803.8.
X 6. In the event excavations reveal unfavorable conditions, the services of a soils engineer and/or geologist may be required.
7. report(s) are required. Submit three copies (1 original and 2 copies), with appropriate fees, to the Grading Section for review and approval.
8. Incorporate all recommendations of the approved report(s) and Department letters dated into the plans, to sign plans.
9. Site is subject to mudflow. Comply with provisions of Section 91.7014.3. Geological and soils report required.
10. Buildings shall be located clear of the toe of all slopes which exceed a gradient of 3 horizontal to 1 vertical as per Section 91.1805.3.1.
11. Footings shall be set back from the descending slope surface exceeding 3 horizontal to 1 vertical as per Section 91.1805.3.7.
12. Swimming pools and spas shall be set back from descending and ascending slopes as per Section 91.1805.3.3.
13. Department approval is required for construction of . on or over slopes steeper than 2 horizontal to 1 vertical.
14. Provide complete details of engineered temporary shoring or slot cutting procedures on plans. Call for inspection before excavation begins.
X 15. All concentrated drainage, including roof water, shall be conducted, via gravity, to the street or an approved location at a 2% minimum. Drainage to be shown on the plans.
16. A Registered Deputy Inspector is required.
X 17. All fill or backfill shall be compacted by mechanical means to a minimum 90% relative compaction as determined by ASTM method D-1557. Subdrains shall be provided where required by Code.
X 18. Specify on the plans: "The soils engineer is to approve the key or bottom and leave a certificate on the site for the grading inspector. The grading inspector is to be notified before any grading begins and, for bottom inspection, before fill is placed. Fill may not be placed without approval of the grading inspector."
19. Existing non-conforming slopes shall be cut back at 2:1 (26 degrees) or retained. All concentrated drainage, including roof water, shall be conducted, via gravity, to the street or an approved location at a 2% minimum. Drainage to be shown on the plans
20. All cut or fill slopes shall be no steeper the 2:1 (26 degrees).
21. Stake and flag the property lines in accordance with a licensed survey map. .
22. Approval required by the Department for .
23. Approval required by the Department of Public Works, Urban Forestry Division, for native tree protected ORD. 177,040. Phone # (213) 847-3077
24. This is a preliminary pre-inspection only - base on limited information. When complete plans (and possibly calculations and/or required reports) are submitted for a permit, a new pre-inspection and fee will be required.

Page 2 of 3

** Additional requirements: **A compaction report will be required for pool backfill.**

Construction of new occupied buildings or major additions to buildings on sites located in any of the Seismic Hazard Zones (liquefaction, Landslide or Alquist-Priolo Fault Zone) will require a geology and/or soil engineering report. For questions call (213) 482-0480.

Page 3 of 3

LEHRER ARCHITECTS LA
Michael Barryl Lehrer FAIA License No. C12115
2140 Hyperion Avenue Los Angeles, CA 90027-4708
ph: 323.664.4747 fax: 323.664.3566 lehrerarchitects.com

VCA ENGINEERS, INC

DEPARTMENT OF PUBLIC WORKS — BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
1	100% SCHEMATIC DESIGN	09/19/16	
2	PLAN CHECK SUBMITTAL	12/02/16	
3	PERMIT SET	01/30/17	
4	BID SET	02/03/17	

GARY LEE MOORE, P.E., ENV SP — CITY ENGINEER
ARCHITECTURAL DIVISION

	DATE:
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115	02.03.17
DESIGNED BY: MC	02.03.17
DRAWN BY: VV	02.03.17
CHECKED BY: VCA	02.03.17
APPROVED BY: MAHMOOD KARIMZADEH, AIA, PRINCIPAL ARCHITECT	02.03.17

INDEX NO. RP_300082
BUILDING NO. -

ENGINEERING — CITY OF LOS ANGELES

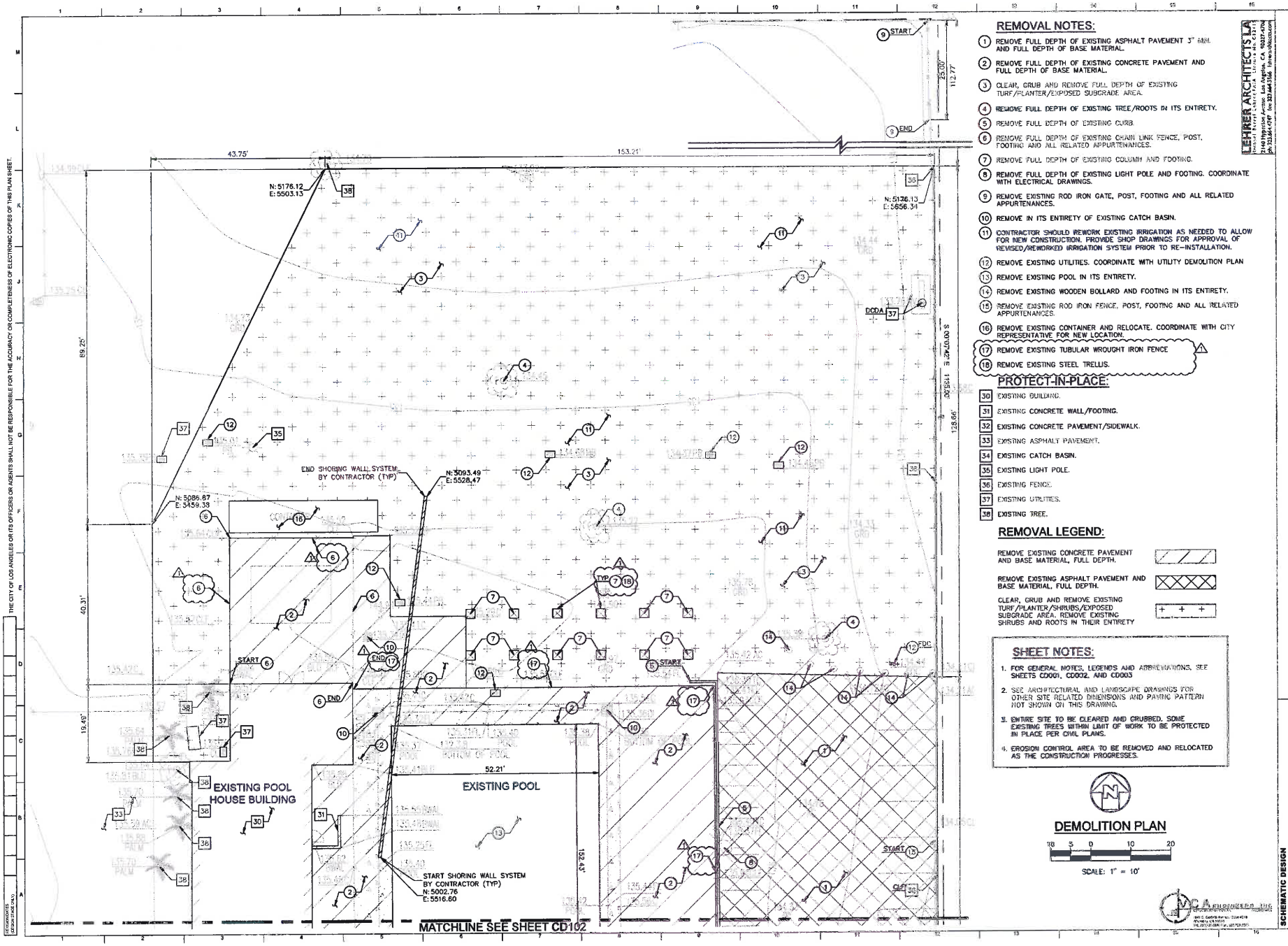
SCHEMATIC DESIGN
PROJECT ISSUE DATE:

CITY OF LOS ANGELES
CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : MICHAEL A. SHULL
SHEET TITLE: GRADING PRE-INSPECTION REPORT
PROJECT: Algin Sutton Pool Replacement Project
ADDRESS: 8800 S HOOVER ST, LOS ANGELES, CA 90044

WORK ORDER NO. 1603
PLAN FILE NO.
DRAWING NO. **CD004**
SHEET O OF F SHEETS

PLOTTED 9/9/2014

TTLB TEMPLATE REVISION DATE 06/30/2016 FILE PATH: File Path
SHEET ISSUE DATE: 09/09/2014



REMOVAL NOTES:

1. REMOVE FULL DEPTH OF EXISTING ASPHALT PAVEMENT 3" MIN. AND FULL DEPTH OF BASE MATERIAL.
2. REMOVE FULL DEPTH OF EXISTING CONCRETE PAVEMENT AND FULL DEPTH OF BASE MATERIAL.
3. CLEAR, GRUB AND REMOVE FULL DEPTH OF EXISTING TURF/PLANTER/EXPOSED SUBGRADE AREA.
4. REMOVE FULL DEPTH OF EXISTING TREE/ROOTS IN ITS ENTIRETY.
5. REMOVE FULL DEPTH OF EXISTING CURB.
6. REMOVE FULL DEPTH OF EXISTING CHAIN LINK FENCE, POST, FOOTING AND ALL RELATED APPURTENANCES.
7. REMOVE FULL DEPTH OF EXISTING COLUMN AND FOOTING.
8. REMOVE FULL DEPTH OF EXISTING LIGHT POLE AND FOOTING. COORDINATE WITH ELECTRICAL DRAWINGS.
9. REMOVE EXISTING ROD IRON GATE, POST, FOOTING AND ALL RELATED APPURTENANCES.
10. REMOVE IN ITS ENTIRETY OF EXISTING CATCH BASIN.
11. CONTRACTOR SHOULD REWORK EXISTING IRRIGATION AS NEEDED TO ALLOW FOR NEW CONSTRUCTION. PROVIDE SHOP DRAWINGS FOR APPROVAL OF REWISED/REWORKED IRRIGATION SYSTEM PRIOR TO RE-INSTALLATION.
12. REMOVE EXISTING UTILITIES. COORDINATE WITH UTILITY DEMOLITION PLAN
13. REMOVE EXISTING POOL IN ITS ENTIRETY.
14. REMOVE EXISTING WOODEN BOLLARD AND FOOTING IN ITS ENTIRETY.
15. REMOVE EXISTING ROD IRON FENCE, POST, FOOTING AND ALL RELATED APPURTENANCES.
16. REMOVE EXISTING CONTAINER AND RELOCATE. COORDINATE WITH CITY REPRESENTATIVE FOR NEW LOCATION.
17. REMOVE EXISTING TUBULAR WROUGHT IRON FENCE
18. REMOVE EXISTING STEEL TRELLIS.

PROTECT-IN-PLACE:

30. EXISTING BUILDING.
31. EXISTING CONCRETE WALL/FOOTING.
32. EXISTING CONCRETE PAVEMENT/SIDEWALK.
33. EXISTING ASPHALT PAVEMENT.
34. EXISTING CATCH BASIN.
35. EXISTING LIGHT POLE.
36. EXISTING FENCE.
37. EXISTING UTILITIES.
38. EXISTING TREE.

REMOVAL LEGEND:

REMOVE EXISTING CONCRETE PAVEMENT AND BASE MATERIAL, FULL DEPTH.

REMOVE EXISTING ASPHALT PAVEMENT AND BASE MATERIAL, FULL DEPTH.

CLEAR, GRUB AND REMOVE EXISTING TURF/PLANTER/SHRUBS/EXPOSED SUBGRADE AREA. REMOVE EXISTING SHRUBS AND ROOTS IN THEIR ENTIRETY

SHEET NOTES:

1. FOR GENERAL NOTES, LEGENDS AND ABBREVIATIONS, SEE SHEETS CD001, CD002, AND CD003
2. SEE ARCHITECTURAL AND LANDSCAPE DRAWINGS FOR OTHER SITE RELATED DIMENSIONS AND PAVING PATTERN NOT SHOWN ON THIS DRAWING.
3. ENTIRE SITE TO BE CLEARED AND GRUBBED. SOME EXISTING TREES WITHIN LIMIT OF WORK TO BE PROTECTED IN PLACE PER CIVIL PLANS.
4. EROSION CONTROL AREA TO BE REMOVED AND RELOCATED AS THE CONSTRUCTION PROGRESSES.

DEMOLITION PLAN

SCALE: 1" = 10'

LEHRER ARCHITECTS LA
2140 Hyperion Avenue, Los Angeles, CA 90027-4704
ph: 323.664.4769 fax: 323.664.1356 lehrerla@sbcglobal.com

TTLB TEMPLATE REVISION DATE: 09/30/2016
SHEET ISSUE DATE: 09/09/2014
FILE PATH: File Path

ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
1	100% SCHEMATIC DESIGN	06/19/16	
2	PLAN CHECK SUBMITTAL	12/02/16	
3	BID SET	02/03/17	
4			
5			

INDEX NO.: RP-300092 BUILDING NO.:

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

GARY LEE MOORE, P.E., M.W.V. S.P. — CITY ENGINEER — DATE: 02.03.17
ARCHITECT: MICHAEL B. LEHRER, FAIA — LIC. NO.: C12115 — DATE: 02.03.17
DESIGNED BY: MC — DATE: 02.03.17
DRAWN BY: VV — DATE: 02.03.17
CHECKED BY: VCA — DATE: 02.03.17
APPROVED BY: BAHMANDOKHANDAZDEH, AIA, PRINCIPAL ARCHITECT — DATE: 02.03.17

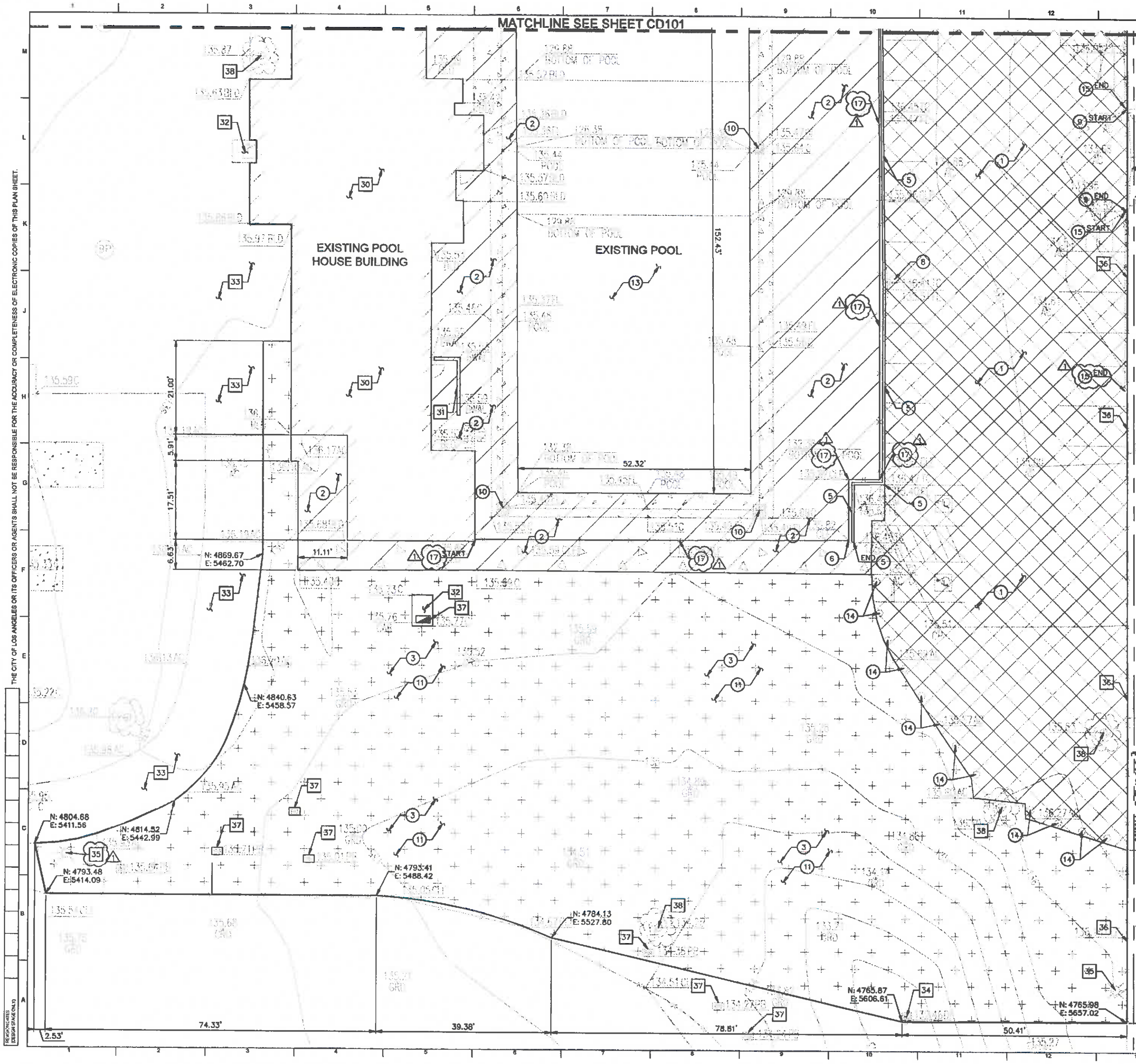
CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: MICHAEL A. SHULL

SHEET TITLE: DEMOLITION PLAN
PROJECT: Algin Sutton Pool Replacement Project
ADDRESS: 8800 S HOOVER ST, LOS ANGELES, CA 90044

SCHEMATIC DESIGN
PROJECT ISSUE DATE:

WORK ORDER NO.: 1803
PLAN FILE NO.:
DRAWING NO.: CD101
SHEET 0 OF SHEETS

VCA ENGINEERS, INC.



REMOVAL NOTES:

1. REMOVE FULL DEPTH OF EXISTING ASPHALT PAVEMENT 3" MIN. AND FULL DEPTH OF BASE MATERIAL.
2. REMOVE FULL DEPTH OF EXISTING CONCRETE PAVEMENT AND FULL DEPTH OF BASE MATERIAL.
3. CLEAR, GRUB AND REMOVE FULL DEPTH OF EXISTING TURF/PLANTER/EXPOSED SUBGRADE AREA.
4. REMOVE FULL DEPTH OF EXISTING TREE/ROOTS IN ITS ENTIRETY.
5. REMOVE FULL DEPTH OF EXISTING CURB.
6. REMOVE FULL DEPTH OF EXISTING CHAIN LINK FENCE, POST, FOOTING AND ALL RELATED APPURTENANCES.
7. REMOVE FULL DEPTH OF EXISTING COLUMN AND FOOTING.
8. REMOVE FULL DEPTH OF EXISTING LIGHT POLE AND FOOTING. COORDINATE WITH ELECTRICAL DRAWINGS.
9. REMOVE EXISTING ROD IRON GATE, POST, FOOTING AND ALL RELATED APPURTENANCES.
10. REMOVE IN ITS ENTIRETY OF EXISTING CATCH BASIN.
11. CONTRACTOR SHOULD REWORK EXISTING IRRIGATION AS NEEDED TO ALLOW FOR NEW CONSTRUCTION. PROVIDE SHOP DRAWINGS FOR APPROVAL OF REVISED/REWORKED IRRIGATION SYSTEM PRIOR TO RE-INSTALLATION.
12. REMOVE EXISTING UTILITIES. COORDINATE WITH UTILITY DEMOLITION PLAN
13. REMOVE EXISTING POOL IN ITS ENTIRETY.
14. REMOVE EXISTING WOODEN BOLLARD AND FOOTING IN ITS ENTIRETY.
15. REMOVE EXISTING ROD IRON FENCE, POST, FOOTING AND ALL RELATED APPURTENANCES.
16. REMOVE EXISTING CONTAINER AND RELOCATE. COORDINATE WITH CITY REPRESENTATIVE FOR NEW LOCATION.
17. REMOVE EXISTING TUBULAR WROUGHT IRON FENCE
18. REMOVE EXISTING STEEL TRELLIS.

PROTECT-IN-PLACE:

30. EXISTING BUILDING.
31. EXISTING CONCRETE WALL/FOOTING.
32. EXISTING CONCRETE PAVEMENT/SIDEWALK.
33. EXISTING ASPHALT PAVEMENT.
34. EXISTING CATCH BASIN.
35. EXISTING LIGHT POLE.
36. EXISTING FENCE.
37. EXISTING UTILITIES.
38. EXISTING TREE.

REMOVAL LEGEND:

- REMOVE EXISTING CONCRETE PAVEMENT AND BASE MATERIAL, FULL DEPTH.
- REMOVE EXISTING ASPHALT PAVEMENT AND BASE MATERIAL, FULL DEPTH.
- CLEAR, GRUB AND REMOVE EXISTING TURF/PLANTER/SHRUBS/EXPOSED SUBGRADE AREA. REMOVE EXISTING SHRUBS AND ROOTS IN THEIR ENTIRETY

SHEET NOTES:

1. FOR GENERAL NOTES, LEGENDS AND ABBREVIATIONS, SEE SHEETS CD001, CD002, AND CD003
2. SEE ARCHITECTURAL AND LANDSCAPE DRAWINGS FOR OTHER SITE RELATED DIMENSIONS AND PAVING PATTERN NOT SHOWN ON THIS DRAWING.
3. ENTIRE SITE TO BE CLEARED AND GRUBBED. SOME EXISTING TREES WITHIN LIMIT OF WORK TO BE PROTECTED IN PLACE PER CIVIL PLANS.
4. EROSION CONTROL AREA TO BE REMOVED AND RELOCATED AS THE CONSTRUCTION PROGRESSES.

DEMOLITION PLAN

SCALE: 1" = 10'

VCA ENGINEERS, INC

LEHRER ARCHITECTS LA
Michael Berryl Lehrer, FAIA License No. C12115
2140 Hyperion Avenue Los Angeles, CA 90027-4708
ph: 323.664.4747 fax: 323.664.3566 lehrerarchitects.com

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
1	100% SCHEMATIC DESIGN	09/19/16	
2	PLAN CHECK SUBMITTAL	12/02/16	
3	PERMIT SET	01/30/17	
4	BID SET	02/03/17	

INDEX NO. RP_300082
BUILDING NO. -

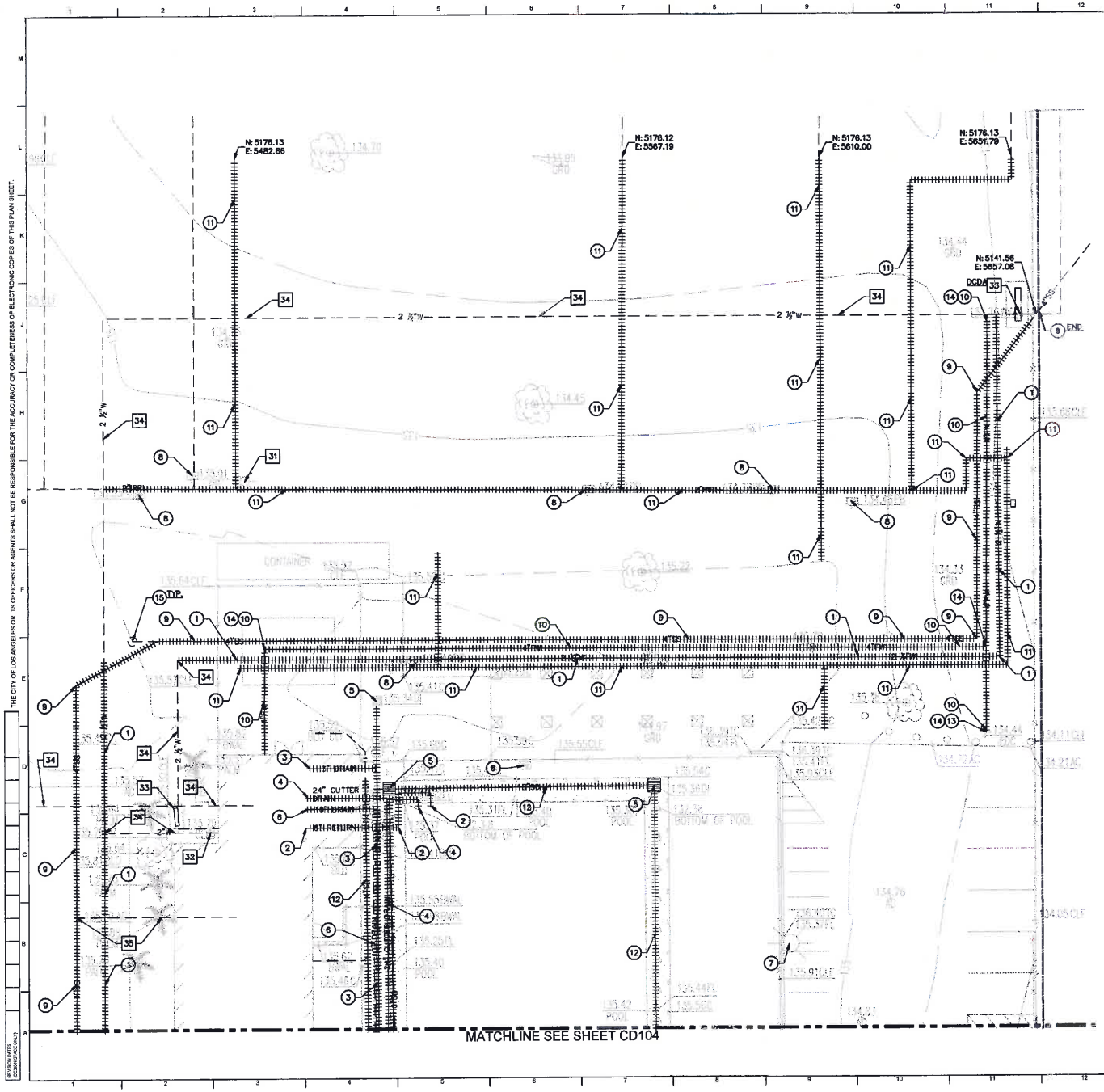
GARY LEE MOORE, P.E., ENV SP — CITY ENGINEER
ARCHITECTURAL DIVISION — DATE:
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115 — 02.03.17
DESIGNED BY: MC — 02.03.17
DRAWN BY: VV — 02.03.17
CHECKED BY: VCA — 02.03.17
APPROVED BY: MAHMOOD KARIMZADEH, AIA, PRINCIPAL ARCHITECT — 02.03.17

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: MICHAEL A. SHULL
SHEET TITLE: DEMOLITION PLAN
PROJECT: Algin Sutton Pool Replacement Project
ADDRESS: 8800 S HOOVER ST, LOS ANGELES, CA 90044

SCHEMATIC DESIGN
PROJECT ISSUE DATE:

WORK ORDER NO. 1603
PLAN FILE NO.
DRAWING NO. CD102
SHEET __ OF __ SHEETS

TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 09/08/2014
FILE PATH: File Path



REMOVAL NOTES:

1. REMOVE EXISTING DOMESTIC WATER LINE IN ITS ENTIRETY. COORDINATE SHUT DOWN OF SYSTEM WITH CITY REPRESENTATIVE PRIOR TO START OF REMOVAL
2. REMOVE EXISTING POOL RETURN LINES IN ITS ENTIRETY.
3. REMOVE EXISTING UTILITY POOL DRAIN LINE IN ITS ENTIRETY.
4. REMOVE EXISTING AREA DECK DRAINS.
5. REMOVE EXISTING CATCH BASIN IN ITS ENTIRETY.
6. REMOVE EXISTING POOL DRAIN IN ITS ENTIRETY.
7. REMOVE EXISTING LIGHT POLE AND FOOTING IN ITS ENTIRETY.
8. REMOVE EXISTING YARD BOX/UTILITY BOX/WATER VALVE.
9. REMOVE EXISTING SANITARY SEWER LINE IN ITS ENTIRETY.
10. REMOVE EXISTING FIRE WATER LINE IN ITS ENTIRETY. COORDINATE SHUT DOWN OF SYTEM WITH CITY REPRESENTATIVE PRIOR TO START OF REMOVAL.
11. REMOVE EXISTING IRRIGATION LINE IN ITS ENTIRETY. COORDINATE WITH DEMOLITION DRAWINGS.
12. REMOVE EXISTING STORM DRAIN LINE IN ITS ENTIRETY.
13. REMOVE EXISTING FIRE DEPARTMENT CONNECTION IN ITS ENTIRETY.
14. REMOVE EXISTING THRUST BLOCK IN ITS ENTIRETY.
15. REMOVE EXISTING CLEANOUT IN ITS ENTIRETY.

PROTECT-IN-PLACE NOTES:

30. PROTECT IN PLACE EXISTING CATCH BASIN.
31. PROTECT IN PLACE EXISTING LIGHT POLE.
32. PROTECT IN PLACE EXISTING FULL BOX/VALVE BOX/CLEAN-OUT BOX.
33. PROTECT IN PLACE EXISTING WATER METER/BACKFLOW PREVENTER.
34. PROTECT IN PLACE EXISTING DOMESTIC WATER LINE.
35. PROTECT IN PLACE EXISTING SEWER LINE.

REMOVAL LEGEND:

REMOVE EXISTING UTILITY LINE. CAP AND PLUG WERE IT OCCURS.

SHEET NOTES:

1. FOR GENERAL NOTES, LEGENDS AND ABBREVIATIONS, SEE SHEETS CD001, CD002, AND CD003
2. SEE ARCHITECTURAL AND LANDSCAPE DRAWINGS FOR OTHER SITE RELATED DIMENSIONS AND PAVING PATTERN NOT SHOWN ON THIS DRAWING.
3. ENTIRE SITE TO BE CLEARED AND GRUBBED. ALL EXISTING TREES WITHIN LIMIT OF WORK TO BE REMOVED.
4. EROSION CONTROL AREA TO BE REMOVED AND RELOCATED AS THE CONSTRUCTION PROGRESSES.
5. CONTRACTOR SHALL POT HOLE AT HIS/HER EXPENSE TO VERIFY EXACT LOCATION AND DEPTH OF EXISTING UTILITY TO REMAIN OR TO BE REMOVED.

UTILITY DEMOLITION PLAN

SCALE: 1" = 10'

LEHRER ARCHITECTS, LA
2140 Hyperion Avenue, Los Angeles, CA 90027-4708
ph: 323.644.4747 fax: 323.644.4966 www.lehrerarchitects.com

BUREAU OF ENGINEERING — ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
1	100% SCHEMATIC DESIGN	09/19/16	
2	PLAN CHECK SUBMITTAL	12/02/16	
3	PERMIT SET	02/03/17	
4	BID SET	03/03/17	
5			

INDEX NO. — RF_300892 — BUILDING NO. —

DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, P.E., ENV SP	CITY ENGINEER	DATE
ARCHITECTURAL DIVISION		
ARCHITECT: MICHAEL B. LEHRER, FAIA	LIC. NO.: C12115	02.03.17
DESIGNED BY: MC		02.03.17
DRAWN BY: VV		02.03.17
CHECKED BY: VCA		02.03.17
APPROVED BY: MAHMOOD KARIMZADEH, AIA, PRINCIPAL ARCHITECT		02.03.17

CITY OF LOS ANGELES
CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: MICHAEL A. SHULL

SHEET TITLE: UTILITY DEMOLITION PLAN
PROJECT: Algin Sutton Pool Replacement Project
ADDRESS: 8800 S HOOVER ST, LOS ANGELES, CA 90044

SCHEMATIC DESIGN
PROJECT ISSUE DATE:

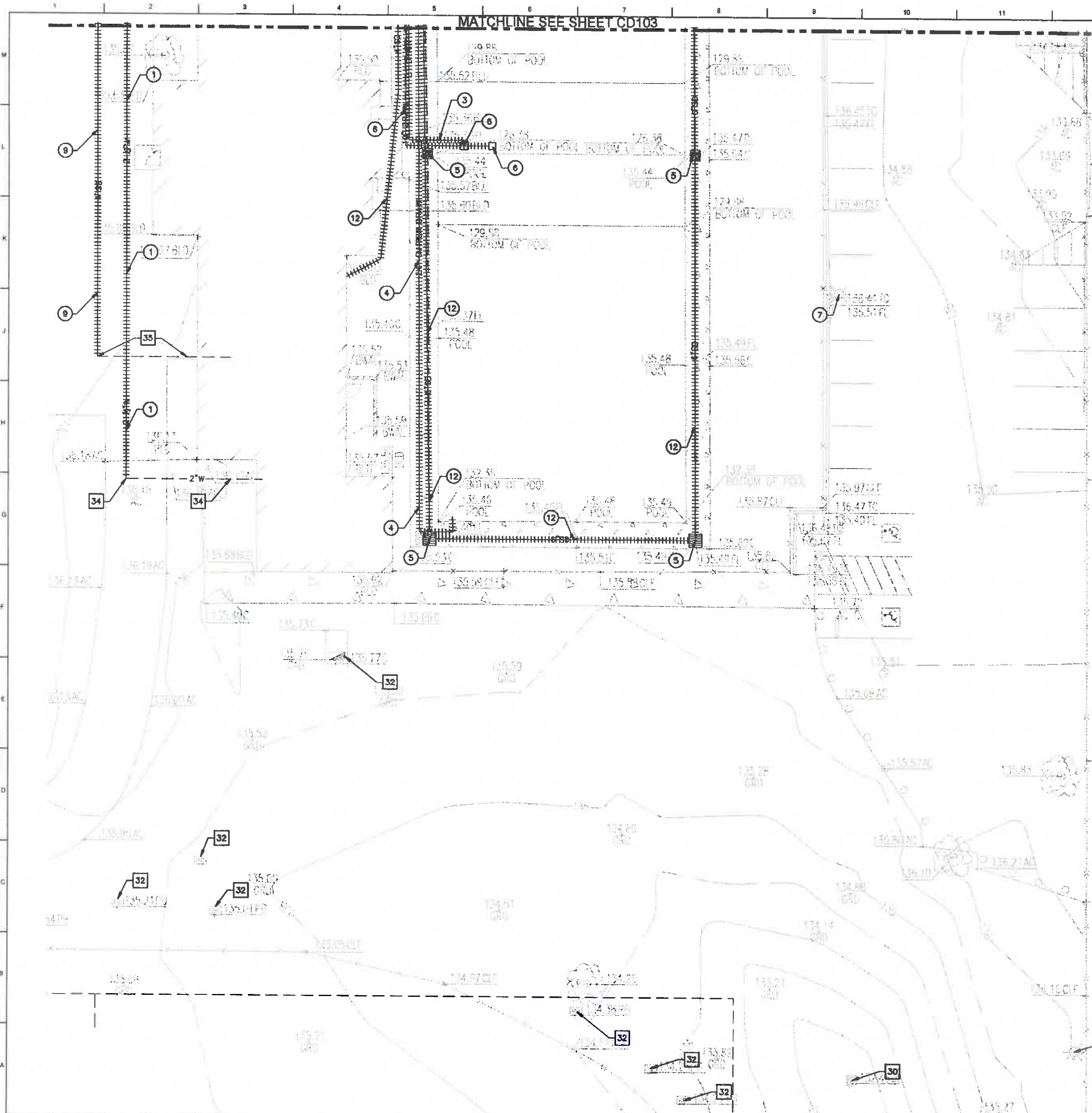
WORK ORDER NO. 1603
PLAN FILE NO.
DRAWING NO. CD103
SHEET 10 OF SHEETS

VCA ENGINEERS, INC.
1041 S. Garfield Avenue, Suite #210, Alhambra, CA 91801
Tel: 323.728.8088 Fax: 323.728.8343

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TTLB TEMPLATE REVISION DATE: 09/30/2016
SHEET ISSUE DATE: 03/03/2014
FILE PATH: File Path

PLOTTED: 3/6/2014



REMOVAL NOTES:

1. REMOVE EXISTING DOMESTIC WATER LINE IN ITS ENTIRETY. COORDINATE SHUT DOWN OF SYSTEM WITH CITY REPRESENTATIVE PRIOR TO START OF REMOVAL.
2. REMOVE EXISTING POOL RETURN LINES IN ITS ENTIRETY.
3. REMOVE EXISTING UTILITY POOL DRAIN LINE IN ITS ENTIRETY.
4. REMOVE EXISTING AREA DECK DRAINS.
5. REMOVE EXISTING CATCH BASIN IN ITS ENTIRETY.
6. REMOVE EXISTING POOL DRAIN IN ITS ENTIRETY.
7. REMOVE EXISTING LIGHT POLE AND FOOTING IN ITS ENTIRETY.
8. REMOVE EXISTING YARD BOX/UTILITY BOX/WATER VALVE.
9. REMOVE EXISTING SANITARY SEWER LINE IN ITS ENTIRETY.
10. REMOVE EXISTING FIRE WATER LINE IN ITS ENTIRETY. COORDINATE SHUT DOWN OF SYTEM WITH CITY REPRESENTATIVE PRIOR TO START OF REMOVAL.
11. REMOVE EXISTING IRRIGATION LINE IN ITS ENTIRETY. COORDINATE WITH DEMOLITION DRAWINGS.
12. REMOVE EXISTING STORM DRAIN LINE IN ITS ENTIRETY.
13. REMOVE EXISTING FIRE DEPARTMENT CONNECTION IN ITS ENTIRETY.
14. REMOVE EXISTING THRUST BLOCK IN ITS ENTIRETY.
15. REMOVE EXISTING CLEANOUT IN ITS ENTIRETY.

PROTECT-IN-PLACE NOTES:

30. PROTECT IN PLACE EXISTING CATCH BASIN.
31. PROTECT IN PLACE EXISTING LIGHT POLE.
32. PROTECT IN PLACE EXISTING PULL BOX/VALVE BOX/CLEAN-OUT BOX.
33. PROTECT IN PLACE EXISTING WATER METER/BACKFLOW PREVENTER.
34. PROTECT IN PLACE EXISTING DOMESTIC WATER LINE.
35. PROTECT IN PLACE EXISTING SEWER LINE.

REMOVAL LEGEND:

REMOVE EXISTING UTILITY LINE. CAP AND PLUG WERE IT OCCURS. ++++++++++

SHEET NOTES:

1. FOR GENERAL NOTES, LEGENDS AND ABBREVIATIONS, SEE SHEETS CD001, CD002, AND CD003
2. SEE ARCHITECTURAL AND LANDSCAPE DRAWINGS FOR OTHER SITE RELATED DIMENSIONS AND PAVING PATTERN NOT SHOWN ON THIS DRAWING.
3. ENTIRE SITE TO BE CLEARED AND GRUBBED. ALL EXISTING TREES WITHIN LIMIT OF WORK TO BE REMOVED.
4. EROSION CONTROL AREA TO BE REMOVED AND RELOCATED AS THE CONSTRUCTION PROGRESSES.
5. CONTRACTOR SHALL POT HOLE AT HIS/HER EXPENSE TO VERIFY EXACT LOCATION AND DEPTH OF EXISTING UTILITY TO REMAIN OR TO BE REMOVED.

UTILITY DEMOLITION PLAN

10 5 0 10 20

SCALE: 1" = 10'

VCA ENGINEERS, INC.

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 09/08/2014
FILE PATH: File Path

LEHRER ARCHITECTS LA
Michael Barry Lehrer, FAIA License No. C12115
2140 Hyperion Avenue Los Angeles, CA 90027-4709
ph 323.664.4747 fax 323.664.3566 lehrerarchitects.com

SCHEMATIC DESIGN
PROJECT ISSUE DATE:

CITY OF LOS ANGELES — DEPARTMENT OF PUBLIC WORKS — BUREAU OF ENGINEERING

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: MICHAEL A. SHULL

GARY LEE MOORE, P.E., ENV SP — CITY ENGINEER
ARCHITECTURAL DIVISION

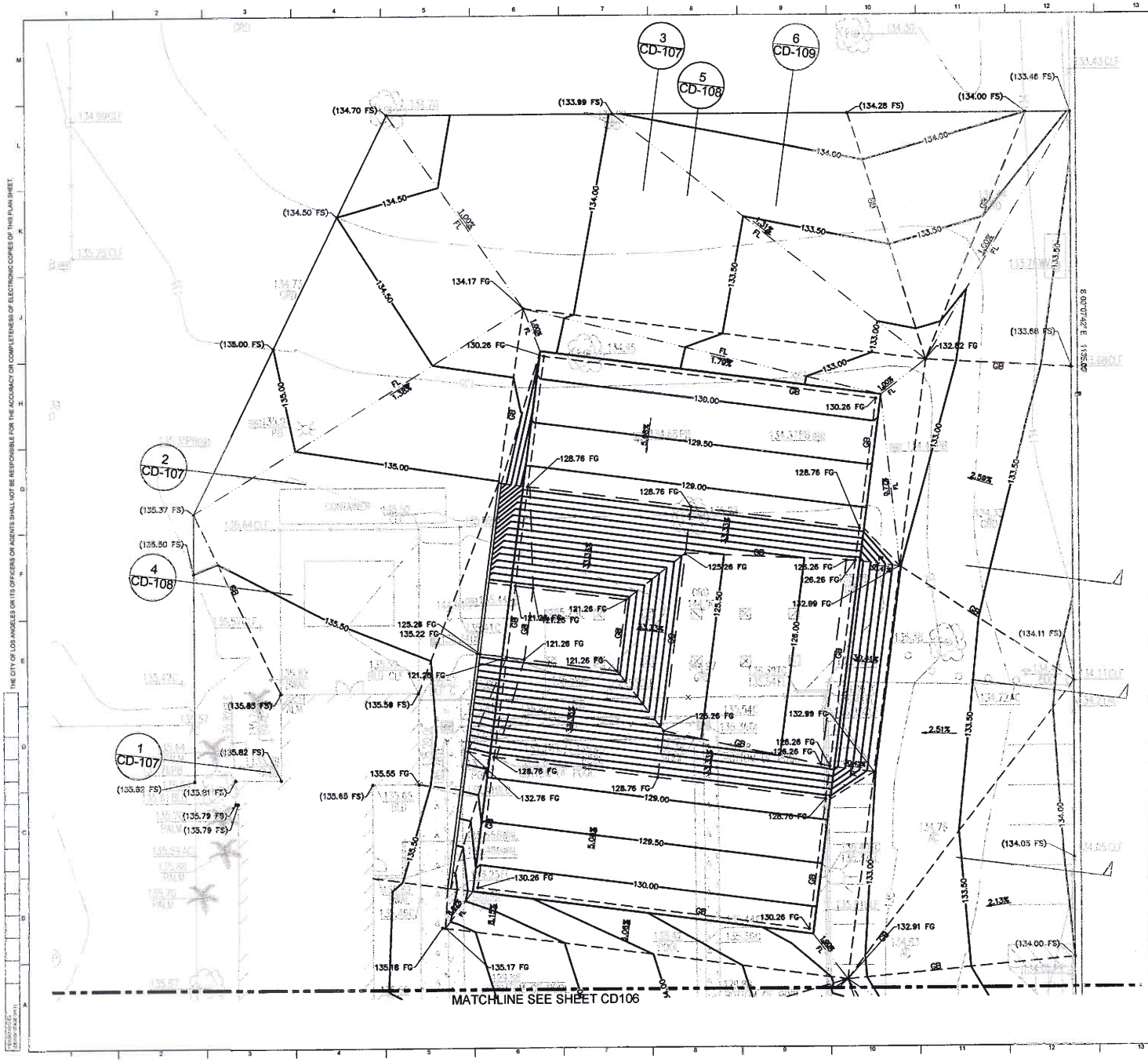
	DATE:
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115	02.03.17
DESIGNED BY: MC	02.03.17
DRAWN BY: VV	02.03.17
CHECKED BY: VCA	02.03.17
APPROVED BY: MAHMOOD KARIMZADEH, AIA, PRINCIPAL ARCHITECT	02.03.17

NO.	REVISION DESCRIPTION	DATE	BY
1	100% SCHEMATIC DESIGN	09/19/16	
2	PLAN CHECK SUBMITTAL	12/02/16	
3	PERMIT SET	01/30/17	
4	BID SET	02/03/17	

INDEX NO. RP_300082
BUILDING NO. –

SHEET TITLE: UTILITY DEMOLITION PLAN
PROJECT: Algin Sutton Pool Replacement Project
ADDRESS: 8800 S HOOVER ST, LOS ANGELES, CA 90044

WORK ORDER NO. 1603
PLAN FILE NO.
DRAWING NO. CD104
SHEET OF SHEETS
PLOTTED 9/8/2014



ESTIMATED EARTHWORK QUANTITY

ESTIMATED CUT = 3990.5 CYDS.

ESTIMATED FILL = 1626.8 CYDS.

NOTES:

1. ESTIMATED FILL INCLUDES THE FILL VOLUME REQUIRED TO FILL THE EXISTING POOL AREA.
2. THE ESTIMATED QUANTITIES PROVIDED ABOVE ARE FOR REFERENCE ONLY TO BE USED ONLY FOR JURISDICTIONAL PLAN CHECKING AND PERMITTING PURPOSES.
3. ESTIMATED EARTHWORK ABOVE IS BASED ON DESIGN ROUGH GRADES TO EXISTING GRADES IN SURVEY, WHERE THE ESTIMATED EARTHWORK VALUES CONSIDER A 10% SHRINKAGE AND SWELL FACTOR.
4. THE CONTRACTOR SHALL CALCULATE HIS OWN EARTHWORK QUANTITIES NECESSARY FOR HIS BID AND WORK.
5. ESTIMATED EARTHWORK QUANTITIES ABOVE ASSUME THAT ALL ON-SITE MATERIALS ARE SUITABLE FOR BACKFILLING. HOWEVER, ACTUAL EXISTING ON-SITE MATERIALS AND IMPORTED MATERIALS MUST FIRST BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO INSTALLATION, REMOVAL, OR REPLACEMENT.
6. UNLESS OTHERWISE NOTED BY THE GEOTECHNICAL ENGINEER DURING ROUGH GRADING OPERATIONS, ANY EXCESS OR ESTIMATED CUT MATERIALS SHALL BE STOCKPILED ON SITE.

ROUGH GRADING PLAN

10 5 0 10 20

SCALE: 1" = 10'

GRADING NOTES:

1. ALL GRADING SLOPES SHALL BE PLANTED AND SPRINKLERED. (7012.1)
2. STANDARD 12 INCH HIGH BERM IS REQUIRED AT TOP OF ALL GRADED SLOPES. (7013.3)
3. NO FILL TO BE PLACED, UNTIL THE CITY GRADING INSPECTOR HAS INSPECTED AND APPROVED THE BOTTOM OF EXCAVATION.
4. MAN-MADE FILL SHALL BE COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 90% MAX DRY DENSITY WITHIN 40 FEET BELOW FINISH GRADE AND 93% OF MAX DRY DENSITY DEEPER THAN 40 FEET BELOW FINISH GRADE, UNLESS A LOWER RELATIVE COMPACTION (NOT LESS THAN 90% OF MAX DRY DENSITY) IS JUSTIFIED BY THE SOILS ENGINEER.
5. TEMPORARY EROSION CONTROL TO BE INSTALLED BETWEEN OCTOBER 1 AND APRIL 15. OBTAIN GRADING INSPECTOR'S AND DEPARTMENT OF PUBLIC WORKS APPROVAL OF PROPOSED PROCEDURES.
6. ALL CUT OR FILL SLOPES SHALL BE NO STEEPER THAN 2:1 (26 DEGREES).
7. STAKE AND FLAG THE PROPERTY LINES IN ACCORDANCE WITH A LICENSED SURVEY MAP.

SHEET NOTE:

1. THE SOILS ENGINEER IS TO APPROVE THE KEY OR BOTTOM AND LEAVE A CERTIFICATE ON THE SITE FOR THE GRADING INSPECTOR. THE GRADING INSPECTOR IS TO BE NOTIFIED BEFORE ANY GRADING BEGINS AND, FOR BOTTOM INSPECTION, BEFORE FILL IS PLACED. FILL MAY NOT BE PLACED WITHOUT APPROVAL OF THE GRADING INSPECTOR.

THIS PLAN HAS BEEN REVIEWED AND CONFORMS TO RECOMMENDATIONS OF GEOTECHNICAL ENGINEERING EXPLORATION REPORT DATED AUGUST, 25 2016

SIGNATURE AND DATE: _____

LEHRER ARCHITECTS LA
11140 Mayfield Avenue, Los Angeles, CA 90049-4703
ph: 310.664.6947 fax: 310.664.2546 lehrerarchitects.com

VCA ENGINEERS, INC.
10415 Garfield Avenue, Suite #210
Tel: 323.729.6888 Fax: 323.729.6343

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
1	100% SCHEMATIC DESIGN	09/19/16	
2	PLAN CHECK SUBMITTAL	12/07/16	
3	BID SET	02/03/17	
4			
5			

INDEX NO. RP-300092 BUILDING NO.

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

GARY LEE MOORE, P.E., ENV SP — CITY ENGINEER — DATE: 02.03.17

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC NO.: C12115 — DATE: 02.03.17
DESIGNED BY: MC — DATE: 02.03.17
DRAWN BY: VV — DATE: 02.03.17
CHECKED BY: VCA — DATE: 02.03.17
APPROVED BY: MAHMOOD KARIMZADEH, AIA PRINCIPAL ARCHITECT — DATE: 02.03.17

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: MICHAEL A. SHULL

SHEET TITLE: ROUGH GRADING PLAN

PROJECT: Algin Sutton Pool Replacement Project

ADDRESS: 8800 S HOOVER ST, LOS ANGELES, CA 90044

SCHEMATIC DESIGN
PROJECT ISSUE DATE:

WORK ORDER NO. 1603
PLAN FILE NO.
DRAWING NO. CD105
SHEET 1 OF SHEETS

PLOTTED: 9/6/2016

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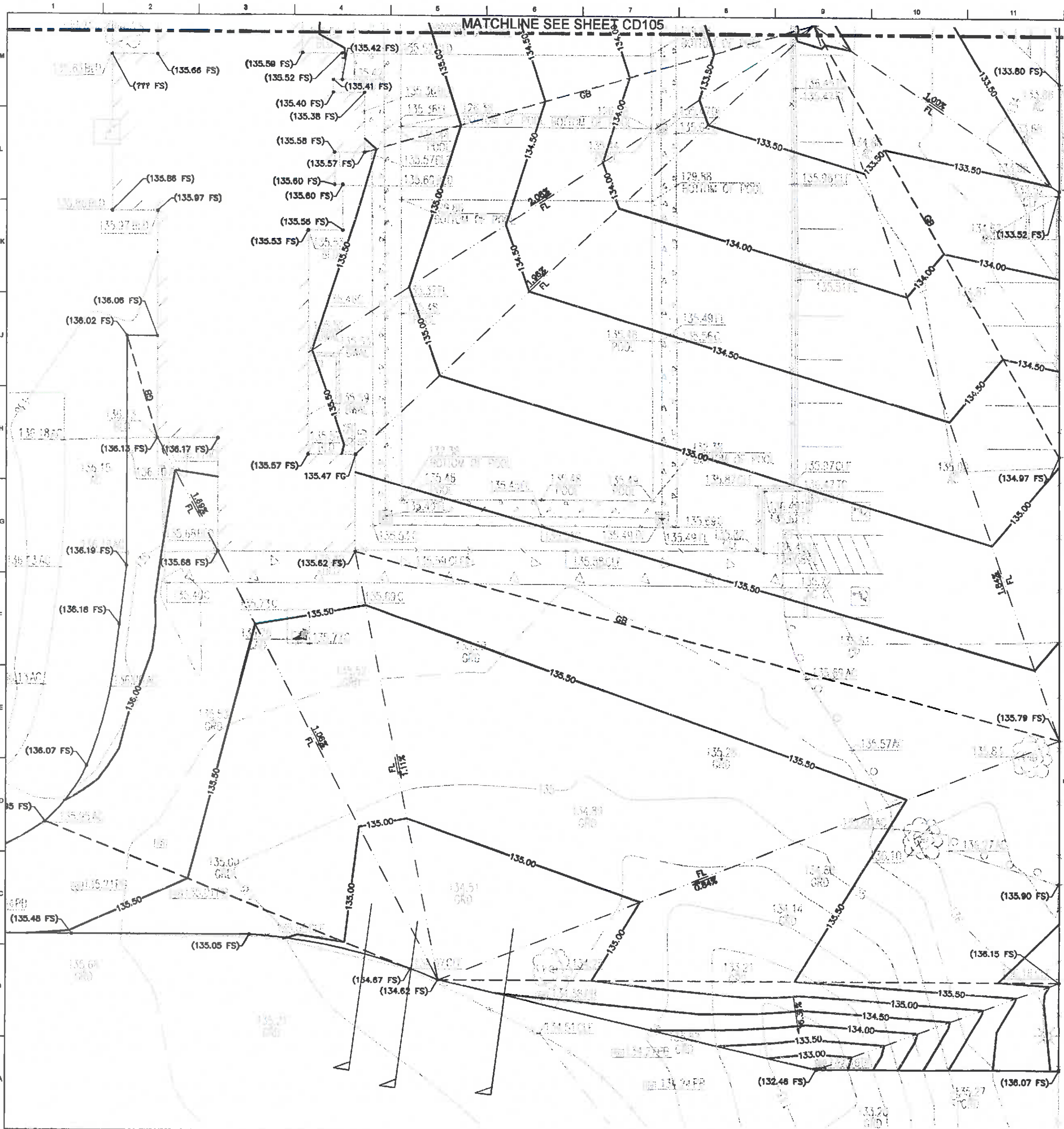
TTLB TEMPLATE REVISION DATE: 09/30/2016
SHEET ISSUE DATE: 09/09/2014
FILE PATH: File Path



ESTIMATED EARTHWORK QUANTITY

ESTIMATED CUT = 3990.5 CYDS.

ESTIMATED FILL = 1826.8 CYDS.

NOTES:

1. ESTIMATED FILL INCLUDES THE FILL VOLUME REQUIRED TO FILL THE EXISTING POOL AREA.
2. THE ESTIMATED QUANTITIES PROVIDED ABOVE ARE FOR REFERENCE ONLY TO BE USED ONLY FOR JURISDICTIONAL PLAN CHECKING AND PERMITTING PURPOSES.
3. ESTIMATED EARTHWORK ABOVE IS BASED ON DESIGN ROUGH GRADES TO EXISTING GRADES IN SURVEY, WHERE THE ESTIMATED EARTHWORK VALUES CONSIDER A 10% SHRINKAGE AND SWELL FACTOR.
4. THE CONTRACTOR SHALL CALCULATE HIS OWN EARTHWORK QUANTITIES NECESSARY FOR HIS BID AND WORK.
5. ESTIMATED EARTHWORK QUANTITIES ABOVE ASSUME THAT ALL ON-SITE MATERIALS ARE SUITABLE FOR BACKFILLING. HOWEVER, ACTUAL EXISTING ON-SITE MATERIALS AND IMPORTED MATERIALS MUST FIRST BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO INSTALLATION, REMOVAL, OR REPLACEMENT.
6. UNLESS OTHERWISE NOTED BY THE GEOTECHNICAL ENGINEER DURING ROUGH GRADING OPERATIONS, ANY EXCESS OR ESTIMATED CUT MATERIALS SHALL BE STOCKPILED ON SITE.

ROUGH GRADING PLAN

SCALE: 1" = 10'

GRADING NOTES:

1. ALL GRADING SLOPES SHALL BE PLANTED AND SPRINKLERED. (7012.1)
2. STANDARD 12 INCH HIGH BERM IS REQUIRED AT TOP OF ALL GRADED SLOPES. (7013.3)
3. NO FILL TO BE PLACED, UNTIL THE CITY GRADING INSPECTOR HAS INSPECTED AND APPROVED THE BOTTOM OF EXCAVATION.
4. MAN-MADE FILL SHALL BE COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 90% MAX DRY DENSITY WITHIN 40 FEET BELOW FINISH GRADE AND 93% OF MAX DRY DENSITY DEEPER THAN 40 FEET BELOW FINISH GRADE, UNLESS A LOWER RELATIVE COMPACTION (NOT LESS THAN 90% OF MAX DRY DENSITY) IS JUSTIFIED BY THE SOILS ENGINEER.
5. TEMPORARY EROSION CONTROL TO BE INSTALLED BETWEEN OCTOBER 1 AND APRIL 15. OBTAIN GRADING INSPECTOR'S AND DEPARTMENT OF PUBLIC WORKS APPROVAL OF PROPOSED PROCEDURES.
6. ALL CUT OR FILL SLOPES SHALL BE NO STEEPER THAN 2:1 (26 DEGREES).
7. STAKE AND FLAG THE PROPERTY LINES IN ACCORDANCE WITH A LICENSED SURVEY MAP.

SHEET NOTE:

1. THE SOILS ENGINEER IS TO APPROVE THE KEY OR BOTTOM AND LEAVE A CERTIFICATE ON THE SITE FOR THE GRADING INSPECTOR. THE GRADING INSPECTOR IS TO BE NOTIFIED BEFORE ANY GRADING BEGINS AND, FOR BOTTOM INSPECTION, BEFORE FILL IS PLACED. FILL MAY NOT BE PLACED WITHOUT APPROVAL OF THE GRADING INSPECTOR.

THIS PLAN HAS BEEN REVIEWED AND CONFORMS TO RECOMMENDATIONS OF GEOTECHNICAL ENGINEERING EXPLORATION REPORT DATED AUGUST, 25 2016

SIGNATURE AND DATE: ______________

MCA ENGINEERS INC

LEHRER ARCHITECTS LA
Michael Berry Lehrer, FAIA License No C12115
2140 Hyperion Avenue Los Angeles, CA 90027-4709
ph 323.664.4747 fax 323.664.3566 lehrerarchitects.com

SCHEMATIC DESIGN
PROJECT ISSUE DATE:

CITY OF LOS ANGELES — DEPARTMENT OF PUBLIC WORKS — BUREAU OF ENGINEERING

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: MICHAEL A. SHULL

GARY LEE MOORE, P.E., ENV SP — CITY ENGINEER

ARCHITECTURAL DIVISION

		DATE:
ARCHITECT:	MICHAEL B. LEHRER, FAIA LIC. NO.: C12115	02.03.17
DESIGNED BY:	MC	02.03.17
DRAWN BY:	VV	02.03.17
CHECKED BY:	VCA	02.03.17
APPROVED BY:	MAHMOOD KARIMZADEH, AIA, PRINCIPAL ARCHITECT	02.03.17

NO.	REVISION DESCRIPTION	DATE	BY
1	100% SCHEMATIC DESIGN	09/19/16	
2	PLAN CHECK SUBMITTAL	12/02/16	
3	PERMIT SET	01/30/17	
4	BID SET	02/03/17	

INDEX NO. RP_300082

BUILDING NO. -

SHEET TITLE: ROUGH GRADING PLAN

PROJECT: Algin Sutton Pool Replacement Project

ADDRESS: 8800 S HOOVER ST, LOS ANGELES, CA 90044

WORK ORDER NO. 1603

PLAN FILE NO.

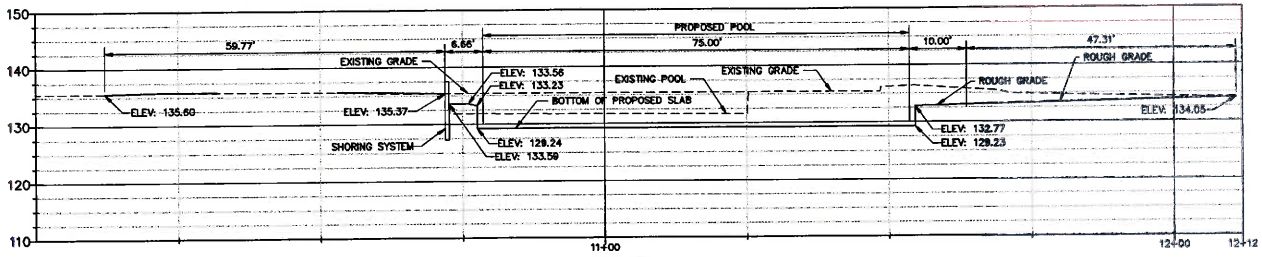
DRAWING NO. CD106

SHEET 0 F SHEETS

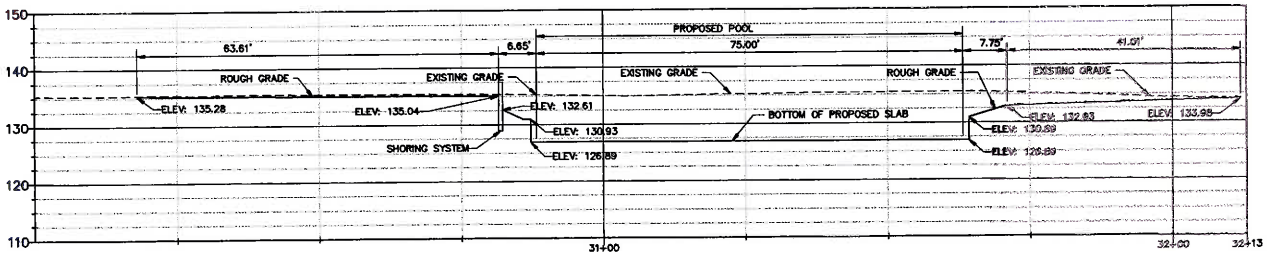
PLOTTED 9/8/2014

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TTLB TEMPLATE REVISION DATE: 06/30/2016 FILE PATH: File Path
SHEET ISSUE DATE: 09/08/2014



GRADING SECTION-1 (1 / CD105)
SCALE HOR 1"=10' VER 1"=4'



GRADING SECTION-2 (2 / CD105)
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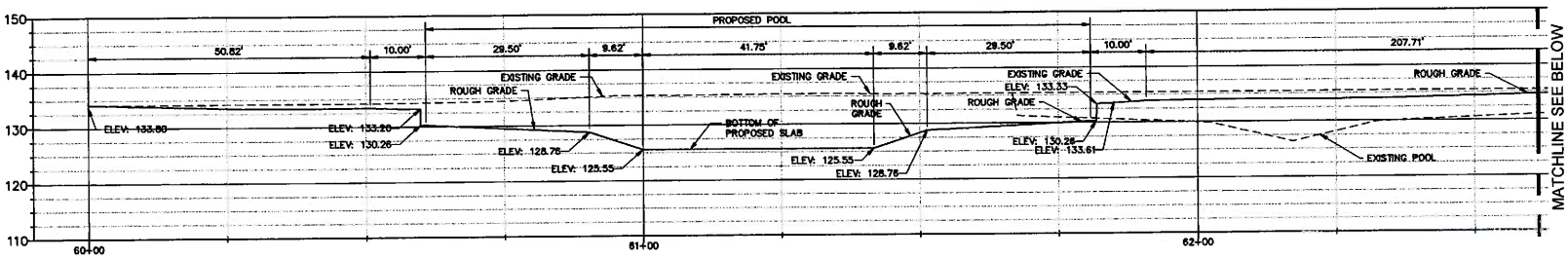

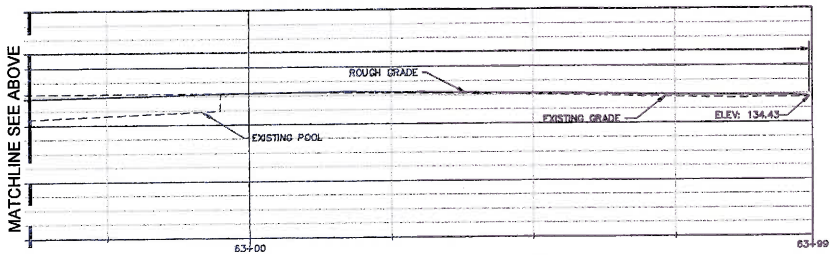

GRADING SECTION-3 (3 / CD105)
SCALE HOR 1"=10' VER 1"=4'

THIS PLAN HAS BEEN REVIEWED AND CONFORMS TO RECOMMENDATIONS OF GEOTECHNICAL ENGINEERING EXPLORATION REPORT DATED AUGUST, 25 2016

SIGNATURE AND DATE: _____

LEHRER ARCHITECTS LA
2140 Hyperion Avenue Los Angeles, CA 90027-4705
ph 323.644.4747 fax 323.644.1565 lehrerarchitects.com

MCA ENGINEERS INC
Mel S. Corbett Avenue, Suite #210
Alhambra, CA 91801
Tel 323.773.6288 Fax 323.781.8043

BUREAU OF ENGINEERING
ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
1	100% SCHEMATIC DESIGN	09/19/16	
2	PERMIT SET	01/03/17	
3	PLANCHECK SUBMITTAL	01/03/17	
4	BID SET	02/03/17	

INDEX NO. RP_320682 BUILDING NO. -

DEPARTMENT OF PUBLIC WORKS
GARY LEE MOORE, P.E. ENV. SP.
CITY ENGINEER

	DATE
ARCHITECT: MICHAEL B. LEHRER / FAIA LIC. NO. C-13116	02.03.17
DESIGNED BY: MC	02.03.17
DRAWN BY: VV	02.03.17
CHECKED BY: VCA	02.03.17
APPROVED BY: MAHMOOD KARIMZADEH, AIA, PRINCIPAL ARCHITECT	02.03.17

CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: MICHAEL A. SHULL

SCHEMATIC DESIGN
PROJECT ISSUE DATE:

SHEET TITLE: ROUGH GRADING SECTION
PROJECT: Algin Sutton Pool Replacement Project
ADDRESS: 8800 S HOOVER ST, LOS ANGELES, CA 90044

WORK ORDER NO. 1603
PLAN FILE NO.
DRAWING NO. CD107
SHEET 0 OF SHEETS

PLOTTED 9/6/2016

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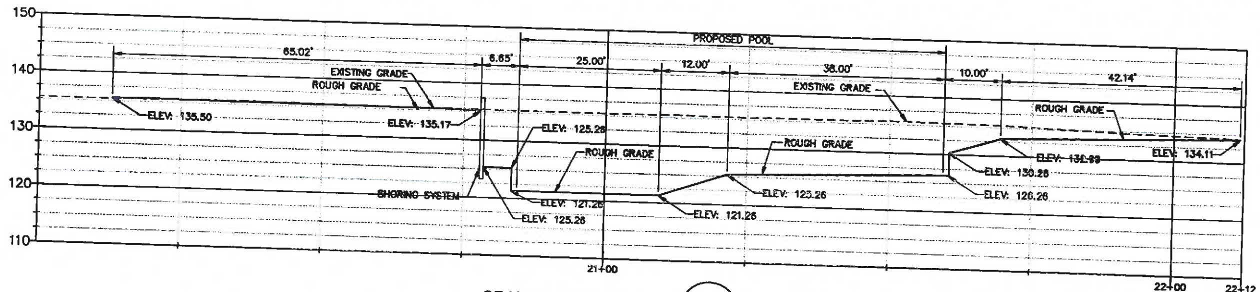
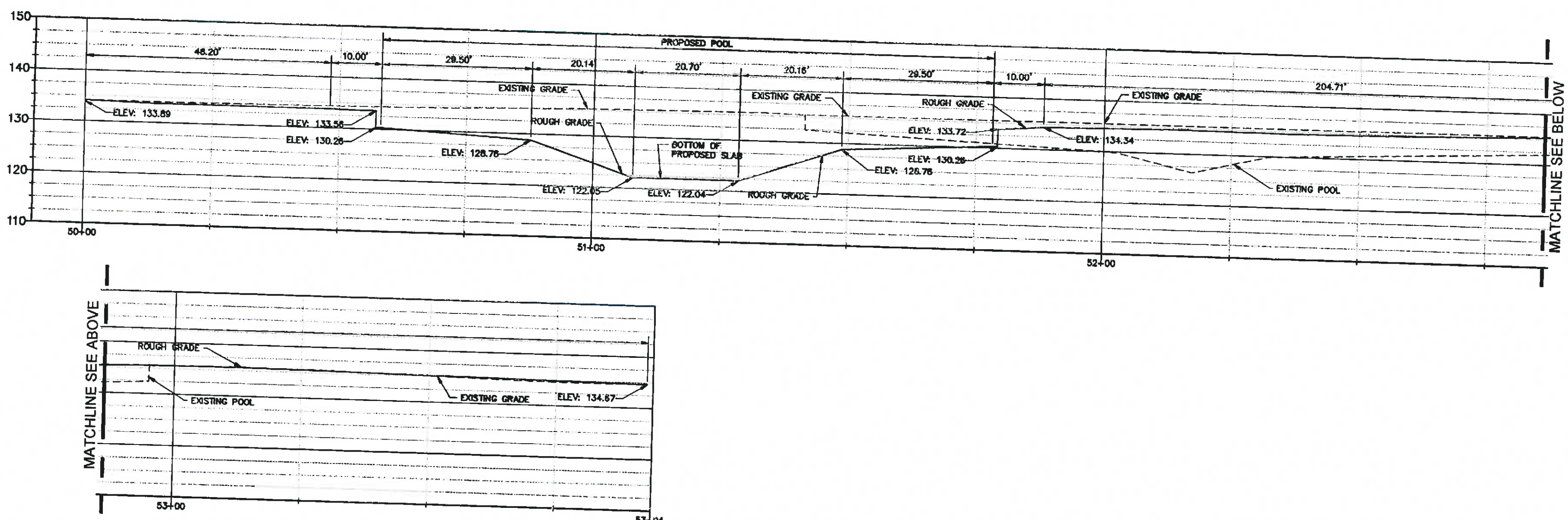
TITLE TEMPLATE REVISION DATE: 09/05/2016
SHEET ISSUE DATE: 09/06/2016
FILE PATH: File Path



GRADING SECTION-1
SCALE HOR 1"=10' VER 1"=4'
4
CD105



GRADING SECTION-2
SCALE HOR 1"=10' VER 1"=4'
5
CD105

THIS PLAN HAS BEEN REVIEWED AND CONFORMS TO RECOMMENDATIONS OF GEOTECHNICAL ENGINEERING EXPLORATION REPORT DATED AUGUST, 25 2016

SIGNATURE AND DATE: ____________

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

LEHRER ARCHITECTS LA

VCA ENGINEERS, INC.

BUREAU OF ENGINEERING

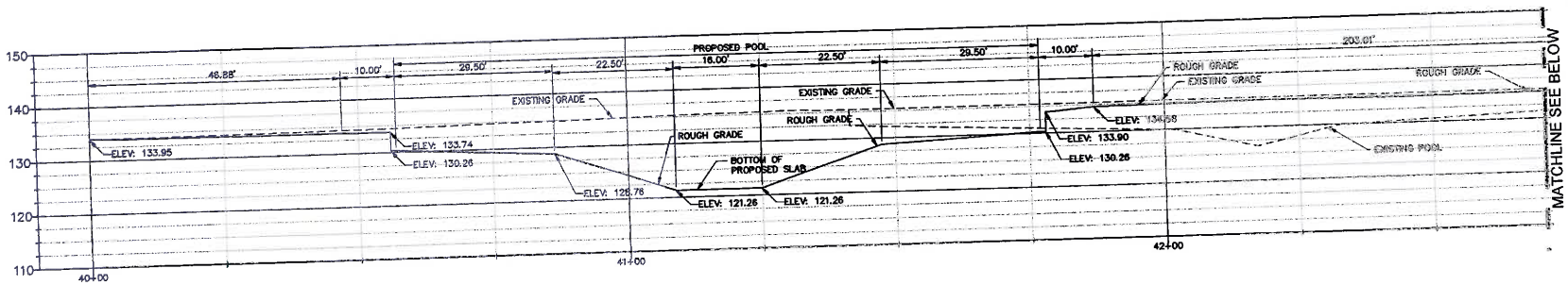
NO.	REVISION DESCRIPTION
1	100% SCHEMATIC DESIGN
2	PLAN CHECK SUBMITTAL
3	PERMIT SET
4	BID SET

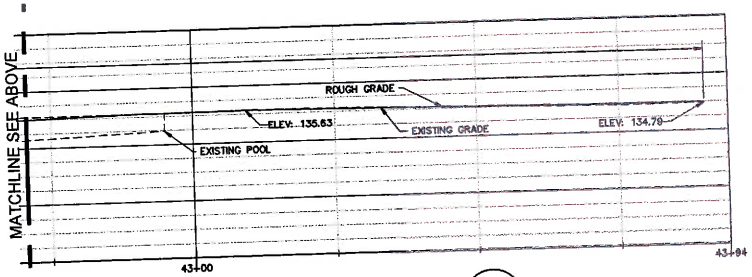
DEPARTMENT OF PUBLIC WORKS
GARY LEE MOORE, P.E., ENV SP — CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MC
DRAWN BY: VV
CHECKED BY: VCA
APPROVED BY: MAHMOOD KARIMZADEH, AIA, PRINCIPAL ARCHITECT

CITY OF LOS ANGELES
CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: MICHAEL A. SHULL
SHEET TITLE: ROUGH GRADING SECTION
PROJECT: Algin Sutton Pool Replacement Project
ADDRESS: 8800 S HOOVER ST, LOS ANGELES, CA 90044

SCHEMATIC DESIGN
PROJECT ISSUE DATE:

WORK ORDER NO. 1603
PLAN FILE NO.
DRAWING NO. CD108
SHEET OF SHEETS





GRADING SECTION-3 (6 / CD105)
SCALE HOR 1"=10' VER 1"=4'

THIS PLAN HAS BEEN REVIEWED AND CONFORMS TO RECOMMENDATIONS OF GEOTECHNICAL ENGINEERING EXPLORATION REPORT DATED AUGUST, 25 2016

SIGNATURE AND DATE: _____

LEHRER ARCHITECTS LA
2140 Hyperion Avenue Los Angeles, CA 90027-4704
ph 323.644.4747 fax 323.644.3566 lehrerarchitects.com

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	DESCRIPTION	DATE	BY
1	100% SCHEMATIC DESIGN	09/19/16	
2	PLAN CHECK SUBMITTAL	12/02/16	
3	PERMIT SET	01/13/17	
4	BID SET	02/03/17	

BUILDING NO.
RP_300882
INDEX NO.

GARY LEE MOORE, P.E., ENV SP — CITY ENGINEER — DATE: 02.03.17
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA — LIC. NO.: C12115 — DATE: 02.03.17
DESIGNED BY: MC — DATE: 02.03.17
DRAWN BY: VV — DATE: 02.03.17
CHECKED BY: VCA — DATE: 02.03.17
APPROVED BY: MAHMOOD KARIMZADEH, AIA, PRINCIPAL ARCHITECT — DATE: 02.03.17

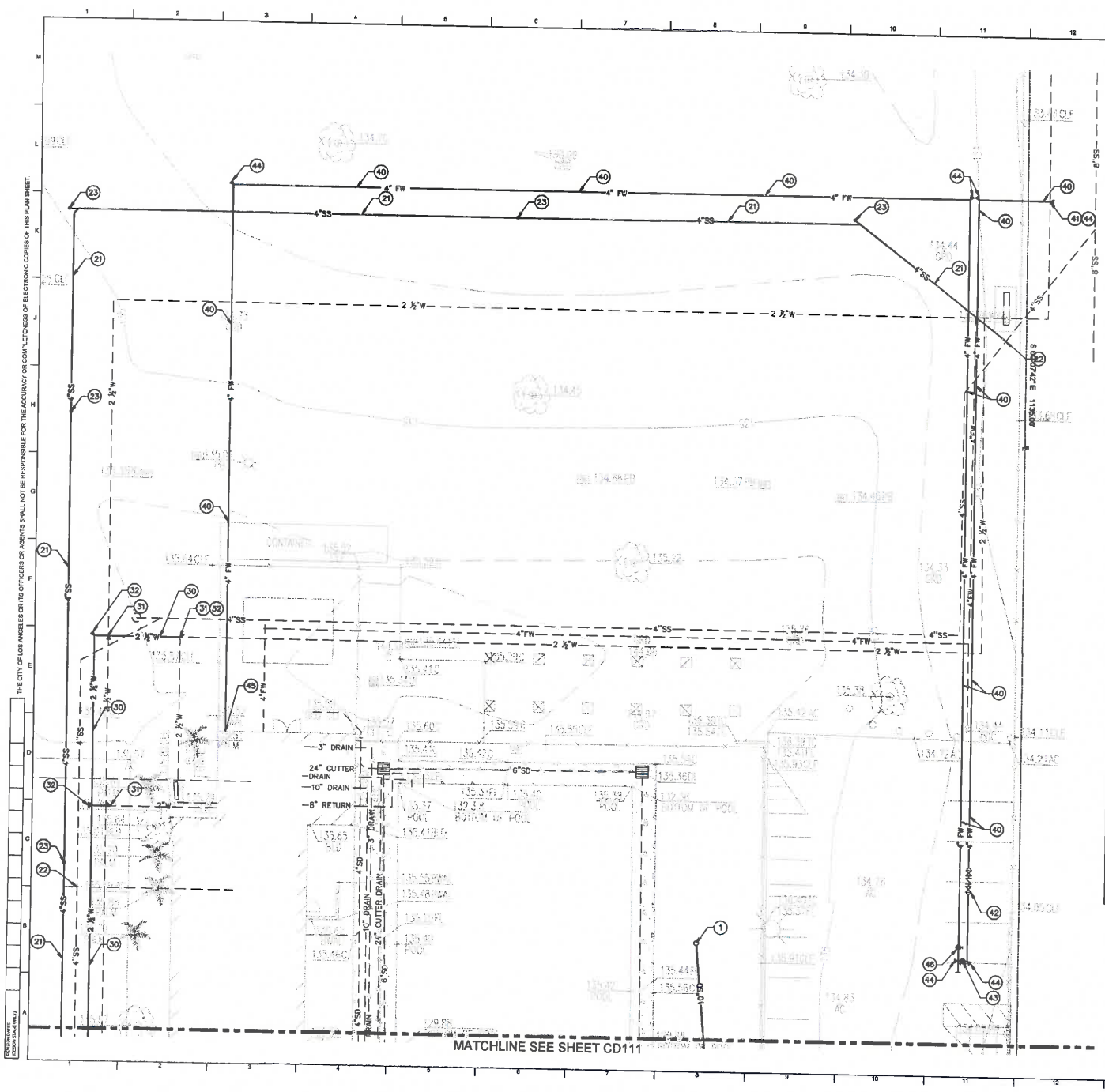
SCHEMATIC DESIGN
PROJECT ISSUE DATE:
CITY OF LOS ANGELES
CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: MICHAEL A. SHULL
SHEET TITLE: ROUGH GRADING SECTION
PROJECT: Algin Sutton Pool Replacement Project
ADDRESS: 8800 S HOOVER ST., LOS ANGELES, CA 90044

WORK ORDER NO. 1603
PLAN FILE NO.
DRAWING NO. CD109
SHEET — OF — SHEETS

VCA ENGINEERS, INC. — STRUCTURAL — MECHANICAL — ELECTRICAL — PLUMBING
1641 S. Garfield Avenue, Suite #210, Alhambra, CA 91801
Tel: 323.728.8080 Fax: 323.728.8043

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET

TTLB TEMPLATE REVISION DATE: 09/30/2016
SHEET ISSUE DATE: 09/08/2014
FILE PATH: File Path
PLOTTED: 9/8/2014



CONSTRUCTION NOTES:

STORM DRAIN:

1. INSTALL SDR-35 STORM DRAIN OVERFLOW LINE PER DETAIL 1 ON SHEET CD116. SEE PLAN FOR SIZES.
2. CONNECT TO EXISTING ONSITE CATCH BASIN.

SANITARY SEWER:

21. INSTALL SDR-35 SANITARY SEWER PIPE PER DETAIL 1 ON SHEET CD116. SEE PLAN FOR SIZES.
22. CONNECT TO EXISTING SANITARY SEWER LINE.
23. INSTALL CLEANOUT PER DETAIL 2 ON SHEET CD116.

WATER:

30. INSTALL 2 1/2" COPPER TYPE "L" WATER PIPE PER DETAIL 1 ON SHEET CD116.
31. CONNECT TO EXISTING WATER MAIN. VERIFY SIZE IN FIELD AND PROVIDE REDUCING FITTINGS AND COUPLINGS AS NEEDED. VERIFY LOCATION IN FIELD PRIOR TO CONSTRUCTION/INSTALLATION.
32. INSTALL THRUST BLOCK PER DETAIL 3 ON SHEET CD116.

FIRE WATER:

40. INSTALL 4" AWWA C900 PVC PRESSURE CLASS DR14 FIRE WATER PIPE PER DETAIL 1 ON SHEET CD116.
41. CONNECT TO EXISTING WATER MAIN. VERIFY SIZE IN FIELD AND PROVIDE REDUCING FITTINGS AND COUPLINGS AS NEEDED. VERIFY LOCATION IN FIELD PRIOR TO CONSTRUCTION/INSTALLATION.
42. INSTALL BACKFLOW PREVENTOR PER DETAIL 2 ON SHEET CD117.
43. INSTALL FIRE DEPARTMENT CONNECTION PER DETAIL 1 ON SHEET CD117.
44. INSTALL THRUST BLOCK PER DETAIL 3 ON SHEET CD116.
45. CONNECT TO BUILDING FIRE WATER CONNECTION. PROVIDE REDUCING FITTINGS AND COUPLINGS AS NEEDED.
46. INSTALL POST INDICATOR VALVE PER DETAIL 4 ON SHEET CD116.

SHEET NOTE:

1. CONTRACTOR SHALL VERIFY LOCATION, SIZE, AND DEPTH OF (E) UTILITY LINE AT POINT OF CONNECTION PRIOR TO TRENCHING FOR NEW UTILITY IMPROVEMENTS.
2. CONTRACTOR SHOULD VERIFY ALL EXISTING INVERT ELEVATIONS WITHIN PUBLIC RIGHT OF WAY AND COORDINATE WITH CIVIL BEFORE THE START OF ANY ONSITE STORM DRAIN SYSTEM INSTALLATION.

SITE UTILITY PLAN

10 5 0 10 20

SCALE: 1" = 10'

TTLB TEMPLATE REVISION DATE: 06/09/2016
SHEET ISSUE DATE: 09/08/2014
FILE PATH: File Path

LEHRER ARCHITECTS LA
Michael B. Lehrer, AIA, LEED AP
11400 Hyperion Avenue Los Angeles, CA 90027-4116
ph 323.664.4747 fax 323.664.3366 lehrerarchitects.com

MCA ENGINEERS INC
Civil Engineering
1041 E. Garfield Avenue, Suite #216
Glendale, CA 91201
Tel 323 726 6238 Fax 323 726 6240

SCHEMATIC DESIGN
PROJECT ISSUE DATE:

CITY OF LOS ANGELES
CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: MICHAEL A. SHULL

SHEET TITLE: UTILITY PLAN
PROJECT: Algin Sutton Pool Replacement Project
ADDRESS: 8500 S HOOVER ST, LOS ANGELES, CA 90044

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
GARY LEE MOORE, P.E., ENV SP — CITY ENGINEER — DATE:
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA — LIC. NO.: C12115 — 02.03.17
DESIGNED BY: MC — 02.03.17
DRAWN BY: VV — 02.03.17
CHECKED BY: VCA — 02.03.17
APPROVED BY: MAHMOOD KARIMZADEH, AIA, PRINCIPAL ARCHITECT — 02.03.17

NO.	REVISION DESCRIPTION	DATE	BY
1	100% SCHEMATIC DESIGN	06/19/16	
2	PLAN CHECK SUBMITTAL	12/02/16	
3	PERMIT SET	03/06/17	
4	BID SET	02/03/17	

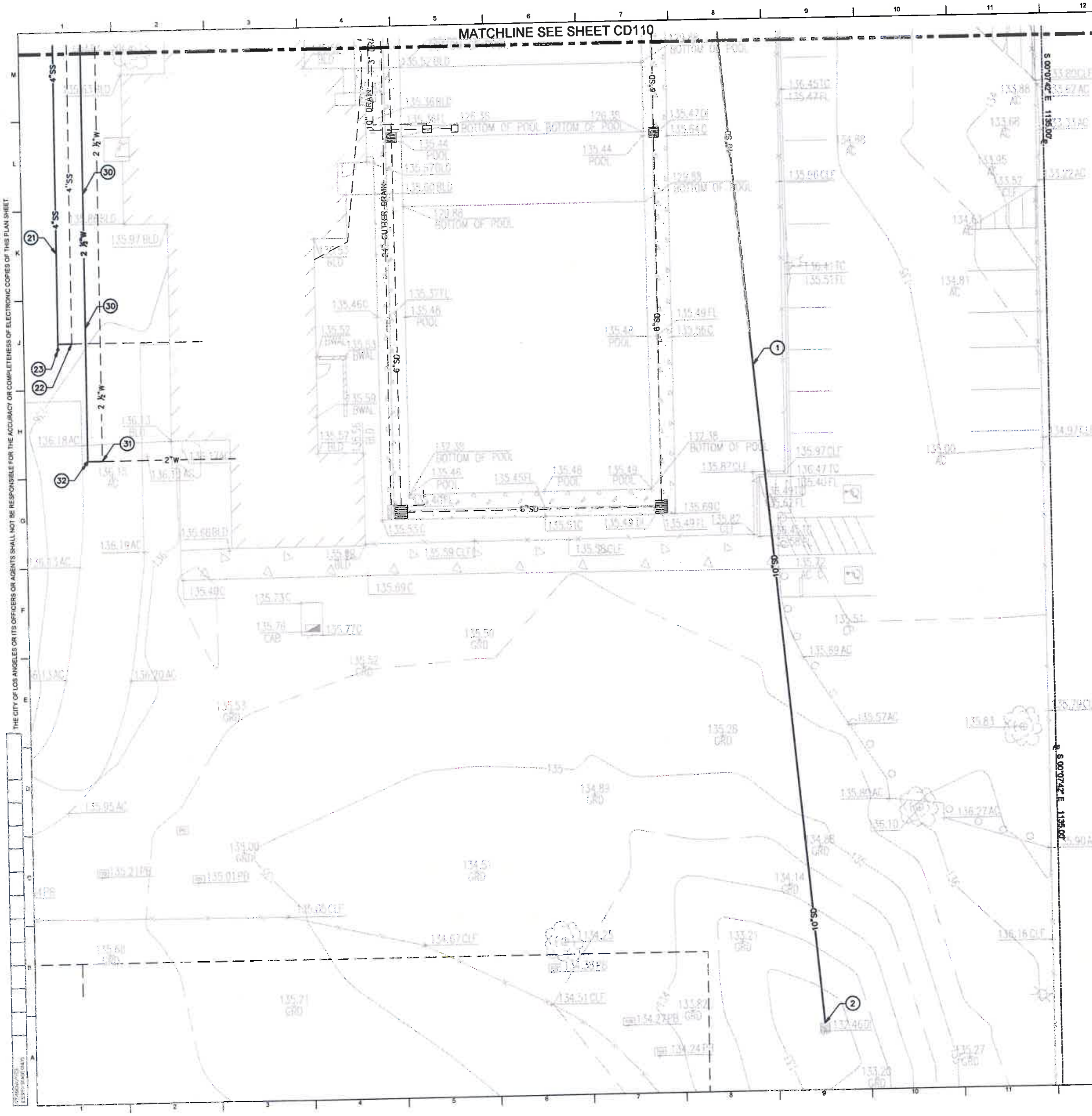
INDEX NO. — RF_300982 — BUILDING NO. —

ENGINEERING
CITY OF LOS ANGELES

C28076 Exp. 9/30/18 CIVIL STATE OF CALIFORNIA

WORK ORDER NO. 1603
PLAN FILE NO.
DRAWING NO. CD110
SHEET 0 OF SHEETS

PLOTTED: 6/8/2017



CONSTRUCTION NOTES:

STORM DRAIN:

1. INSTALL SDR-35 STORM DRAIN OVERFLOW LINE PER DETAIL 1 ON SHEET CD116. SEE PLAN FOR SIZES.
2. CONNECT TO EXISTING ONSITE CATCH BASIN.

SANITARY SEWER:

21. INSTALL SDR-35 SANITARY SEWER PIPE PER DETAIL 1 ON SHEET CD116. SEE PLAN FOR SIZES.
22. CONNECT TO EXISTING SANITARY SEWER LINE.
23. INSTALL CLEANOUT PER DETAIL 2 ON SHEET CD116.

WATER:

30. INSTALL 2 1/2" COPPER TYPE "L" WATER PIPE PER DETAIL 1 ON SHEET CD116.
31. CONNECT TO EXISTING WATER MAIN. VERIFY SIZE IN FIELD AND PROVIDE REDUCING FITTINGS AND COUPLINGS AS NEEDED. VERIFY LOCATION IN FIELD PRIOR TO CONSTRUCTION/INSTALLATION.
32. INSTALL THRUST BLOCK PER DETAIL 3 ON SHEET CD116.

FIRE WATER:

40. INSTALL 4" AWWA C900 PVC PRESSURE CLASS DR14 FIRE WATER PIPE PER DETAIL 1 ON SHEET CD116.
41. CONNECT TO EXISTING WATER MAIN. VERIFY SIZE IN FIELD AND PROVIDE REDUCING FITTINGS AND COUPLINGS AS NEEDED. VERIFY LOCATION IN FIELD PRIOR TO CONSTRUCTION/INSTALLATION.
42. INSTALL BACKFLOW PREVENTOR PER DETAIL 2 ON SHEET CD117.
43. INSTALL FIRE DEPARTMENT CONNECTION PER DETAIL 1 ON SHEET CD117.
44. INSTALL THRUST BLOCK PER DETAIL 3 ON SHEET CD116.
45. CONNECT TO BUILDING FIRE WATER CONNECTION. PROVIDE REDUCING FITTINGS AND COUPLINGS AS NEEDED.
46. INSTALL POST INDICATOR VALVE PER DETAIL 4 ON SHEET CD116.

SHEET NOTE:

1. CONTRACTOR SHALL VERIFY LOCATION, SIZE, AND DEPTH OF (E) UTILITY LINE AT POINT OF CONNECTION PRIOR TO TRENCHING FOR NEW UTILITY IMPROVEMENTS.
2. CONTRACTOR SHOULD VERIFY ALL EXISTING INVERT ELEVATIONS WITHIN PUBLIC RIGHT OF WAY AND COORDINATE WITH CIVIL BEFORE THE START OF ANY ONSITE STORM DRAIN SYSTEM INSTALLATION.

SITE UTILITY PLAN

SCALE: 1" = 10'

VCA ENGINEERS, INC.

LEHRER ARCHITECTS LA
2140 Hyperion Avenue Los Angeles, CA 90027-4708
ph 323.664.4747 fax 323.664.3566

SCHEMATIC DESIGN
PROJECT ISSUE DATE:

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: MICHAEL A. SHULL

GARY LEE MOORE, P.E., ENV SP — CITY ENGINEER
ARCHITECTURAL DIVISION

	DATE:
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO: C12115	02.03.17
DESIGNED BY: MC	02.03.17
DRAWN BY: VV	02.03.17
CHECKED BY: VCA	02.03.17
APPROVED BY: MAHMOOD KARIMZADEH, AIA, PRINCIPAL ARCHITECT	02.03.17

NO.	REVISION DESCRIPTION	DATE	BY
1	100% SCHEMATIC DESIGN	09/19/16	
2	PLAN CHECK SUBMITTAL	12/02/16	
3	PERMIT SET	01/30/17	
4	BID SET	02/03/17	

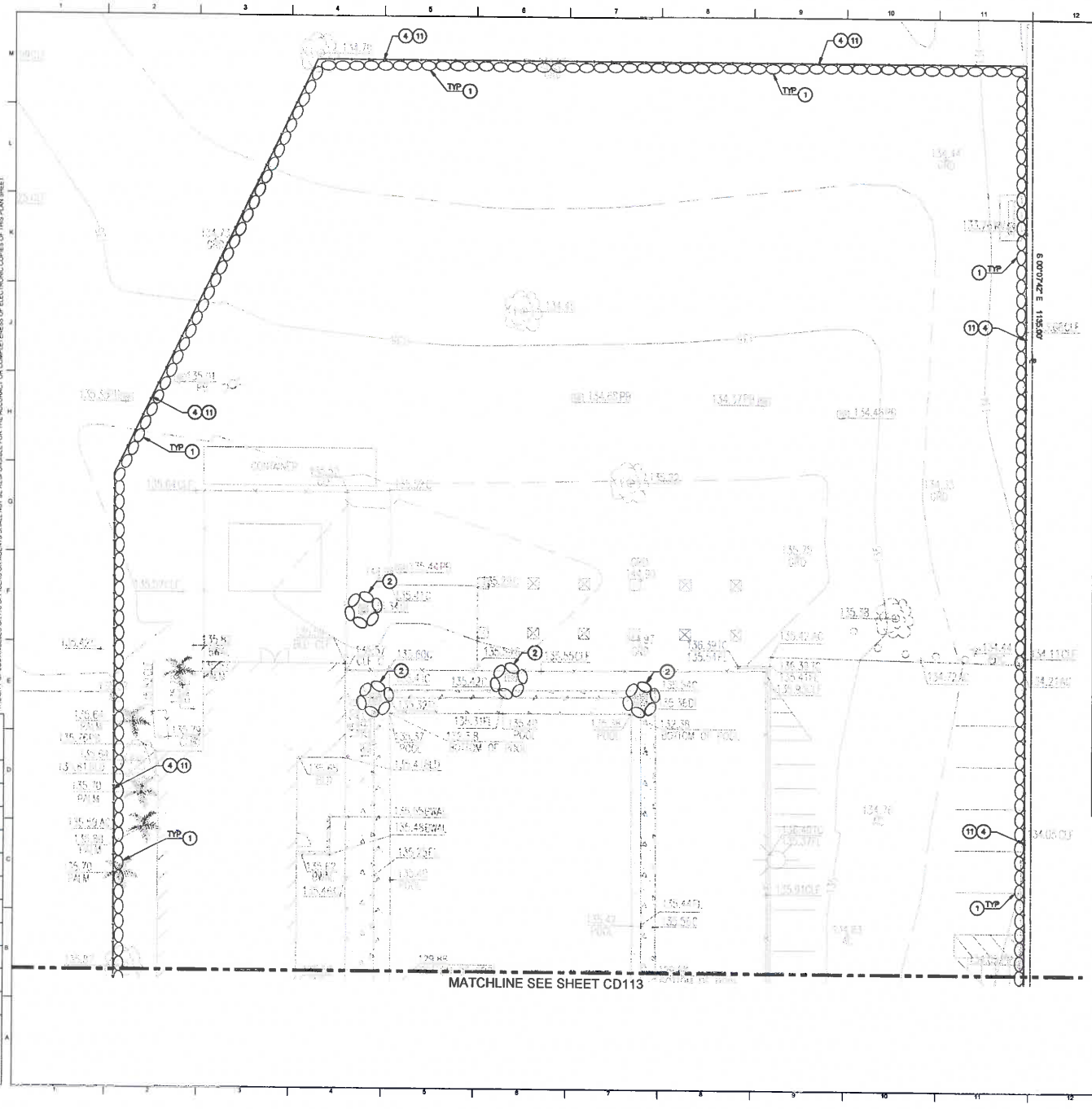
INDEX NO. RP_300082
BUILDING NO. -

SHEET TITLE: UTILITY PLAN
PROJECT: Algin Sutton Pool Replacement Project
ADDRESS: 8800 S HOOVER ST, LOS ANGELES, CA 90044

WORK ORDER NO. 1603
PLAN FILE NO.
DRAWING NO. CD111
SHEET OF SHEETS

PLOTTED 9/8/2014

TTLB TEMPLATE REVISION DATE: 09/30/2016
SHEET ISSUE DATE: 09/08/2014
FILE PATH: File Path



CONSTRUCTION NOTES:

1. INSTALL GRAVEL BAGS UNTIL THE COMPLETION OF THE SITE CONSTRUCTION. REFER TO DETAIL 2 ON SHEET CD113.
2. CATCH BASIN / INLET PROTECTION PER DETAIL 12 ON SHEET CD114.
3. STABILIZED CONSTRUCTION ENTRANCE/EXIT PER DETAIL 4 ON SHEET CD111 AND DETAIL 11 ON SHEET CD1124.
4. SILT FENCE PER DETAIL 5 ON SHEET CD113. INSTALL SILT FENCE ON TEMPORARY CONSTRUCTION FENCE.
5. PROPOSED AREA FOR EQUIPMENT STAGING. CONTRACTOR TO VERIFY EXACT LOCATION AND COORDINATE WITH THE CPM.
6. PROPOSED AREA FOR FUELING/OILING. CONTRACTOR TO VERIFY ACTUAL AREA NEEDED AND COORDINATE WITH THE CPM. (NS-9), (NS-10) AND DETAIL 9 ON SHEET CD114.
7. PROPOSED AREA FOR LOADING. CONTRACTOR TO VERIFY EXACT LOCATION AND COORDINATE WITH THE CPM.
8. TRUCK TRAVEL ROUTE.
9. PROPOSED AREA FOR TEMPORARY TOILETS. CONTRACTOR TO VERIFY EXACT LOCATION AND COORDINATE WITH THE CPM.
10. TIRE WASH PER DETAIL 8 ON SHEET CD114.
11. TEMPORARY FENCING. FENCING SHALL BE MINIMUM 8 FEET TALL AND SHALL HAVE A DUST/VISION BARRIER ALONG THE FULL LENGTH. THE DUST/VISION BARRIER SHALL EXTEND THE LENGTH OF THE CONSTRUCTION SITE. THE FENCING SHALL BE ANCHORED TO THE SURFACE AND SHALL BE ABLE TO WITHSTAND A 200-POUND HORIZONTAL POINT LOAD IN ANY DIRECTION. TEMPORARY FENCING POLES AND GATES POST SHALL BE DRIVEN INTO THE GROUND. FENCE STANDS WILL NOT BE ALLOWED. WORK AREA AND STAGING AREA SHALL BE SECURE AT ALL TIMES. THE FENCE SHALL BE LEFT IN PLACE FOR FUTURE USE BY THE GENERAL CONTRACTOR THAT WILL BUILD THE REPLACEMENT POOL.

SHEET NOTES:

1. LOCATION FOR ANY DESIGNATED STOCKPILES SHALL BE COORDINATED AND DETERMINED BY THE CONTRACTOR ON-SITE. CONTRACTOR SHALL APPLY ALL APPLICABLE BMP'S TO PROTECT THE STOCKPILE AS OUTLINED IN DETAIL 7 ON SHEET CD113.
2. INSTALL 2" OF TEMPORARY CAB GRAVEL ON ALL ON-SITE CONSTRUCTION ROADWAYS TO STABILIZED AND CONTROL EROSION.
3. CONTRACTOR SHALL FROM TIME TO TIME MONITOR THE CONSTRUCTION SITE TO CLEAN AND SWEEP MATERIALS TRACKED OFF SITE.
4. ALL BMP'S, SAND BAGS, SILT FENCES ETC., SHALL BE MONITORED AND MAINTAINED BY THE CONTRACTOR FOR THE ENTIRE DURATION OF THE CONTRACT.
5. CONTRACTOR SHALL MONITOR WASTEWATER DISCHARGE (INCLUDING STORM RUNOFF) TO ENSURE IT MEETS STANDARDS SET BY APPROPRIATE LAWS, CODES, REGULATIONS, ORDINANCES AND PERMITS. PROVIDE A SETTLING BASIN AND OIL SEPARATOR PRIOR TO ITS DISCHARGE TO CITY OR COUNTY SEWERS. PROVIDE A WATER SAMPLING STATION DOWNSTREAM OF BASIN FOR MONITORING OF WASTE WATER. DISPOSE OF WASTEWATER IN CLOSED CONDUITS SO AS NOT TO DAMAGE PUBLIC OR PRIVATE PROPERTY NOR CREATE A NUISANCE OR HEALTH HAZARD.
6. CONTRACTOR SHALL NOT DISCHARGE POLLUTANTS DOWNSTREAM OF ANY SETTLING BASIN/OIL SEPERATOR(S). THESE POLLUTANTS INCLUDE LUBRICANTS, FUELS, CHEMICALS, AND BITUMENS. CONTROL USE OF LUBRICATING OILS, HYDRAULIC FLUIDS, GREASES, AND OTHER SUCH PRODUCTS. PROMPTLY CLEAN UP AND PROPERLY DISPOSE OF MATERIALS CONTAMINATED BY SPILLAGE OR LEAKAGE OF PRODUCTS.
7. FOR EROSION CONTROL GENERAL NOTES, AND MISCELLANEOUS REQUIREMENTS, SEE DETAIL 1 ON SHEET CD113.
8. CONTRACTOR SHALL PROVIDE WEEKLY PROFESSIONAL STREET SWEEPING SERVICES ON LINDBROOK DRIVE, HILGARD AVE., AND ALONG THE TRUCK ROUTE TO THE NEAREST BLOCK. CONTRACTOR SHALL INSPECT ON A DAILY BASIS IMMEDIATE ACCESS ROADS.
9. CONTRACTOR SHALL PROTECT ALL EXISTING DRAIN INLETS WITHIN A 500-FOOT RADIUS FROM THE CENTER OF THE SITE TO PREVENT NON-STORMWATER RUNOFF FROM ENTERING THE STORM DRAIN SYSTEM.

EROSION CONTROL PLAN

10 5 0 10 20

SCALE: 1" = 10'

LEHRER ARCHITECTS LA
Michael B. Lehrer, FAIA, LEED AP
1148 Hyperion Avenue Los Angeles, CA 90027-4416
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BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
1	100% SCHEMATIC DESIGN	09/19/16	
2	PLAN CHECK SUBMITTAL	12/02/16	
3	100% BID SET	01/03/17	
4	BID SET	02/03/17	

MSEN NO. RP_300002 BUILDING NO. -

DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, P.E., ENV SP — CITY ENGINEER — DATE: 02.03.17

ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA — LIC. NO.: C13115 — DATE: 02.03.17

DESIGNED BY: MC — 02.03.17

DRAWN BY: VV — 02.03.17

CHECKED BY: VCA — 02.03.17

APPROVED BY: MAHMOOD KARIMZADEH, AIA, PRINCIPAL ARCHITECT — 02.03.17

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: MICHAEL A. SHULL

SHEET TITLE: EROSION CONTROL PLAN

PROJECT: Algin Sutton Pool Replacement Project

ADDRESS: 8800 S HOOVER ST, LOS ANGELES, CA 90044

SCHEMATIC DESIGN
PROJECT ISSUE DATE:
CITY OF LOS ANGELES

VCA ENGINEERS, INC.
1911 S. Garfield Avenue, Suite #310
Monterey Park, CA 91754
Tel: 323.724.9088 Fax: 323.724.9144

WORK ORDER NO.: 1603
PLAN FILE NO.:
DRAWING NO.: CD112
SHEET NO. SHEETS

PLOTTED: 9/6/2016

TTLB TEMPLATE REVISION DATE: 09/30/2015
SHEET ISSUE DATE: 09/06/2016 FILE PATH: File Path

CONSTRUCTION NOTES:

1. INSTALL GRAVEL BAGS UNTIL THE COMPLETION OF THE SITE CONSTRUCTION. REFER TO DETAIL 2 ON SHEET CD113.
2. CATCH BASIN / INLET PROTECTION PER DETAIL 12 ON SHEET CD114.
3. STABILIZED CONSTRUCTION ENTRANCE/EXIT PER DETAIL 4 ON SHEET CD111 AND DETAIL 11 ON SHEET CD1124.
4. SILT FENCE PER DETAIL 5 ON SHEET CD113. INSTALL SILT FENCE ON TEMPORARY CONSTRUCTION FENCE.
5. PROPOSED AREA FOR EQUIPMENT STAGING. CONTRACTOR TO VERIFY EXACT LOCATION AND COORDINATE WITH THE CPM.
6. PROPOSED AREA FOR FUELING/OILING. CONTRACTOR TO VERIFY ACTUAL AREA NEEDED AND COORDINATE WITH THE CPM. (NS-9), (NS-10) AND DETAIL 9 ON SHEET CD114.
7. PROPOSED AREA FOR LOADING. CONTRACTOR TO VERIFY EXACT LOCATION AND COORDINATE WITH THE CPM.
8. TRUCK TRAVEL ROUTE.
9. PROPOSED AREA FOR TEMPORARY TOILETS. CONTRACTOR TO VERIFY EXACT LOCATION AND COORDINATE WITH THE CPM.
10. TIRE WASH PER DETAIL 8 ON SHEET CD114.
11. TEMPORARY FENCING. FENCING SHALL BE MINIMUM 8 FEET TALL AND SHALL HAVE A DUST/VISION BARRIER ALONG THE FULL LENGTH. THE DUST/VISION BARRIER SHALL EXTEND THE LENGTH OF THE CONSTRUCTION SITE. THE FENCING SHALL BE ANCHORED TO THE SURFACE AND SHALL BE ABLE TO WITHSTAND A 200-POUND HORIZONTAL POINT LOAD IN ANY DIRECTION. TEMPORARY FENCING POLES AND GATES POST SHALL BE DRIVEN INTO THE GROUND. FENCE STANDS WILL NOT BE ALLOWED. WORK AREA AND STAGING AREA SHALL BE SECURE AT ALL TIMES. THE FENCE SHALL BE LEFT IN PLACE FOR FUTURE USE BY THE GENERAL CONTRACTOR THAT WILL BUILD THE REPLACEMENT POOL.

SHEET NOTES:

1. LOCATION FOR ANY DESIGNATED STOCKPILES SHALL BE COORDINATED AND DETERMINED BY THE CONTRACTOR ON-SITE. CONTRACTOR SHALL APPLY ALL APPLICABLE BMP'S TO PROTECT THE STOCKPILE AS OUTLINED IN DETAIL 7 ON SHEET CD113.
2. INSTALL 2" OF TEMPORARY CAB GRAVEL ON ALL ON-SITE CONSTRUCTION ROADWAYS TO STABILIZED AND CONTROL EROSION.
3. CONTRACTOR SHALL FROM TIME TO TIME MONITOR THE CONSTRUCTION SITE TO CLEAN AND SWEEP MATERIALS TRACKED OFF SITE.
4. ALL BMP'S, SAND BAGS, SILT FENCES ETC., SHALL BE MONITORED AND MAINTAINED BY THE CONTRACTOR FOR THE ENTIRE DURATION OF THE CONTRACT.
5. CONTRACTOR SHALL MONITOR WASTEWATER DISCHARGE (INCLUDING STORM RUNOFF) TO ENSURE IT MEETS STANDARDS SET BY APPROPRIATE LAWS, CODES, REGULATIONS, ORDINANCES AND PERMITS. PROVIDE A SETTLING BASIN AND OIL SEPARATOR PRIOR TO ITS DISCHARGE TO CITY OR COUNTY SEWERS. PROVIDE A WATER SAMPLING STATION DOWNSTREAM OF BASIN FOR MONITORING OF WASTE WATER. DISPOSE OF WASTEWATER IN CLOSED CONDUITS SO AS NOT TO DAMAGE PUBLIC OR PRIVATE PROPERTY NOR CREATE A NUISANCE OR HEALTH HAZARD.
6. CONTRACTOR SHALL NOT DISCHARGE POLLUTANTS DOWNSTREAM OF ANY SETTLING BASIN/OIL SEPERATOR(S). THESE POLLUTANTS INCLUDE LUBRICANTS, FUELS, CHEMICALS, AND BITUMENS. CONTROL USE OF LUBRICATING OILS, HYDRAULIC FLUIDS, GREASES, AND OTHER SUCH PRODUCTS. PROMPTLY CLEAN UP AND PROPERLY DISPOSE OF MATERIALS CONTAMINATED BY SPILLAGE OR LEAKAGE OF PRODUCTS.
7. FOR EROSION CONTROL GENERAL NOTES, AND MISCELLANEOUS REQUIREMENTS, SEE DETAIL 1 ON SHEET CD113.
8. CONTRACTOR SHALL PROVIDE WEEKLY PROFESSIONAL STREET SWEEPING SERVICES ON LINDBROOK DRIVE, HILGARD AVE., AND ALONG THE TRUCK ROUTE TO THE NEAREST BLOCK. CONTRACTOR SHALL INSPECT ON A DAILY BASIS IMMEDIATE ACCESS ROADS.
9. CONTRACTOR SHALL PROTECT ALL EXISTING DRAIN INLETS WITHIN A 500-FOOT RADIUS FROM THE CENTER OF THE SITE TO PREVENT NON-STORMWATER RUNOFF FROM ENTERING THE STORM DRAIN SYSTEM.

MATCHLINE SEE SHEET CD112

CONTRACTOR TRAILER

EROSION CONTROL PLAN

10 5 0 10 20

SCALE: 1" = 10'

LEHRER ARCHITECTS LA

MCA ENGINEERS, INC

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
1	100% SCHEMATIC DESIGN	08/08/16	
2	100% DCC SUBMITTAL	01/03/17	
3	PERMIT SET	01/03/17	
4	BID SET	02/03/17	

INDEX NO. RP_300092 BUILDING NO. -

GARY LEE MOORE P.E. CITY ENGINEER

ARCHITECT: MICHAEL S. LEHRER, FAIA LIC. NO.: C12115	DATE:	02.03.17
DESIGNED BY: MC		02.03.17
DRAWN BY: VV		02.03.17
CHECKED BY: VCA		02.03.17
APPROVED BY: MANMOOD KARIMZADEH, AIA PRINCIPAL ARCHITECT		02.03.17

SCHEMATIC DESIGN
PROJECT ISSUE DATE:
CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: MICHAEL A. SHULL

SHEET TITLE: EROSION CONTROL PLAN
PROJECT: Algin Sutton Pool Replacement Project
ADDRESS: 8800 S HOOVER ST, LOS ANGELES, CA 90044

WORK ORDER NO. 1803
PLAN FILE NO.
DRAWING NO. CD113
SHEET 0 OF SHEETS

PLOTTED 8/5/2014

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISIONS DESCRIPTION DATE

TITLE TEMPLATE REVISION DATE: 06/30/2014
SHEET ISSUE DATE: 08/08/2014 FILE PATH: File Path

GENERAL NOTES:

1. IN CASE OF EMERGENCY, CALL 911.
2. A STAND-BY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON (NOVEMBER 1 TO APRIL 15). NECESSARY MATERIALS SHALL BE AVAILABLE ON-SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF EMERGENCY DEVICES WHEN RAIN IS IMMINENT.
3. EROSION CONTROL DEVICES SHOWN ON THIS PLAN MAY BE REMOVED WHEN APPROVED BY THE BUILDING OFFICIAL IF THE GRADING OPERATION HAS PROGRESSED TO THE POINT WHERE THEY ARE NO LONGER REQUIRED.
4. GRADED AREAS ADJACENT TO FILL SLOPES LOCATED AT THE SITE PERIMETER MUST DRAIN AWAY FROM THE TOP OF SLOPE AT THE CONCLUSION OF EACH WORKING DAY. ALL LOOSE SOILS AND DEBRIS THAT MAY CREATE A POTENTIAL HAZARD TO OFF-SITE PROPERTY SHALL BE STABILIZED OR REMOVED FROM THE SITE ON A DAILY BASIS.
5. ALL SILT AND DEBRIS SHALL BE REMOVED FROM ALL DEVICES WITHIN 24 HOURS AFTER EACH RAINSTORM AND BE DISPOSED OF PROPERLY.
6. A GUARD SHALL BE POSTED ON SITE WHENEVER THE DEPTH OF WATER IN ANY DEVICE EXCEEDS TWO FEET. THE DEVICE SHALL BE DRAINED OR PUMPED DRY WITHIN 24 HOURS AFTER EACH RAINSTORM. PUMPING AND DRAINING OF ALL BASINS AND DRAINAGE DEVICES MUST COMPLY WITH THE APPROPRIATE BMP FOR DEWATERING OPERATIONS.
7. THE PLACEMENT OF ADDITIONAL DEVICES TO REDUCE EROSION DAMAGE AND CONTAIN POLLUTANTS WITHIN THE SITE IS LEFT TO THE DISCRETION OF THE QSP. ADDITIONAL DEVICES AS NEEDED SHALL BE INSTALLED TO RETAIN SEDIMENTS AND OTHER POLLUTANTS ON SITE.
8. DESILTING BASINS MAY NOT BE REMOVED OR MADE INOPERABLE BETWEEN NOVEMBER 1 AND APRIL 15 OF THE FOLLOWING YEAR WITHOUT THE APPROVAL OF THE BUILDING OFFICIAL.
9. STORM WATER POLLUTION AND EROSION CONTROL DEVICES ARE TO BE MODIFIED, AS NEEDED, AS THE PROJECT PROGRESSES, THE DESIGN AND PLACEMENT OF THESE DEVICES IS THE RESPONSIBILITY OF THE FIELD ENGINEER. PLANS REPRESENTING CHANGES MUST BE SUBMITTED FOR APPROVAL IF REQUESTED BY THE BUILDING OFFICIAL.
10. EVERY EFFORT MUST BE MADE TO ELIMINATE THE DISCHARGE OF NONSTORM WATER FROM THE PROJECT SITE AT ALL TIMES.
11. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON-SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES, OR WIND.
12. STOCKPILES OF EARTH AND OTHER CONSTRUCTION-RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
13. FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTINGS AND ARE NOT TO CONTAMINATE THE SOILS AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
14. EXCESS OR WASTE CONCRETE MAY NOT BE WASTED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON-SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
15. DEVELOPERS/CONTRACTORS ARE RESPONSIBLE TO INSPECT ALL EROSION CONTROL DEVICES AND BMP's ARE INSTALLED AND FUNCTIONING PROPERLY IF THERE IS A 40% CHANCE OF 0.25 INCHES OR GREATER OF PREDICTED PRECIPITATION, AND AFTER ACTUAL PRECIPITATION. A CONSTRUCTION SITE INSPECTION CHECKLIST AND INSPECTION LOG SHALL BE MAINTAINED AT THE PROJECT SITE AT ALL TIMES AND AVAILABLE FOR REVIEW BY THE BUILDING OFFICIAL (COPIES OF SELF-INSPECTION CHECKLIST AND INSPECTION LOGS ARE AVAILABLE UPON REQUEST). AT HIS/HER EXPENSE THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A QUALIFIED SWPPP PRACTITIONER FOR THE DURATION OF THE PROJECT.
16. TRASH AND CONSTRUCTION-RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.
17. SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
18. ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.
19. AS THE ENGINEER OF RECORD, I HAVE SELECTED APPROPRIATE BMPs TO EFFECTIVELY MINIMIZE THE NEGATIVE IMPACTS OF THIS PROJECT'S CONSTRUCTION ACTIVITIES ON STORM WATER QUALITY. THE PROJECT OWNER AND CONTRACTOR ARE AWARE THAT THE SELECTED BMPs MUST BE INSTALLED, MONITORED, AND MAINTAINED TO ENSURE THEIR EFFECTIVENESS. THE BMPs NOT SELECTED FOR IMPLEMENTATION ARE REDUNDANT OR DEEMED NOT APPLICABLE TO THE PROPOSED CONSTRUCTION QUALITY."
20. THE FOLLOWING BMPs AS OUTLINED IN, BUT NOT LIMITED TO, THE "CALIFORNIA STORMWATER BEST MANAGEMENT PRACTICES HANDBOOK" – JANUARY 2003, OR THE LATEST REVISED EDITION, MAY APPLY DURING THE CONSTRUCTION OF THIS PROJECT (ADDITIONAL MEASURES MAY BE REQUIRED IF DEEMED APPROPRIATE BY THE PROJECT ENGINEER OR THE BUILDING OFFICIAL).

EROSION CONTROL

EC1 – SCHEDULING
EC2 – PRESERVATION OF EXISTING VEGETATION
EC3 – HYDRAULIC MULCH
EC4 – HYDROSEEDING
EC5 – SOIL BINDERS
EC6 – STRAW MULCH
EC7 – GEOTEXTILES AND MATS
EC8 – WOOD MULCHING
EC9 – EARTH DIKES AND DRAINAGE SWALES
EC10 – VELOCITY DISSIPATION DEVICES
EC11 – SLOPE DRAINS
EC12 – STREAMBANK STABILIZATION
EC13 – POLYACRYLAMIDE

TEMPORARY SEDIMENT CONTROL

SE1 – SILT FENCE
SE2 – SEDIMENT BASIN
SE3 – SEDIMENT TRAP
SE4 – CHECK DAM
SE5 – FIBER ROLLS
SE6 – GRAVEL BAG BERM
SE7 – STREET SWEEPING AND VACUUMING
SE8 – GRAVEL BAG BARRIER
SE9 – STRAW BALE BARRIER
SE10 – STORM DRAIN INLET PROTECTION

WIND EROSION CONTROL

WE1 – WIND EROSION CONTROL

EQUIPMENT TRACKING CONTROL

TC1 – STABILIZED CONSTRUCTION ENTRANCE EXIT
TC2 – STABILIZED CONSTRUCTION ROADWAY
TC3 – ENTRANCE/OUTLET TIRE WASH

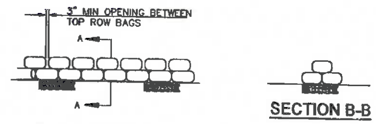
NON-STORMWATER MANAGEMENT

NS1 – WATER CONSERVATION PRACTICES
NS2 – DEWATERING OPERATIONS
NS3 – PAVING AND GRINDING OPERATIONS
NS4 – TEMPORARY STREAM CROSSING
NS5 – CLEARWATER DIVERSION
NS6 – ILLICIT CONNECTION/DISCHARGE
NS7 – POTABLE WATER/IRRIGATION
NS8 – VEHICLE AND EQUIPMENT CLEANING
NS9 – VEHICLE AND EQUIPMENT FUELING
NS10 – VEHICLE AND EQUIPMENT MAINTENANCE
NS11 – PILE DRIVING OPERATIONS
NS12 – CONCRETE CURING
NS13 – CONCRETE FINISHING
NS14 – MATERIAL AND EQUIPMENT USE
NS15 – DEMOLITION ADJACENT TO WATER
NS16 – TEMPORARY BATCH PLANTS

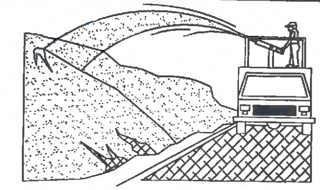
WASTE MANAGEMENT & MATERIAL POLLUTION CONTROL

WM1 – MATERIAL DELIVERY AND STORAGE
WM2 – MATERIAL USE
WM3 – STOCKPILE MANAGEMENT
WM4 – SPILL PREVENTION AND CONTROL
WM5 – SOLID WASTE MANAGEMENT
WM6 – HAZARDOUS WASTE MANAGEMENT
WM7 – CONTAMINATION SOIL MANAGEMENT
WM8 – CONCRETE WASTE MANAGEMENT
WM9 – SANITARY/SEPTIC WASTE MANAGEMENT
WM10 – LIQUID WASTE MANAGEMENT

1 GENERAL NOTES



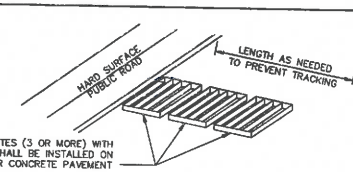
2 GRAVEL BAG DETAIL
NOT TO SCALE



NOTES:

1. SOIL/SLOPE STABILIZATION PRACTICES SHALL BE DESIGNED TO PRESERVE EXISTING VEGETATION WHERE FEASIBLE AND TO REVEGETATE OPEN AREAS AS SOON AS FEASIBLE AFTER GRADING. THESE CONTROL PRACTICES SHALL INCLUDE TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, SOD STABILIZATION, VEGETATIVE BUFFER STRIPS, PROTECTION OF TREES, OR OTHER SOIL STABILIZATION PRACTICES.
2. SOIL STABILIZATION SHALL BE IMPLEMENTED ON ALL INACTIVE DISTURBED AREAS FROM NOVEMBER 1 THRU APRIL 15 AND ON ALL DISTURBED AREAS DURING A RAIN EVENT OR POTENTIAL RAIN.
3. STABILIZATION PRACTICES SHALL CONTROL/PREVENT EROSION FROM THE FORCES OF WIND AND WATER.
4. STABILIZATION PRACTICES SHALL BE IMPLEMENTED IN CONJUNCTION WITH SEDIMENT TRAPPING/FILTERING PRACTICES AND PRACTICES TO REDUCE THE TRACKING OF SEDIMENT ONTO PAVED ROADS.
5. WHEN USING STRAW MULCHING, THE MINIMUM APPLICATION SHALL BE 2 TONS/ACRE. MULCH MUST BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR WATER.
6. WHEN USING HYDROSEEDING/MULCHING, THE MINIMUM APPLICATION OF WOOD FIBER SHALL BE 1,500 LBS/ACRE, THAT DOES NOT CONTAIN MORE THAN 50 PERCENT NEWSPRINT.
7. FOR SEEDING RECOMMENDATIONS, USDA, NATURAL RESOURCES CONSERVATION SERVICE.

3 EROSION CONTROL



NOTES:

1. SEDIMENTS AND OTHER MATERIALS SHALL NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS SHALL BE STABILIZED SO AS TO PREVENT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC ROADS. DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS INTO THE STORM DRAIN SYSTEM.
2. STABILIZED CONSTRUCTION ENTRANCE SHALL BE:

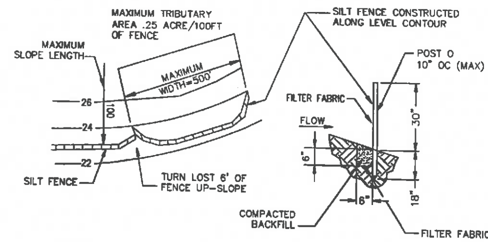
   A. LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE RD OR FROM A PUBLIC RIGHT OF WAY, STREET, ALLEY, AND SIDEWALK OR PARKING AREA.

   B. A SERIES OF STEEL PLATES WITH "RUMBLE STRIPS", AND/OR MIN 4" COARSE AGGREGATE WITH LENGTH, WIDTH & THICKNESS AS NEEDED TO ADEQUATELY PREVENT ANY TRACKING ONTO PAVED SURFACES.
3. ADDING A WASH RACK WITH A SEDIMENT TRAP LARGE ENOUGH TO COLLECT ALL WASH WATER CAN GREATLY IMPROVE EFFICIENCY.
4. ALL VEHICLES ACCESSING THE CONSTRUCTION SITE SHALL UTILIZE THE STABILIZED CONSTRUCTION ENTRANCE SITES.

STREET MAINTENANCE

1. REMOVE ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS IMMEDIATELY.
2. SWEEP PAVED AREAS THAT RECEIVE CONSTRUCTION TRAFFIC WHENEVER SEDIMENT BECOMES VISIBLE.
3. PAVEMENT WASHING WITH WATER IS PROHIBITED IF IT RESULTS IN A DISCHARGE TO THE STORM DRAIN SYSTEM.

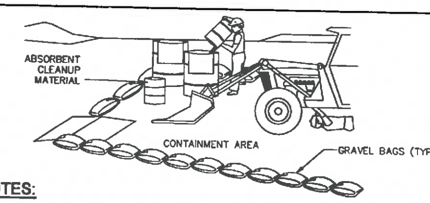
4 STABILIZED CONSTRUCTION ENTRANCE / EXIT



NOTES:

1. CONSTRUCT THE SILT FENCE ALONG A LEVEL CONTOUR.
2. SILT FENCES SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS PERMANENTLY STABILIZED.
3. PROVIDE SUFFICIENT ROOM FOR RUNOFF TO POND BEHIND THE FENCE AND ALLOW SEDIMENT REMOVAL EQUIPMENT TO PASS BETWEEN THE SILT FENCE AND TOE OF SLOPE OR OTHER OBSTRUCTIONS. ABOUT 1200 SQ. FT. OF PONDING AREA SHALL BE PROVIDED FOR EVERY ACRE DRAINING TO THE FENCE.
4. TURN THE ENDS OF THE FILTER FENCE UPHILL TO PREVENT STORMWATER FROM FLOWING AROUND THE FENCE.
5. LEAVE AN UNDISTURBED OR STABILIZED AREA IMMEDIATELY DOWNSLOPE FROM THE FENCE.
6. DO NOT PLACE IN LIVE STREAM OR INTERMITTENTLY FLOWING CHANNELS.
7. WHEN STANDARD FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES AT LEAST 1 INCH LONG. TIE WIRES OR HOG RINGS.

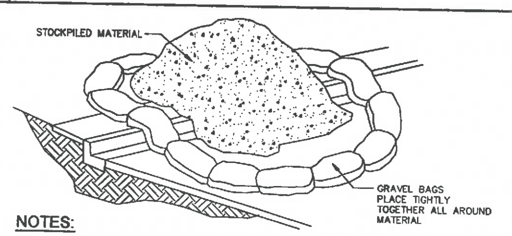
5 SILT FENCE



NOTES:

1. LEAKING VEHICLES AND EQUIPMENT SHALL NOT BE ALLOWED ON-SITE. EQUIPMENT AND VEHICLES SHALL BE INSPECTED FREQUENTLY FOR LEAKS AND SHALL BE REPAIRED IMMEDIATELY. CLEAN UP SPILLS AND LEAKS PROMPTLY WITH ABSORBENT; DO NOT FLUSH WITH WATER.
2. VEHICLES AND EQUIPMENT SHALL BE MAINTAINED AND REPAIRED ON-SITE ONLY IN DESIGNATED AREAS. PREVENT RUN-ON AND RUN-OFF FROM DESIGNATED AREAS. CONTAINMENT DEVICES SHALL BE PROVIDED AND AREAS SHALL BE COVERED IF NECESSARY.
3. DESIGNATE ON-SITE VEHICLE AND EQUIPMENT MAINTENANCE AREAS, WAY FROM STORM DRAIN INLETS AND WATERCOURSES.
4. ALWAYS USE SECONDARY CONTAINMENT, SUCH AS A DRAIN PAN OR DROP CLOTH, TO CATCH SPILLS AND LEAKS WHEN REMOVING OR CHANGING FLUIDS.
5. LEGALLY DISPOSE OF USED OILS, FLUIDS, AND LUBRICANTS.
6. PROVIDE SPILL CONTAINMENT DIKES OR SECONDARY CONTAINMENT AROUND STORED OIL, FUEL, AND CHEMICAL DRUMS.
7. MAINTAIN ON ADEQUATE SUPPLY OF ABSORBENT SPILL CLEANUP MATERIALS IN DESIGNATED AREA.

6 EQUIPMENT REPAIR/MAINTENANCE



NOTES:

1. DIRT AND OTHER CONSTRUCTION RELATED MATERIALS PLACED IN THE STREET OR ON OTHER IMPERVIOUS SURFACES MUST BE CONTAINED WITH SANDBAGS OR OTHER MEASURES TO PREVENT TRANSPORT TO THE STORMDRAIN SYSTEM.
2. ANY CONSTRUCTION MATERIAL STORED OR STOCKPILED ON-SITE SHALL BE PROTECTED FROM BEING TRANSPORTED BY THE FORCE OF WIND OR WATER.

7 MATERIAL STORAGE
NOT TO SCALE

VCA ENGINEERS, INC

LEHRER ARCHITECTS LA
Michael Barry Lehrer FAIA License No. C12115
2140 Hyperion Avenue Los Angeles, CA 90027-4708
ph 323.664.4747 fax 323.664.3566 lehrerarchitects.com

SCHEMATIC DESIGN
PROJECT ISSUE DATE:

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

ENGINEERING — CITY OF LOS ANGELES

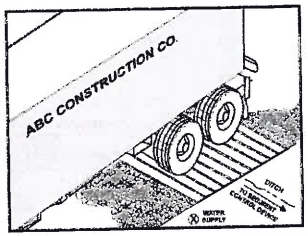
NO.	REVISION DESCRIPTION	DATE	BY
1	100% SCHEMATIC DESIGN	09/19/16	
2	PLAN CHECK SUBMITTAL	12/02/16	
3	PERMIT SET	01/30/17	
4	BID SET	02/03/17	

INDEX NO. RP_300082
BUILDING NO. -

GARY LEE MOORE, P.E., ENV SP — CITY ENGINEER
ARCHITECTURAL DIVISION — DATE:
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115 — 02.03.17
DESIGNED BY: MC — 02.03.17
DRAWN BY: VV — 02.03.17
CHECKED BY: VCA — 02.03.17
APPROVED BY: MAHMOOD KARIMZADEH, AIA, PRINCIPAL ARCHITECT — 02.03.17

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: MICHAEL A. SHULL
SHEET TITLE: **EROSION CONTROL DETAILS**
PROJECT: Algin Sutton Pool Replacement Project
ADDRESS: 8800 S HOOVER ST, LOS ANGELES, CA 90044

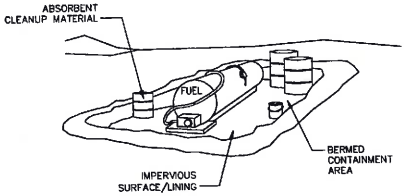
WORK ORDER NO. 1603
PLAN FILE NO.
DRAWING NO. **CD114**
SHEET OF SHEETS



NOTES:

1. THE TIRE WASH REQUIRES A SUPPLY OF WASH WATER.
2. A TURNOUT OR DOUBLEWIDE EXIT IS REQUIRED TO AVOID HAVING ENTERING VEHICLES DRIVE THROUGH THE WASH AREA.
3. DO NOT USE WHERE WET TIRE TRUCKS LEAVING THE SITE LEAVE THE ROAD DANGEROUSLY SLICK.
4. INCORPORATE WITH A STABILIZED CONSTRUCTION ENTRANCE/EXIT.
5. CONSTRUCT ON LEVEL GROUND WHEN POSSIBLE, ON A PAD OF COARSE AGGREGATE GREATER THAN 3 IN. BUT SMALLER THAN 6 IN. A GEOTEXTILE FABRIC SHOULD BE PLACED BELOW THE AGGREGATE.
6. WASH RACK SHOULD BE DESIGNED AND CONSTRUCTED/MANUFACTURED FOR ANTICIPATED TRAFFIC LOADS.

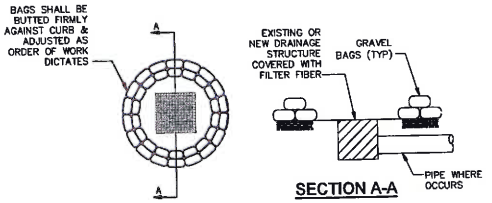
8 ENTRANCE/OUTLET TIRE WASH



NOTE:

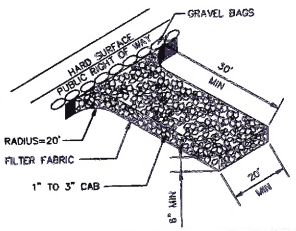
FUELING SHALL BE PERFORMED IN A DESIGNATED AREA, AWAY FROM COURSES. ABSORBENT CLEANUP MATERIAL SHALL BE ON SITE AND USED IMMEDIATELY IN THE EVENT OF A SPILL.

9 VEHICLE / EQUIPMENT FUELING



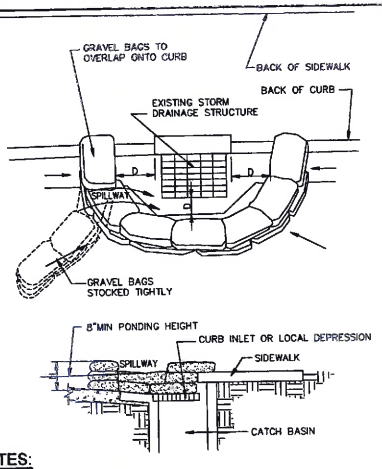
10 GRAVEL BAG CHECKDAM

NOT TO SCALE



11 STABILIZED CONSTRUCTION ENTRANCE/EXIT

OPTIONAL BMP



NOTES:

1. INLET PROTECTION IS REQUIRED ALONG WITH OTHER POLLUTION PREVENTION MEASURES SUCH AS: EROSION CONTROL, SOIL STABILIZATION, AND MEASURES TO PREVENT TRACKING ONTO PAVED SURFACES.
2. MODIFY INLET PROTECTION AS NEEDED TO AVOID CREATING TRAFFIC HAZARDS.
3. INCLUDE INLET PROTECTION MEASURES AT HILLSIDE V-DITCHES AND MISCELLANEOUS DRAINAGE SWALES.
4. INLET PROTECTION SHALL BE PROTECTED AND ACCUMULATED SEDIMENTS REMOVED. SEDIMENT SHALL BE DISPOSED OF PROPERTY AND IN A MANNER THAT ASSURES THAT THE SEDIMENT DOES NOT ENTER THE STORM DRAIN SYSTEM.
5. DAMAGED BAGS SHALL BE REPLACED IMMEDIATELY.
6. ADDITIONAL SANDBAG SEDIMENT TRAPS SHALL BE PLACED AT INTERVALS AS INDICATED ON SITE PLANT.

12 CATCH BASIN/INLET PROTECTION

OWNER STATEMENT OF UNDERSTANDING:

AS THE PROJECT OWNER OR AUTHORIZED AGENT OF THE OWNER, I HAVE READ AND UNDERSTAND THE REQUIREMENTS TO CONTROL STORM WATER POLLUTION FROM SEDIMENTS, EROSION, AND CONSTRUCTION MATERIALS, AND I CERTIFY THAT I WILL COMPLY WITH THESE REQUIREMENTS. I, OR MY REPRESENTATIVE, CONTRACTOR, DEVELOPER, OR ENGINEER, WILL MAKE CERTAIN THAT ALL BMP SHOWN ON THIS PLAN WILL BE FULLY IMPLEMENTED, AND ALL EROSION CONTROL DEVICES WILL BE KEPT CLEAN AND FUNCTIONING. PERIODIC INSPECTIONS OF THE BMPs WILL BE CONDUCTED AND A CURRENT LOG, SPECIFYING THE EXACT NATURE OF THE INSPECTION AND ANY REMEDIAL MEASURES, WILL BE KEPT AT THE CONSTRUCTION SITE AT ALL TIMES AND WILL BE AVAILABLE FOR THE REVIEW BY THE BUILDING OFFICIAL.

AS THE PROJECT OWNER OR AUTHORIZED AGENT OF THE OWNER, "I CERTIFY THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE INFORMATION SUBMITTED IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT SUBMITTING FALSE AND/OR INACCURATE INFORMATION, FAILING TO UPDATE THE LOCAL SWPPP TO REFLECT CURRENT CONDITIONS, OR FAILING TO PROPERLY AND/OR ADEQUATELY IMPLEMENT THE LOCAL SWPPP MAY RESULT IN REVOCATION OF GRADING AND/OR OTHER PERMITS OR OTHER SANCTIONS PROVIDED BY THE LAW."

OWNER OR AUTHORIZED REPRESENTATIVE (PERMITEE) — DATE

13 STATEMENT OF UNDERSTANDING

LEHRER ARCHITECTS LA
Michael Lehrer, FAIA License No. C12115
2140 Hyperion Avenue, Los Angeles, CA 90027-4203
ph:323.644.4747 fx:323.644.4366 lehrerarchitects.com

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
1	100% SCHEMATIC DESIGN	09/19/16	
2	PLAN CHECK SUBMITTAL	01/20/17	
3	ISSUE SET	02/03/17	
4	BID SET	03/03/17	

INDEX NO. RP_300662 — BUILDING NO. -

GARY LEE MOORE, P.E., ENV SP — CITY ENGINEER — DATE: 02.03.17
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA — LIC. NO. C12115 — 02.03.17
DESIGNED BY: MC — 02.03.17
DRAWN BY: VV — 02.03.17
CHECKED BY: YCA — 02.03.17
APPROVED BY: MAHMOOD KARIMZADEH, AIA PRINCIPAL ARCHITECT — 02.03.17

SCHEMATIC DESIGN
PROJECT ISSUE DATE:
CITY OF LOS ANGELES
CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: MICHAEL A. SHULL

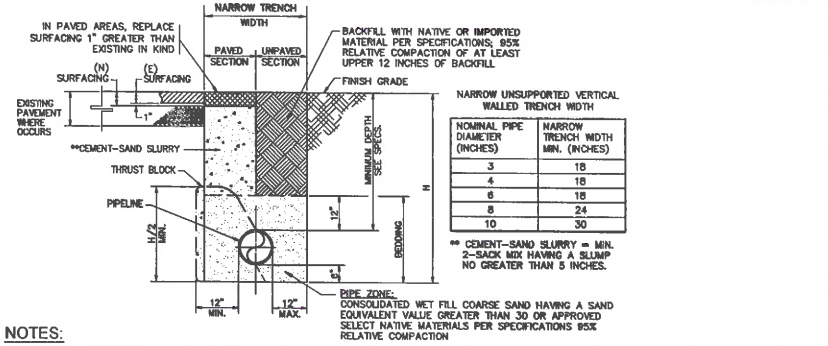
SHEET TITLE: EROSION CONTROL DETAILS
PROJECT: Algin Sutton Pool Replacement Project
ADDRESS: 6800 S HOOVER ST, LOS ANGELES, CA 90044

WORK ORDER NO. 1403
PLAN FILE NO.
DRAWING NO. CD115
SHEET NO. 5 OF SHEETS

MCA ENGINEERING INC.

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TTLB TEMPLATE REVISION DATE: 06/03/2016
SHEET ISSUE DATE: 09/09/2014
FILE PATH: File Path
REVISIONS ARE DOCUMENTED



NARROW UNSUPPORTED VERTICAL WALLED TRENCH WIDTH

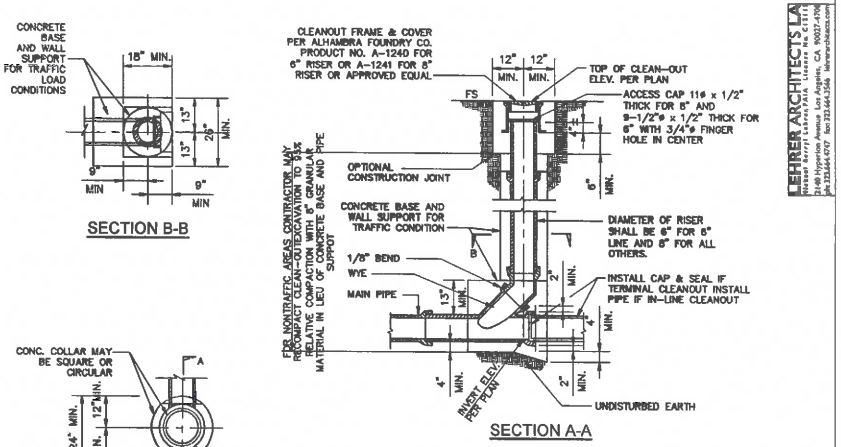
NOMINAL PIPE DIAMETER (INCHES)	NARROW TRENCH WIDTH MIN. (INCHES)
3	18
4	18
6	18
8	24
10	30

** CEMENT-SAND SLURRY = MIN. 2-SACK MIX HAVING A SLUMP NO GREATER THAN 5 INCHES.

NOTES:

1. PAVEMENT FINISH SURFACE SHALL BE A SMOOTH CONTINUATION OF ADJOINING PAVED SURFACE.
2. PIPELINE BEDDING MATERIAL, TRENCH BACKFILL MATERIAL, AND COMPACTION SHALL COMPLY WITH THE SOIL REPORT.
3. TRENCH BACKFILL SHALL CONSIST OF EXCAVATED ON-SITE SOILS FREE OF OVERSIZE PARTICLES (LARGER THAN 1 IN. IN MAXIMUM DIMENSION IN THE UPPER 12 IN. OF SUBGRADE SOILS AND LARGER THAN 3 INCHES IN THE LARGEST DIMENSION IN THE TRENCH BACKFILL BELOW). IMPORTED BACKFILL SHOULD BE APPROVED BY PROJECT GEOTECHNICAL CONSULTANT PRIOR TO DELIVERY AT THE SITE. NO MORE THAN 30% OF BACKFILL VOLUME SHOULD BE LARGER THAN 3/4" IN THE LARGEST DIMENSION.
4. IT IS RECOMMENDED THAT UTILITY TENCHES ARE NOT BE OR PLACED PARALLED TO AND BELOW A 1½1 PLANE PROJECTED DOWN FROM THE BASE OF THE OUTER EDGE OF A CONVENTIONAL FOUNDATION.
5. CLEAN SAND SHOULD BE PLACED AROUND UTILITY AND PROPERLY JETTED.
6. FLOODING AND/OR JETTING OF UTILITY TRENCHES DOES NOT CREATE COMPACT TRENCH BACKFILL AND SHOULD BE LIMITED TO BACKFILLING AROUND, AND UP TO SIX INCHES (6") ABOVE, UTILITY PIPES.
7. BACKFILL FOR THE REMAINING PORTION OF THE TRENCH ABOVE THE PIPES SHOULD BE PLACED BY MECHANICAL COMPACTION METHODS TO A MINIMUM OF 90 OR 95 PERCENT OF THE MAXIMUM DENSITY, AS DETERMINED BY THE LATEST VERSION OF ASTM D 1557.
8. THE HIGHER COMPACTION IS REQUIRED FOR FILL MATERIAL THAT HAS LESS THAN FIFTEEN PERCENT (15%) OF THE MATERIAL FINER THAN 0.005MM.
9. THE UPPER TWELVE INCHES (12") OF THE CERTIFIED FILL SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF THE MAXIMUM DENSITY IN ALL AREAS WHERE VEHICLE LOADING OCCURS.
10. PIPELINE BEDDING MAY BE LEAN CONCRETE CONSISTING OF TWO SACKS OF PORTLAND CEMENT PER CUBIC YARD OF SLURRY IN LEU OF SAND AS LONG AS SLURRY IS VIBRATED IN PLACE.
11. MINIMUM COVERAGE OF UTILITIES IS 36-INCHES. IF THIS CANNOT BE ATTAINED, CAP WITH 1-SACK CONCRETE SLURRY. IN PAVING AREAS, BACKFILL TRENCHES WITH SLURRY UP TO BOTTOM OF PAVING. IN LANDSCAPE AREAS, SLURRY IS ALLOWED UP TO TWO-FEET BELOW GRADE.
12. PROVIDE METALLIC WARNING TAPE 12-INCHES BELOW GRADE ABOVE UTILITIES.

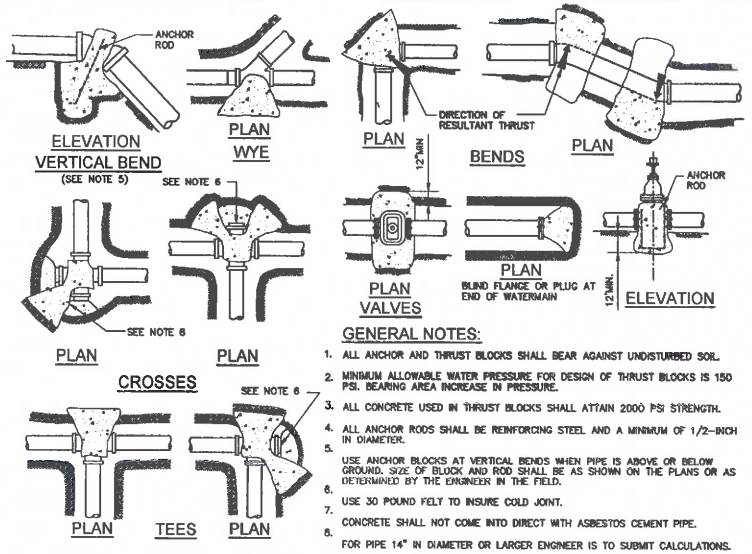
1 TRENCH SECTION
NOT TO SCALE



NOTE:

1. PROVIDE PRESSURE RESISTANT GRATE COVER WHEN CLEANOUT IS CONNECTED TO PRESSURIZED UTILITY LINE

2 CLEANOUT DETAIL
NOT TO SCALE



GENERAL NOTES:

1. ALL ANCHOR AND THRUST BLOCKS SHALL BEAR AGAINST UNDISTURBED SOIL.
2. MINIMUM ALLOWABLE WATER PRESSURE FOR DESIGN OF THRUST BLOCKS IS 150 PSI. BEARING AREA INCREASE IN PRESSURE.
3. ALL CONCRETE USED IN THRUST BLOCKS SHALL ATTAIN 2000 PSI STRENGTH.
4. ALL ANCHOR RODS SHALL BE REINFORCING STEEL AND A MINIMUM OF 1/2-INCH IN DIAMETER.
5. USE ANCHOR BLOCKS AT VERTICAL BENDS WHEN PIPE IS ABOVE OR BELOW GROUND. SIZE OF BLOCK AND ROD SHALL BE AS SHOWN ON THE PLANS OR AS DETERMINED BY THE ENGINEER IN THE FIELD.
6. USE 30 POUND FELT TO INSURE COLD JOINT.
7. CONCRETE SHALL NOT COME INTO DIRECT WITH ASBESTOS CEMENT PIPE.
8. FOR PIPE 14" IN DIAMETER OR LARGER ENGINEER IS TO SUBMIT CALCULATIONS.

TABLE I

MINIMUM BEARING AREAS IN SQ.FT.

MAIN SIZE	TEE	90° BEND	45° BEND	22 1/2° BEND
6"	4	4	4	3
8"	5	7	4	3
10"	9	12	6	4
12"	12	16	9	6

BASED ON 150 PSI W.W.R. PRESSURE & SOIL BEARING LOADS OF 2000 PSF THE RATIO OF WIDTH TO HEIGHT SHALL NOT EXCEED 1 1/2 TO 1

TEES,PLUGS,CAPS & HYDRANTS.

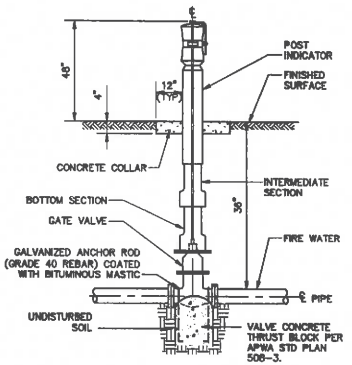
TABLE II

SOIL TYPE	MAX. ALLOWABLE SOIL BEARING VALUES	FACTORS FOR INCREASING AREAS IN TABLE 1
LOOSE SAND	500 PSF	4
SOFT SANDY CLAY	1000 PSF	2
ADOBE	1000 PSF	2
COMPACT FINE SAND	2000 PSF	1
COMPACT COARSE SAND	2000 PSF	1
MEDIUM STIFF CLAY	2000 PSF	1

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE SAFE SOIL BEARING VALUES AND SIZE OF BEARING AREAS.

BASED ON 2 FEET MINIMUM DEPTH OF COVER OVER THE PIPE.

3 THRUST BLOCK DETAILS
NOT TO SCALE



NOTE:

1. POST INDICATOR VALVE TO BE PROTECTED WITH ABOVEGROUND BOLLARD / GUARD POSTS PER FIRE DEPARTMENT REQUIREMENTS.
2. CONNECT TO ELECTRICAL TAMPER SWITCH.

4 POST INDICATOR VALVE DETAIL
NOT TO SCALE

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CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
1	100% SCHEMATIC DESIGN	08/19/16	
2	PLAN CHECK SUBMITTAL	12/02/16	
3	BID SET	03/03/17	
4			
5			

INDEX NO.
BUILDING NO.
-
RP_300662

CITY ENGINEER: GARY LEE MOORE, P.E., ENV SP — DATE: 02.03.17
ARCHITECT: MICHAEL S. LEHRER, FAIA — LIC. NO.: C12115 — DATE: 02.03.17
DESIGNED BY: MC — DATE: 02.03.17
DRAWN BY: VV — DATE: 02.03.17
CHECKED BY: YCA — DATE: 02.03.17
APPROVED BY: MAHMOOD KARIMZADEH, AIA, PRINCIPAL ARCHITECT — DATE: 02.03.17

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: MICHAEL A. SHULL

SHEET TITLE: MISCELLANEOUS DETAILS
PROJECT: Algin Sutton Pool Replacement Project
ADDRESS: 8800 S HOOVER ST, LOS ANGELES, CA 90044

SCHEMATIC DESIGN
PROJECT ISSUE DATE:
CITY OF LOS ANGELES

WORK ORDER NO.
1603
PLAN FILE NO.
DRAWING NO.
CD116
SHEET 0 OF SHEETS

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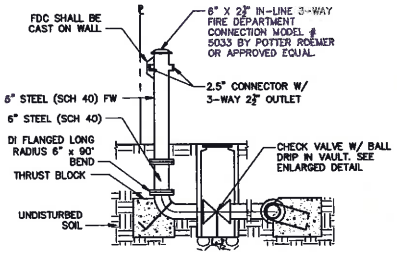
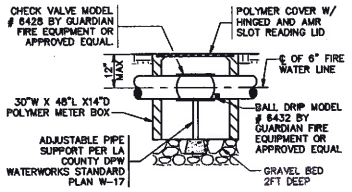
DESIGNED BY: DRAWN BY: CHECKED BY:

PLOTTED: 9/8/2014

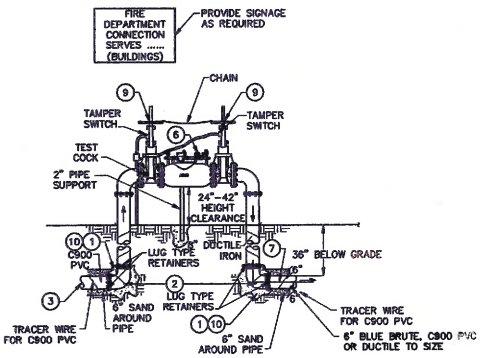


FIRE DEPARTMENT CONNECTION
(PRIVATE) 6" x 4" x 2.5"



ENLARGED DETAIL

3 FIRE DEPARTMENT CONNECTION
NOT TO SCALE



2 DOUBLE CHECK DETECTOR ASSEMBLY
NOT TO SCALE

NOTES:

1. BACKFLOW ASSEMBLY REQUIRED FOR ALL FIRE WATER MAINS FOR METER SERVICE PROTECTION (MSP).
2. 4" DOUBLE CHECK ASSEMBLY- AMES 3000 SS OS&Y, OR APPROVED EQUAL, WITH TAMPER SWITCHES CONNECTED TO FIRE ALARM.
3. BACKFLOW ASSEMBLY REQUIRED FOR ALL FIRE WATER MAINS FOR METER SERVICE PROTECTION (MSP).
4. BACKFLOW ASSEMBLY AS REQUIRED BY WATER COMPANY OR BY CALIFORNIA OR LOCAL PLUMBING CODE.
5. THE WATER DEPARTMENT SHALL DETERMINE IF WATER METER, SIZE, AND LOCATION IS REQUIRED FOR THIS PROJECT.
6. THE FDC SHALL BE VISIBLE, ACCESSIBLE (THREE FEET CLEAR ABOVE AND ON BOTH SIDES) AND INSTALLED WITH THE INLETS NOT LESS THAN 24 INCHES AND NOT MORE THAN 42 INCHES ABOVE THE LEVEL OF GRADE, WITH THE FDC FACING THE STREET. WHEN A FENCE OR OTHER OBSTRUCTION IS PROVIDED, THE FDC SHALL BE ACCESSIBLE FROM THE PUBLIC SIDE OF THE OBSTRUCTION.
7. BACKFLOW ASSEMBLY SHOULD HAVE THREE FEET CLEARANCE ALL AROUND FROM ANY OBSTRUCTION.

CONSTRUCTION NOTES:

1. CONCRETE THRUST BLOCK PER DETAIL 3 ON SHEET CD116.
2. DUCTILE IRON MECHANICAL FITTING
3. UNDERGROUND FIRE MAIN
4. NOT USED
5. NOT USED
6. DOUBLE CHECK DETECTOR ASSEMBLIES W/ OS & Y VALVES
7. PROVIDE MEGALUG RETAINER W/ FLANGE 90° FITTING FOR DUCTILE IRON/PVC PIPE
8. NOTE USED.
9. OUTSIDE SCREW AND YOKE FLANGED GATE VALVE. RW/ TAMPER SWITCH
10. ALL APPLICABLE UNDERGROUND JOINTS SHALL BE THRUST BLOCKED WITH RESTRAINED PER NFPA 24 AND LOCAL CODES.

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ENGINEERING

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
1	100% SCHEMATIC DESIGN	09/19/16	
2	PLAN CHECK SUBMITTAL	12/02/16	
3	BID SET	01/13/17	
4	BID SET	02/03/17	

INDEX NO. RP_300092 BUILDING NO.

DEPARTMENT OF PUBLIC WORKS
GARY LEE MOORE, P.E., ENV SP CITY ENGINEER

ARCHITECT:	MICHAEL B. LEHRER, FAIA	LIC. NO.: C12115	DATE 02.03.17
DESIGNED BY:	MC		02.03.17
DRAWN BY:	VV		02.03.17
CHECKED BY:	VCA		02.03.17
APPROVED BY:	MAHMOOD KARIMZADEH, AIA, PRINCIPAL ARCHITECT		02.03.17

CITY OF LOS ANGELES
CLIENT DEPARTMENT APPROVAL
GENERAL MANAGER: MARK A. SHILL

SHEET TITLE: MISCELLANEOUS DETAILS
PROJECT: Algin Sutton Pool Replacement Project
ADDRESS: 8800 S HOOVER ST, LOS ANGELES, CA 90044

SCHEMATIC DESIGN
PROJECT ISSUE DATE:

WORK ORDER NO. 1603
PLAN FILE NO.
DRAWING NO. CD117
SHEET 0 SHEETS

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