

## GENERAL NOTES:

1. ALL WORK PERFORMED IN THIS CONTRACT SHALL CONFORM TO:
    - A. THE PROJECT SPECIFICATIONS AND ALL SAFETY REGULATION; CODES AND REQUIREMENTS PERTINENT TO THE PROJECT CONSTRUCTION.
    - 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. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BE KNOWLEDGEABLE TO INTERPRET AND APPLY THE ABOVE CODES AND SPECIFICATIONS.
  3. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE WORK SPECIFIED ON THE DRAWINGS, SPECIFICATIONS AND WITHIN THE VARIOUS NOTES SHOWN HEREIN.
  4. 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 BEFORE SUBMITTING HIS/HER BID. ANY DISCREPANCY SHALL BE REPORTED IMMEDIATELY TO THE CITY ENGINEER FOR PROPER ACTION.
  5. 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.
  6. UNCLOG, CLEAN AND FLUSH THE ENTIRE SITE DRAINAGE SYSTEM AFTER PAVING AND IMMEDIATELY BEFORE A RAIN FORECAST.
  7. ALL EXISTING STREET IMPROVEMENTS, UNLESS OTHERWISE INDICATED HEREIN TO BE REMOVED, SHALL BE PROTECT IN PLACE. THESE ITEMS INCLUDE LIGHT POLES, POWER POLES, SIGNAL POLES AND APPURTENANCES.
  8. CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS BOTH IN PRIVATE PROPERTY AND IN PUBLIC RIGHT OF WAY FOR EXISTING LATERALS TO BE REMOVED OR CAPPED.
  9. UTILITIES TO BE VERIFIED IN FIELD TO ENSURE EXISTING UTILITY TO REMAIN. CONTRACTOR IS RESPONSIBLE FOR THE RELOCATION IF REQUIRED. ALL EXISTING/RELOCATED UTILITIES PER NEW SITE LAYOUT WILL BE PROTECTED IN PLACE.

UNDERGROUND SERVICE ALERT:

  10. BEFORE COMMENCING ANY EXCAVATION ON-SITE AND OFF-SITE, THE CONTRACTOR SHALL OBTAIN AN UNDERGROUND SERVICE ALERT INQUIRY I.D. NUMBER BY CALLING 1-800-422-4133. TWO WORKING DAYS SHALL BE ALLOWED AFTER THE I.D. NUMBER IS OBTAINED AND BEFORE THE EXCAVATION WORK IS STARTED THAT UTILITY COMPANIES CAN BE NOTIFIED.

PROTECTION AND RESTORATION OF EXISTING IMPROVEMENTS:

  11. 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 FOR PUBLIC WORKS CONSTRUCTION.

REMOVALS:

  12. 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 GEOTECHNICAL ENGINEER OF RECORD AS TO THEIR REMOVAL.
  13. FOLLOWING DEMOLITION, THE CONSTRUCTION AREA SHOULD BE CLEARED OF ANY VEGETATION AND STRIPPED OF MISCELLANEOUS DEBRIS AND OTHER DELETERIOUS MATERIAL. VEGETATION AND ORGANIC MATTER SHOULD NOT BE INCORPORATED INTO THE COMPAKTED FILL.
  14. ALL SITE PREPARATION AS INDICATED SHALL BE MADE UNDER THE CONTINUOUS INSPECTION OF THE GEOTECHNICAL ENGINEER. SECURE THE REQUIRED PERMITS 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 SAFETY OF WORKERS. SHORING CALCULATIONS SHALL BE PROVIDED BY THE CONTRACTOR AT HIS EXPENSE AS REQUIRED FOR APPROVAL AND PERMITTING.
  15. THE CONTRACTOR SHALL KEEP THE CONSTRUCTION AREA SUFFICIENTLY DAMPENED TO CONTROL DUST CAUSED BY WORK ACTIVITIES AS REQUIRED BY THE CITY ENGINEER. THE CONTRACTOR SHALL PROVIDE 6' HIGH TEMPORARY FENCING WITH VISUAL BARRIER AROUND THE PROJECT LIMITS AND A TEMPORARY CONSTRUCTION ACCESS ON-SITE.
  16. ALL WORK IN THE PUBLIC RIGHT OF WAY REQUIRES APPROVAL BY THE CITY OF LOS ANGELES DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS BEFORE CONSTRUCTION BEGINS. CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS INCLUDING UTILITY CONNECTIONS REQUIRED PRIOR TO CONSTRUCTION.
  17. VOIDS RESULTING FROM REMOVAL OF STRUCTURES SHALL BE FILLED WITH SUITABLE MATERIALS APPROVED BY THE CITY INSPECTOR AND COMPAKTED TO 95% MINIMUM DENSITY PER ASTM D-1557 AND THE RECOMMENDATIONS WITHIN THE SOILS ENGINEERING EXPLORATION REPORT.
  18. UPON COMPLETION OF PROJECT, CONTRACTOR SHALL REMOVE EXISTING CONSTRUCTION FENCING, APPURTENANCES AND OFFICE TRAILERS FROM THE SITE. PAVEMENT SHALL BE PATCHED AND REPAIRED TO MATCH ADJACENT PAVEMENT AND APPROVED BY THE CITY ENGINEER AS APPLICABLE.
  19. ANY ADDITIONAL SURVEYS OR TESTING AS A RESULT OF CONTRACTOR ERROR OR MISINFORMATION WILL BE CHARGED TO THE CONTRACTOR.
  20. THE CONSTRUCTION SHALL NOT RESTRICT A FIVE FOOT CLEAR AND UNOBSTRUCTED ACCESS TO ANY WATER OR POWER DISTRIBUTION FACILITIES (POWER POLES, PULL-BOXES, TRANSFORMERS, VAULTS, PUMPS, VALVES, METERS, APPURTENANCES, ETC.) OR TO THE LOCATION OF THE HOOK UP, THE CONSTRUCTION SHALL NOT BE WITHIN TEN FEET OF ANY POWER LINES WHETHER OR NOT THE LINES ARE LOCATED ON THE PROPERTY. FAILURE TO COMPLY MAY CAUSE CONSTRUCTION DELAYS AND/OR ADDITIONAL EXPENSES.
  21. TRIM TREE ROOTS AS NECESSARY OR GRADED ON AREAS TO BE PAVED. TRIM ROOTS UNDER THE DIRECTION OF A CERTIFIED CITY APPROVED ARBORIST. NOTIFY THE CITY ENGINEER PRIOR TO TRIMMING OF TREES.

## GENERAL NOTES:

- JUST TO GRADE EXISTING MANHOLE RIMS, VALVE BOXES AND ELECTRICAL VAULT LIDS TO DESIGN GRADES  
THIN THE IMPROVEMENT AREA, UNLESS NOTED OTHERWISE. CONTRACTOR TO VERIFY LOCATION AND NUMBER  
MANHOLE RIMS, VALVE BOXES AND ELECTRICAL VAULT LIDS IN THE FIELD PRIOR TO BIDDING.

EXISTING UTILITIES ARE EXPOSED OR DETERMINED TO EXIST UNDER THE ROUGH GRADING SITE,  
CONTRACTOR SHALL PROVIDE A FLAGGED STAKE THAT INDICATE THEIR LOCATION, TYPE OF UTILITY, SIZE,  
MATERIAL, AND DEPTH. STAKES SHALL BE INSTALLED NO LESS THAN 50' ON CENTER ON STRAIGHT  
LINES AND AT BENDS.

THE BOUNDARIES, EASEMENTS, DRAINAGE DEVICES AND RESTRICTED USE AREAS SHALL BE LOCATED PER  
INSTRUCTION STAKING BY A LICENSED SURVEYOR PAID FOR BY THE CONTRACTOR. PRIOR TO GRADING, AS  
QUESTED BY THE CITY ENGINEER, ALL PROPERTY LINES, EASEMENTS, AND RESTRICTED USE AREAS SHALL  
STAKED.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE THE CITY ENGINEER WITH A COMPLETE SET OF  
PRODUCIBLE & RED MARKED PRINT "AS-BUILT" DRAWINGS OF ALL WORK PERFORMED UNDER THIS  
CONTRACT, AS SHOWN WITHIN THESE CONSTRUCTION DRAWINGS. ALL FIELD CHANGES SHALL BE SHOWN IN  
DETAIL ON THE "AS-BUILT" DRAWINGS AND SHALL INCORPORATE AS A MINIMUM, NEW ELEVATIONS, GRADES  
AND ALIGNMENT OF UNDERGROUND FACILITIES WITH DIMENSIONAL TIES TO BUILDING OR OTHER VISIBLE  
IMPROVEMENTS.

CONTRACTOR IS RESPONSIBLE FOR THE RESTORATION TO THEIR EXISTING CONDITION OF THE FACILITIES WHICH  
ARE INTENDED TO REMAIN IN PLACE. AND ALL REPAIRS TO ANY DAMAGED MATERIALS OR FACILITIES SHALL  
BE MADE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CITY.

INSTRUCT OFFSITE WORK TO COMPLY WITH THE REQUIREMENTS OF THE LOCAL GOVERNING AGENCY. SECURE  
AND PAY FOR REQUIRED CONSTRUCTION PERMITS.

# GENERAL GEOTECHNICAL NOTES:

- L WORK MUST BE IN COMPLIANCE WITH THE RECOMMENDATIONS INCLUDED IN THE GEOTECHNICAL CONSULTANT'S REPORT(S) AND THE APPROVED GRADING PLANS AND SPECIFICATIONS.

THE GEOTECHNICAL INVESTIGATION WAS PREPARED BY GEOTECHNICAL ENGINEERING DIVISION W.O. #E170517A, FILE #17-074 DATED AUGUST 22, 2017, ENTITLED "GEOTECHNICAL ENGINEERING REPORT GRANADA HILLS POOL REPLACEMENT PROJECT WITH ADDRESS 16730 CHATSWORTH STREET TRACT: SUBDIVISION NO.1 OF THE PROPERTY OF THE PORTER LAND AND WATER COMPANY BLOCK: NONE, LOT: 2 SEC 18 T2N R15W LOS ANGELES, CALIFORNIA. RECOMMENDATIONS OF THE SOILS REPORT AND SUPPLEMENTS / ADDENDUMS ARE PART OF THIS NOTE AND SHALL BE PERFORMED BY THE CONTRACTOR AS APPLICABLE. IF DISCREPANCIES CUR THE GEOTECHNICAL REPORT SHALL GOVERN.

ALL EARTH WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL RECOMMENDATIONS IN THE TECHNICAL REPORT AND THE LADBS GRADING DIVISION REQUIREMENTS. ALL EARTHWORK SHOULD BE PERFORMED UNDER THE OBSERVATION AND TESTING OF A QUALIFIED GEOTECHNICAL ENGINEER.

THE SOIL BENEATH NEW PAVEMENTS, POOL DECK, AND SPLASH PAD SHALL BE OVER-EXCAVATED TO A DEPTH OF 12 INCHES BELOW EXISTING GRADE OR 4 INCHES BELOW THE FINISHED GRADE, WHICHEVER IS GREATER AND SHALL RESULT IN 12" COMPACTED FILL. THE EXCAVATION SHALL EXTEND LATERALLY AT LEAST 2 FEET BEYOND THE EDGE OF THE PAVEMENT OR TO THE PROPERTY BOUNDARY, WHICHEVER IS LESS.

THE SOIL BENEATH THE POOL SHALL BE EXCAVATED TO THE DESIGN SUBGRADE OR TO THE NATIVE SOIL, WHICHEVER IS GREATER. AS ADDITIONAL 12" SHALL BE EXCAVATED SO THAT THE POOL IS UNDERLAIN BY 12" FILL.

THE SOIL BENEATH SECONDARY (I.E. NON-STRUCTURAL) STRUCTURES SHALL BE OVER-EXCAVATED TO A DEPTH THAT SHALL RESULT IN AT LEAST 24 INCHES OF COMPACTED FILL BENEATH THE FOOTING. THIS 24 INCHES INCLUDES SUBGRADE PREPARATION. THE EXCAVATION SHALL EXTEND LATERALLY AT LEAST 2 FEET BEYOND THE EDGE OF THE FOOTING OR TO THE PROPERTY BOUNDARY, WHICHEVER IS LESS.

THE SOIL BENEATH SHALLOW FOUNDATIONS SHALL BE OVER-EXCAVATED TO A DEPTH THAT SHALL RESULT IN

LEAST 30 INCHES  
SEPARATION. THIS

12. 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 GEOTECHNICAL ENGINEER OF RECORD AS TO THEIR REMOVAL.
  13. FOLLOWING DEMOLITION, THE CONSTRUCTION AREA SHOULD BE CLEARED OF ANY VEGETATION AND STRIPPED OF MISCELLANEOUS DEBRIS AND OTHER DELETERIOUS MATERIAL. VEGETATION AND ORGANIC MATTER SHOULD NOT BE INCORPORATED INTO THE COMPACTED FILL.
  14. ALL SITE PREPARATION AS INDICATED SHALL BE MADE UNDER THE CONTINUOUS INSPECTION OF THE GEOTECHNICAL ENGINEER. SECURE THE REQUIRED PERMITS 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 SAFETY OF WORKERS. SHORING CALCULATIONS SHALL BE PROVIDED BY THE CONTRACTOR AT HIS EXPENSE AS REQUIRED FOR APPROVAL AND PERMITTING.
  15. THE CONTRACTOR SHALL KEEP THE CONSTRUCTION AREA SUFFICIENTLY DAMPENED TO CONTROL DUST CAUSED BY WORK ACTIVITIES AS REQUIRED BY THE CITY ENGINEER. THE CONTRACTOR SHALL PROVIDE 6' HIGH TEMPORARY FENCING WITH VISUAL BARRIER AROUND THE PROJECT LIMITS AND A TEMPORARY CONSTRUCTION ACCESS ON-SITE.
  16. ALL WORK IN THE PUBLIC RIGHT OF WAY REQUIRES APPROVAL BY THE CITY OF LOS ANGELES DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS BEFORE CONSTRUCTION BEGINS. CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS INCLUDING UTILITY CONNECTIONS REQUIRED PRIOR TO CONSTRUCTION.
  17. VOIDS RESULTING FROM REMOVAL OF STRUCTURES SHALL BE FILLED WITH SUITABLE MATERIALS APPROVED BY THE CITY INSPECTOR AND COMPACTED TO 95% MINIMUM DENSITY PER ASTM D-1557 AND THE RECOMMENDATIONS WITHIN THE SOILS ENGINEERING EXPLORATION REPORT.
  18. UPON COMPLETION OF PROJECT, CONTRACTOR SHALL REMOVE EXISTING CONSTRUCTION FENCING, APPURTENANCES AND OFFICE TRAILERS FROM THE SITE. PAVEMENT SHALL BE PATCHED AND REPAIRED TO MATCH ADJACENT PAVEMENT AND APPROVED BY THE CITY ENGINEER AS APPLICABLE.
  19. ANY ADDITIONAL SURVEYS OR TESTING AS A RESULT OF CONTRACTOR ERROR OR MISINFORMATION WILL BE CHARGED TO THE CONTRACTOR.
  20. THE CONSTRUCTION SHALL NOT RESTRICT A FIVE FOOT CLEAR AND UNOBSTRUCTED ACCESS TO ANY WATER OR POWER DISTRIBUTION FACILITIES (POWER POLES, PULL-BOXES, TRANSFORMERS, VAULTS, PUMPS, VALVES, METERS, APPURTENANCES, ETC.) OR TO THE LOCATION OF THE HOOK UP, THE CONSTRUCTION SHALL NOT BE WITHIN TEN FEET OF ANY POWER LINES WHETHER OR NOT THE LINES ARE LOCATED ON THE PROPERTY. FAILURE TO COMPLY MAY CAUSE CONSTRUCTION DELAYS AND/OR ADDITIONAL EXPENSES.
  21. TRIM TREE ROOTS AS NECESSARY OR GRADED ON AREAS TO BE PAVED. TRIM ROOTS UNDER THE DIRECTION OF A CERTIFIED CITY APPROVED ARBORIST. NOTIFY THE CITY ENGINEER PRIOR TO TRIMMING OF TREES.

## LL NOTES:

- FILL SHALL NOT BE PLACED UNTIL STRIPPING OF VEGETATION, REMOVAL OF UNSUITABLE SOILS, AND INSTALLATION OF SUBDRAIN (IF ANY) HAVE BEEN INSPECTED AND APPROVED BY THE SOIL ENGINEER. THE CITY ENGINEER MAY REQUIRE A "STANDARD TEST METHOD FOR MOISTURE, ASH, ORGANIC MATTER, PEAT OR OTHER ORGANIC SOILS" ASTM D-2974-87 ON ANY SUSPECT MATERIAL. DETRIMENTAL AMOUNTS OF ORGANIC MATERIAL SHALL NOT BE PERMITTED IN FILLS. SOIL CONTAINING SMALL AMOUNTS OF ROOTS MAY BE ALLOWED PROVIDED THAT THE ROOTS ARE IN A QUANTITY AND DISTRIBUTED IN A MANNER THAT WILL NOT BE DETRIMENTAL TO THE FUTURE USE OF THE SITE AND THE GEOTECHNICAL ENGINEER APPROVED THE USE OF SUCH MATERIAL.

2. NO FILL TO BE PLACED, UNTIL THE GEOTECHNICAL ENGINEER OR CITY ENGINEER HAS INSPECTED AND APPROVED THE BOTTOM OF EXCAVATION. FILL MATERIAL INCLUDING BASE MATERIAL SHALL BE OBTAINED FROM A DESIGNATED ON-SITE STOCKPILE AREAS, AS DIRECTED BY THE OAR. ANY ADDITIONAL IMPORT FILL MATERIAL SHALL HAVE AN EXPANSION INDEX OF LESS THAN "20". IN NO CASE SHALL ON-SITE CLAY SOILS BE PLACED IN THE UPPER 24 INCHES BENEATH CONCRETE SLABS AND WALKS AND BEHIND RETAINING WALLS AS DIRECTED IN THE GEOTECHNICAL INVESTIGATION REPORT.

3. FOR ONSITE OR NATIVE SOILS; THE GEOTECHNICAL ENGINEER SHOULD BE PRESENT TO REVIEW THE TYPES OF MATERIALS ENCOUNTERED IN THE EXCAVATIONS IN ORDER TO CONFIRM THEIR RE-USABILITY.

4. THE EXISTING PEA GRAVEL FILL BY ITSELF IS NOT ACCEPTABLE FOR REUSE AS BACK FILL, BUT IT MAY BE BLENDED WITH THE NATIVE SOIL. FILL MATERIALS SHALL CONSIST OF THE NATIVE SOIL OR APPROVED IMPORT SOIL. IMPORT SOIL AND ONSITE BLENDED NATIVE SOIL/PEA GRAVEL SHALL BE PREDOMINANTLY GRANULAR (MINIMUM 80% PASSING THE NO. 4 SIEVE AND BETWEEN 10% AND 35% PASSING THE NO. 200 SIEVE, NON-EXPENSIVE (EI LESS THAN 20). ALL FILL SHALL BE FREE OF ORGANIC OR INORGANIC DEBRIS, CONTAMINATION AND MATERIALS WITH ANY DIMENSION LARGER THAN 3 INCHES. PROPOSED IMPORT SOIL SHALL BE REVIEWED BY GEO FOR APPROVAL PRIOR TO DELIVERY TO THE JOB SITE. GEO SHALL BE NOTIFIED A MINIMUM OF THREE WORKING DAYS PRIOR TO SCHEDULED DELIVER TO THE SITE.

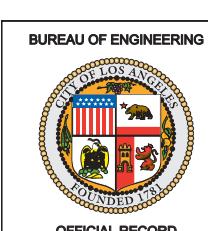
5. FILL MATERIAL SHALL BE PLACED IN LOOSE LIFTS NOT EXCEEDING 8 INCHES IN THICKNESS, MOISTURE-CONDITIONED TO WITHIN 3 PERCENT ABOVE THE OPTIMUM MOISTURE CONTENT AND MECHANICALLY COMPACTED. CLAYEY SOILS (I.E. THOSE WITH 15% OR MORE FINER THAN 0.005 MM SIEVE) ARE NOT ANTICIPATED AT THIS TIME. PRIMARY STRUCTURAL FILL AND THE UPPER 1-FOOT OF SUBGRADE BENEATH PAVEMENTS SHALL BE COMPACTED TO A MINIMUM OF 95 PERCENT RC. ANY AGGREGATE BASE SHOULD BE MOISTURE CONDITIONED TO WITHIN 3 PERCENT ABOVE OPTIMUM AND COMPACTED TO A MINIMUM OF 95 PERCENT RC.

6. FILL PLACEMENT AND COMPACTION SHALL BE OBSERVED AND TESTED BY A CERTIFIED COMPACTION TESTING AGENCY WORKING UNDER THE DIRECT SUPERVISION OF GEO. COMPACTED FILL SOILS SHALL BE KEEP MOIST, (AT OR SLIGHTLY ABOVE THE SPECIFIED MOISTURE CONTENT AT THE TIME OF COMPACTION) BUT NOT FLOODED, UNTIL COVERED WITH SUBSEQUENT CONSTRUCTION. IF COMPACTED FILL SOILS BECOME SOFTENED OR DISTURBED, THEY SHALL BE REPLACED OR RECOMPACTED AT THE DIRECTION OF GEOTECHNICAL ENGINEER BEFORE ADDITIONAL FILL OR CONSTRUCTION IS PLACED. CERTIFICATION AND INSPECTION APPROVALS FOR COMPROMISED SOILS ARE VOID AND INVALID.

## HEET INDEX

VII.

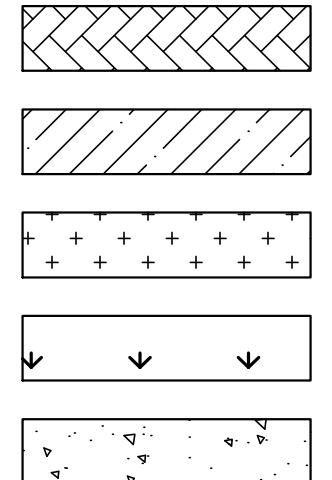
- 00 GENERAL NOTES, LEGENDS & ABBREVIATIONS
  - 01 GENERAL NOTES, LEGENDS & ABBREVIATIONS
  - 1.01 DEMOLITION PLAN
  - 00 SITE CONTROL PLAN
  - 00 SITE GRADING PLAN
  - 01 ENLARGED GRADING PLAN
  - 02 ENLARGED GRADING PLAN
  - 03 GRADING SECTIONS
  - 00 SITE UTILITY PLAN
  - 01 SITE LID PLAN
  - 00 MISCELLANEOUS DETAILS
  - 01 MISCELLANEOUS DETAILS
  - 02 MISCELLANEOUS DETAILS
  - 03 MISCELLANEOUS DETAILS
  - 04 MISCELLANEOUS DETAILS
  - 05 MISCELLANEOUS DETAILS
  - 06 MISCELLANEOUS DETAILS
  - 00 EROSION CONTROL PLAN
  - 01 EROSION CONTROL DETAILS



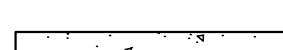
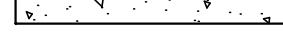
<b>BID SET</b>		<b>PROJECT ISSUE DATE:</b> <u>06/22/21</u>
<b>CITY OF LOS ANGELES</b>		
VERTICAL CONTROL: HORIZONTAL CONTROL:		
SHEET TITLE: GENERAL NOTES, LEGEND, AND APPENDIXES		
PROJECT: GRANADA HILLS POOL AND BATHHOUSE REPLACEMENT PROJECT		
ADDRESS: 16730 CHATSWORTH STREET GRANADA HILLS CA 91344		
WORK ORDER NO. <u>#E170517</u>		
PLAN FILE NO. <u>#308</u>		
DRAWING NO. <u>C100</u>		
SHEET <u>1</u>	TO <u>      </u>	SHEETS <u>100</u>

## DEMOLITION LEGEND:

- REMOVE EXISTING CONCRETE PAVING
- REMOVE EXISTING ASPHALT PAVING
- REMOVE EXISTING STRUCTURE
- CLEAR, GRUB, AND REMOVE EXISTING TURF/PLANTER/SHRUBS AND ROOTS
- PROTECT IN PLACE EXISTING CONCRETE



## SITE PLAN LEGEND:

ASPHALT PAVEMENT OVER CRUSHED AGGREGATE BASE	
CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE	
TURF OR PLANTER AREA (SEE LANDSCAPING DRAWINGS)	
WALL (SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS)	

PROPERTY LINE	-----	-----
CENTER LINE	-----	-----
FINISHED GRADE CONTOUR	-----	150.00
EXISTING GRADE CONTOUR	-----	(150.00)
EXISTING GRADE ELEVATION	-----	(150.00)
FINISHED GRADE ELEVATION	-----	150.00
CHAIN LINK FENCE (CLF)	-----	x x
FLOW LINE	-----	→ · · →
RIDGE LINE	-----	R
GRADE BREAK	-----	GB
GAS LINE	-----	G
ELECTRICAL CONDUIT	-----	E
TRAFFIC SIGNAL LINE	-----	TS
STORM DRAIN LINE	-----	SD
FIRE WATER LINE	-----	FW
FRENCH DRAIN LINE	-----	FD
IRRIGATION LINE	-----	IRR
SEWER LINE	-----	SS
DOMESTIC WATER LINE	-----	DW
CONTROL POINT	-----	△
STORM DRAIN MANHOLE	-----	④
SEWER MANHOLE	-----	⑤
STREET LIGHT	-----	⊗
GAS VALVE	-----	⊗GV
PULL BOX	-----	□PB
ELECTRICAL RISER	-----	□
GUY WIRES	-----	←
POWER POLE	-----	●
WATER METER	-----	□WM
WATER VALVE	-----	⊗WV
FIRE HYDRANT	-----	⊗
FIRE DEPARTMENT CONNECTION	-----	↙○FDC
POST INDICATOR VALVE	-----	⊗PIV
BACKFLOW PREVENTER	-----	⊗HNNHN⊗

## UTILITY NOTES:

## WATER UTILITY NOTES:

- . ALL FITTINGS SUBJECT TO AN UNBALANCED HYDROSTATIC FORCE SHALL BE RESTRAINED WITH 2000 PSI CONCRETE THRUST BLOCKS BEARING AGAINST UNDISTURBED SOIL. IN ADDITION, ALL FLEXIBLE JOINTS SHALL BE RESTRAINED WITH ANCHOR BOXES.
  - . THE CONTRACTOR SHALL FURNISH, INSTALL AND TEST ALL PIPING FOR WATER INSIDE THE DEVELOPMENT, INCLUDING FIRE SERVICE AND HYDRANTS, AND THE DOMESTIC WATER SYSTEM. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ALL THE WATER APPURTENANCES, VALVES WATER METERS (SUB-METERS), FITTINGS, THRUST BLOCKS OR RESTRAINT SYSTEM, AND FINAL CHLORINATION/ DISINFECTION OF THE WHOLE WATER DISTRIBUTION SYSTEM OF THE PROJECT IN ACCORDANCE WITH THE WATER DISTRIBUTION SPEC 02510 REQUIREMENTS.
  - . PIPING SHALL BE "LISTED" FOR FIRE PROTECTION SERVICE AND COMPLY WITH AWWA STANDARDS, WHERE APPLICABLE. FITTINGS SHALL BE OF AN "APPROVED" TYPE.
  - . ALL CONTROL VALVES SHALL BE "LISTED" INDICATING TYPE UNLESS A NON-INDICATING VALVE, SUCH AS AN UNDERGROUND GATE VALVE WITH APPROVED ROADWAY BOX COMPLETE WITH T-WRENCH, IS ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION (AHJ).
  - . DOMESTIC WATER LINE PIPE SIZE 2-1/2" AND SMALLER USE COPPER TUBING, TYPE L HARD. PROVIDE PIPE CORROSION PROTECTION.

## STORM DRAINAGE UTILITY NOTES:

1. ALL CATCH BASINS AND DRAINAGE INLETS SHALL BE STENCILED WITH "NO DUMPING, DRAINS TO OCEAN" LOGO. PER DETAIL 1 ON SHEET C5.02.
  2. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND SHALL REPORT ANY DISCREPANCIES TO THE CITY ENGINEER PRIOR TO THE COMMENCEMENT OF ANY WORK.
  3. TRENCH EXCAVATION AND BACKFILLING SHALL BE IN ACCORDANCE WITH APPLICABLE STANDARDS. THE CONTRACTORS SHALL COMPLY WITH ALL APPLICABLE DIVISION OF INDUSTRIAL REGULATIONS (CAL-OSHA) SAFETY STANDARDS.
  4. COORDINATE WITH PLUMBING PLAN TO VERFIY EXACT LOCATION OF POINT OF CONNECTION BETWEEN PLUMBING AND CIVIL. ADJUST LINE AS REQUIRED.
  5. MINIMUM STORM DRAIN LINE PIPE SLOPE AT 0.50%.
  6. DIRECT ROOF DOWNSPOUT TO PLANTER BOX OR CONNECT TO ONSITE STORM DRAINAGE LINE TOWARDS THE BIO-FILTRATION AREAS AS INDICATED ON UTILITY PLAN.

## SEWER UTILITY NOTES:

1. CONTRACTOR TO COORDINATE WITH CITY OF LOS ANGELES FOR SADDLE CONNECTION TO STREET PER CITY OF LOS ANGELES STANDARD PLAN 27983.
  2. CONTRACTOR TO FIELD VERIFY EXISTING SEWER LINE CONNECTION, CONDUCT CCTV TO VERIFY PIPE SIZE, INVERT ELEVATION, AND IDENTIFY IF THE EXISTING PIPE IS DAMAGED. IF DAMAGED EXISTING PIPE NEEDS TO BE REPLACED BASED ON THE FINDINGS NEW SEWER 6"Ø LATERALS SHALL BE INSTALLED WITH A 1% MINIMUM SLOPE.
  3. CONTRACTOR TO COORDINATE WITH THE OFF-SITE WORKS DURING INSTALLATION, ADJUST SEWER LINE CONNECTION AS REQUIRED.
  4. CONTRACTOR TO VERIFY ALL CONDITIONS AND DIMENSIONS AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF ANY WORK.
  5. TRENCH EXCAVATION AND BACKFILLING SHALL BE IN ACCORDANCE WITH APPLICABLE STANDARD. THE CONTRACTORS SHALL COMPLY WITH ALL APPLICABLE DIVISION OF INDUSTRIAL REGULATIONS (CAL-OSHA) SAFETY STANDARDS.
  6. FOR TOP OF RIM, CLEAN OUT COVER ELEVATION, AND MANHOLE COVER ELEVATION, COORDINATE UTILITY PLAN WITH GRADING PLANS; REPORT ANY DISCREPANCIES TO THE CITY ENGINEER PRIOR TO THE COMMENCEMENT OF ANY WORK.
  7. TEST SHALL BE CONDUCTED IN ACCORDANCE WITH SECTION 306 – UNDERGROUND CONDUIT CONSTRUCTION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
  8. CONTRACTOR TO VERIFY POINT OF CONNECTION BETWEEN SEWER LATERAL AND BUILDING PLUMBING SEWER LAYOUT AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF ANY WORK.

## ABBREVIATIONS:

AC	ASPHALT CONCRETE
AD	AREA DRAIN
APWA	AMERICAN PUBLIC WORKS ASSOCIATION
ARCH	ARCHITECTURAL
ASPH	ASPHALT
BC	BEGINNING OF CURVE
BLDG	BUILDING
BM	BENCHMARK
BW	BACK OF SIDEWALK
BX	BOTTOM OF RAMP
BS	BOTTOM OF STEP
CAB	CRUSHED AGGREGATE BASE
CB	CATCH BASIN
CCTV	CLOSED CIRCUIT TELEVISION
CEFB	CITY ENGINEER FIELD BOOK
CF	CURB FACE
CL	CENTERLINE
CI	CAST IRON
CLF	CHAIN LINK FENCE
CLR	CLEAR
CMB	CRUSHED MISCELLANEOUS BASE
CO	CLEANOUT
CONC	CONCRETE
CPM	CONSTRUCTION PROJECT MANAGER
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DDSG	DRIVE DOUBLE-LEAF SWING GATE
DMH	DRAIN MAINTENANCE HOLE
DS	DRAIN
DW	DOMESTIC WATER
DWG(S)	DRAWING(S)
DWP	DEPARTMENT OF WATER AND POWER
DWY	DRIVEWAY
E	EAST
EC	END OF CURVE
EDS	EDISON
EG	EDGE OF GUTTER/EXISTING GRADE
ELEC	ELECTRICAL
EL, ELEV	ELEVATION
EJ	EXPANSION JOINT
EP	EDGE OF PAVEMENT
EXIST, EX	EXISTING
EXP	EXPANSION
FB	FIELD BOOK
FD	FRENCH DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FF	FINISH FLOOR ELEVATION
FG	FINISH GRADE
FH	FIRE HYDRANT
FL	FLOW LINE
FND	FOUNDATION
FS	FINISH SURFACE
FT	FEET
FW	FIRE WATER
G	GAS
GB	GRADE BREAK
GM	GAS METER
GVLT	GAS VAULT
GV	GAS VALVE
HP	HIGH POINT
IE	INVERT ELEVATION
IIE	INLET INVERT ELEVATION
INV	INVERT
IRR	IRRIGATION
ITEM NO.	ITEM SHOWN ON PTR
L	LENGTH
MAX	MAXIMUM
MEAS	MEASURED
MH	MAINTENANCE HOLE, MANHOLE

## ABBREVIATIONS

N NORTH  
NPR NEWSPAPER RACK

OC ON CENTER  
OIE OUTLET INVERT ELEVATION  
OAR OWNERS AGENT REPRESENTITIVE

P PROPORTIONED  
PA PLANTING AREA  
PM PUNCH MARK ON MANHOLE, PARKING METER  
PCC PORTLAND CONCRETE CEMENT  
PIV POST INDICATOR VALVE  
PL PROPERTY LINE  
PP POWER POLE  
PTR PRELIMINARY TITLE REPORT  
PSG PEDESTRIAN SWING GATE  
PVC POLYVINYL CHLORIDE PIPE  
PVMT PAVEMENT

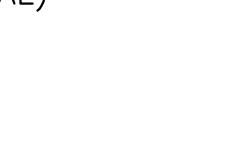
R RADIUS (GEOMETRY), RIDGE (GRADING), RECORD (SURVEY)  
RCP REINFORCED CONCRETE PIPE  
REF REFERENCE  
RW RIGHT OF WAY

S SLOPE, SOUTH, SEWER  
SD STORM DRAIN  
SDR STANDARD PIPE DIMENSION RATIO  
SSMH SANITARY SEWER MANHOLE  
SDMH STORM DRAIN MANHOLE  
SLPB STREET LIGHT PULLBOX  
SPK SPIKE  
SPKR SPRINKLER  
SS SANITARY SEWER  
STA STATION, STD(S), STANDARD(S)  
S&W SPIKE & WASHER  
SW SIDEWALK

T TANGENT  
TA TREE AREA  
TAD TOP OF AREA DRAIN  
TC TOP OF CONCRETE OR CURB  
TCB TOP OF CATCH BASIN  
TCO TOP OF CLEAN OUT  
TE TOP ELEVATION  
TEL TELEPHONE  
TEL VLT TELEPHONE VAULT  
TG TOP OF GRATE  
TMH TELEPHONE MANHOLE  
TMS TOP OF MOW STRIP  
TOS TOP OF SLOPE, TOP OF SLAB  
TOE TOP OF EMBANKMENT  
TSPB TRAFFIC SIGNAL PULLBOX  
TS TOP OF STEP  
TW TOP OF WALL  
TX TOP OF RAMP  
TYP TYPICAL

U/G UNDERGROUND  
VCP VITRIFIED CLAY PIPE  
VIF VERIFY IN FIELD  
V V VAULT IN VENTS

W DOMESTIC WATER, WEST  
C WATER METER  
WV WATER VALVE  
WVLT WATER VAULT  
  
YB YARD BOX  
(W,S,G,E) (WATER, SEWER, GAS, ELECTRICAL)

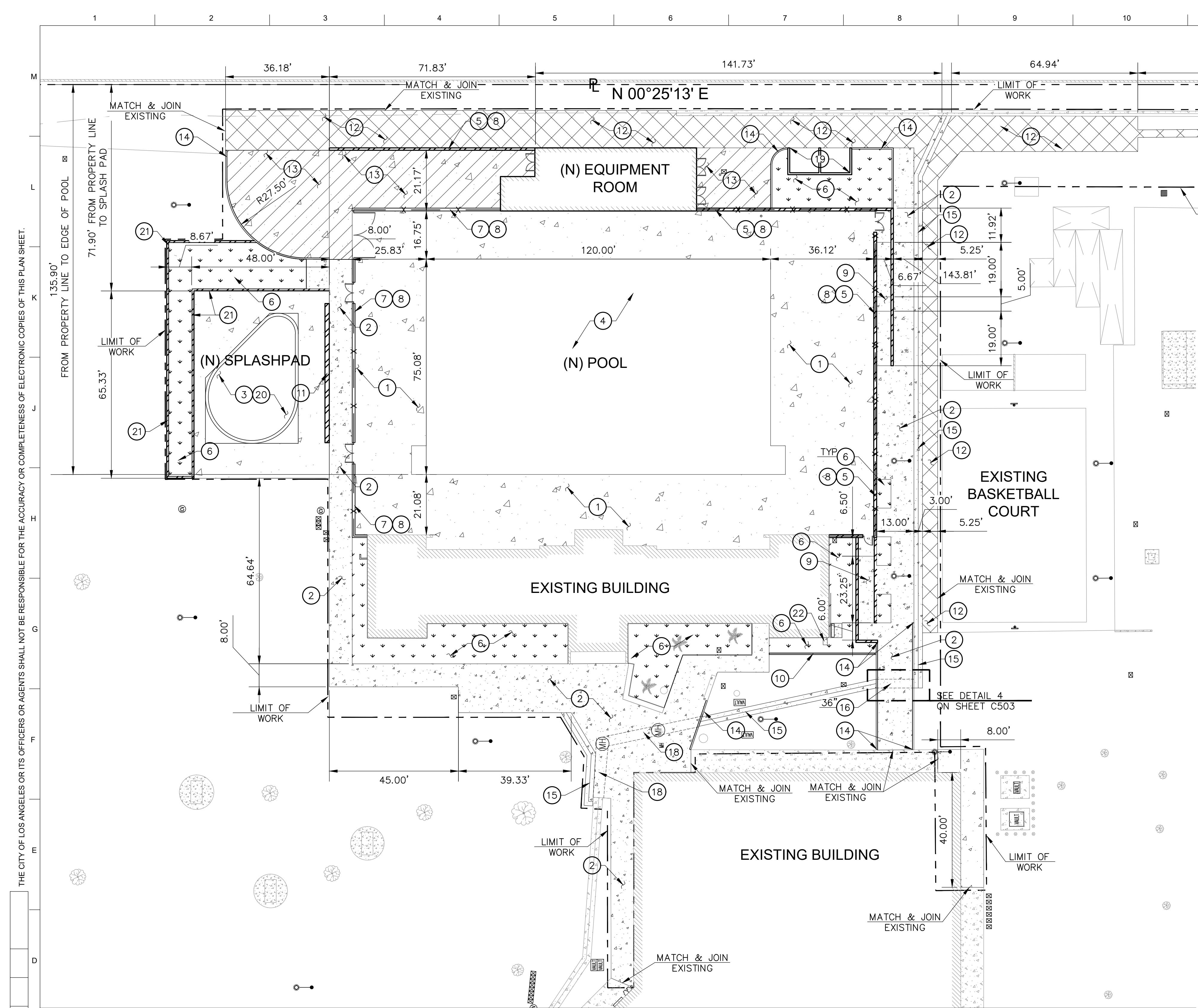
  
CIVIL • STRUCTURAL  
ENGINEERS INC.  
Tel: 323.729.6098 Fax: 323.729.6043

A circular registration stamp. The outer ring contains the words "REGISTERED PROFESSIONAL ENGINEER" at the top and "CIVIL" at the bottom. The center contains "VIRGILIO C. AOANAY" above a horizontal line, "No. C36079" below it, and "Exp. 6/30/20" at the bottom. There are four small stars, one in each quadrant of the inner circle.

DEPARTMENT OF PUBLIC WORKS	
<b>GARY LEE MOORE, PE, ENV SP</b>	
ARCHITECTURAL DIVISION	CITY ENGINEER
DESIGNED BY: VIRGILIO AOANAN	DATE: 03/03/2020
DRAWN BY: AUTUMN WAGGONER	DATE: 03/03/2020
CHECKED BY: VIRGILIO AOANAN	DATE: 03/03/2020
APPROVED BY: VIRGILIO AOANAN	DATE: 03/03/2020

<b>06/22/21</b>	<b>LOS ANGELES</b>	<b>CITY</b>	<b>06/22/21</b>
		<b>CRITICAL CONTROL:</b>	
		<b>HORIZONTAL CONTROL:</b>	
<b>HEET TITLE: GENERAL NOTES, LEGEND, AND ABBREVIATIONS</b>			
<b>OBJECT:</b>	GRANADA HILLS POOL AND BATHHOUSE REPLACEMENT PROJECT		
<b>ADDRESS:</b>	16730 CHATSWORTH STREET GRANADA HILLS. CA 91344		

VE	SH	PR	AD
SHEET 2	NO 10	SHEETS 10	
PROJECT ISSUE DATE:			
CITY OF LOS ANGELES			
WORK ORDER NO. #E170517			
PLAN FILE NO. #308			
DRAWING NO. <b>C101</b>			



**SURVEY SOURCE**  
FLORENTINO FERRER & ASSOCIATES  
LAND SURVEYORS & ENGINEERS  
2268 CECIANA DRIVE  
HACIENDA HEIGHTS, CA 91745  
PHONE: (626)333-9644  
FAX: (626)629-7900

#### SHEET NOTES:

- BASIS OF BEARINGS:  
THE HORIZONTAL BASIS OF BEARING IS THE CENTERLINE OF CHATSWORTH AVENUE BEING N 89°34'52" W, AS SHOWN ON TRACT NO. 30883, M.B. 798, PAGES 33-34, RECORDED IN THE OFFICE OF THE COUNTY RECORDER OF THE LOS ANGELES COUNTY.  
THE VERTICAL BASIS OF BEARING IS A LOS ANGELES CITY BENCHMARK, 04-03302.
- BENCHMARKS:  
BM ID NO. 04-03302  
ELEVATION: 934.605 FEET  
YEAR: 1974  
NAVD 1988-2002  
4FT S OF S CURB LINE CHATSWORTH ST; 37.5FT W OF BC CURB RETURN W OF HAYVENHURST AVE;  
SW COR OF CB

#### SURVEY NOTES:

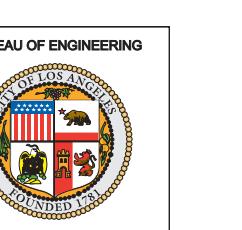
- BASIS OF BEARINGS:  
THE HORIZONTAL BASIS OF BEARING IS THE CENTERLINE OF CHATSWORTH AVENUE BEING N 89°34'52" W, AS SHOWN ON TRACT NO. 30883, M.B. 798, PAGES 33-34, RECORDED IN THE OFFICE OF THE COUNTY RECORDER OF THE LOS ANGELES COUNTY.  
THE VERTICAL BASIS OF BEARING IS A LOS ANGELES CITY BENCHMARK, 04-03302.
- BENCHMARKS:  
BM ID NO. 04-03302  
ELEVATION: 934.605 FEET  
YEAR: 1974  
NAVD 1988-2002  
4FT S OF S CURB LINE CHATSWORTH ST; 37.5FT W OF BC CURB RETURN W OF HAYVENHURST AVE;  
SW COR OF CB

#### CONSTRUCTION NOTES:

- 6" CONCRETE PAVEMENT POOL DECK PER DETAIL 1 ON SHEET C500.
- 5" CONCRETE PAVEMENT PER DETAIL 3 ON SHEET C5.00. JOINTS PER SHEET C500 DETAIL 4.
- SPASH PAD PER ARCHITECTURAL AND AQUATIC DRAWINGS.
- POOL PER ARCHITECTURAL AND AQUATIC DRAWINGS.
- RETAINING WALL PER ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- PLANTER AREA PER LANDSCAPE DRAWINGS.
- 12" FENCE CURB PER DETAIL 2 ON SHEET C502.
- FENCE PER ARCHITECTURAL DRAWINGS.
- ADA RAMP PER ARCHITECTURAL DRAWINGS
- INSTALL MOWSTRIP PER DETAIL 4 ON SHEET C503.
- SEATWALL PER ARCHITECTURAL DRAWINGS.
- AC PAVEMENT PER DETAIL 3 ON SHEET C501. PROVIDE PAVEMENT TRANSITION PER SHEET C500 DETAIL 4.
- 8" CONCRETE PAVEMENT PER DETAIL 3 ON SHEET C500.
- CURB PER DETAIL 3 ON SHEET C5.02. ELEVATIONS PER GRADING SHEETS.
- CONSTRUCT V GUTTER PER DETAIL 4 ON SHEET C502.
- CONCRETE PARKWAY DRAIN PER CITY OF LOS ANGELES PLAN S-320-0. SIZE PER PLAN.
- REPLACE EXISTING TURF AREA, MATCH EXISTING.
- REPLACE EXISTING PARKWAY DRAIN AND PARKWAY DRAIN MANHOLES. VERIFY IN FIELD INVERT. TOP OF PARKWAY PER GRADING SHEET C300.
- TRASH ENCLOSURE PER ARCHITECTURAL DRAWINGS.
- 6" CONCRETE SPLASH PAD PER DETAIL 3 ON SHEET C500.
- 18" PLANTER WALL PER DETAIL 3 ON SHEET C503.
- SPLASH BLOCK PER ARCHITECTURAL DRAWINGS.

#### LEGEND:

ASPHALT PAVEMENT
CONCRETE PAVEMENT
EXISTING CONCRETE PAVEMENT
WALL
LANDSCAPE AREA
TRAFFIC RATED CONCRETE PAVEMENT.



**SITE CONTROL PLAN**  
20 10 0 20 40  
SCALE: 1" = 20'  
CITY OF LOS ANGELES



PROJECT ISSUE DATE: 06/22/21	WORK ORDER NO. #E170517
CITY OF LOS ANGELES	PLAN FILE NO. #308
PROJECT: GRANADA HILLS POOL AND BATHHOUSE REPLACEMENT PROJECT	DRAWING NO. C200
ADDRESS: 16730 CHATSWORTH STREET GRANADA HILLS, CA 91344	SHEET 4 OF 19

BUREAU OF ENGINEERING	
DATE BY	
INDEX NO.	RP-300118
PROJECT NO. C500	
CITY OF LOS ANGELES	
CIVIL	
REGISTRATION NO. C36079	
EXPIRATION DATE 6/30/20	

ENGINEERING

CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, PE, ENV SP

ARCHITECTURAL DIVISION

DESIGNED BY: VIRGILIO AOANAN

DRAWN BY: AUTUMN WAGGNER

CHECKED BY: VIRGILIO AOANAN

APPROVED BY: VIRGILIO AOANAN

BUREAU OF ENGINEERING

VERTICAL CONTROL

HORIZONTAL CONTROL:

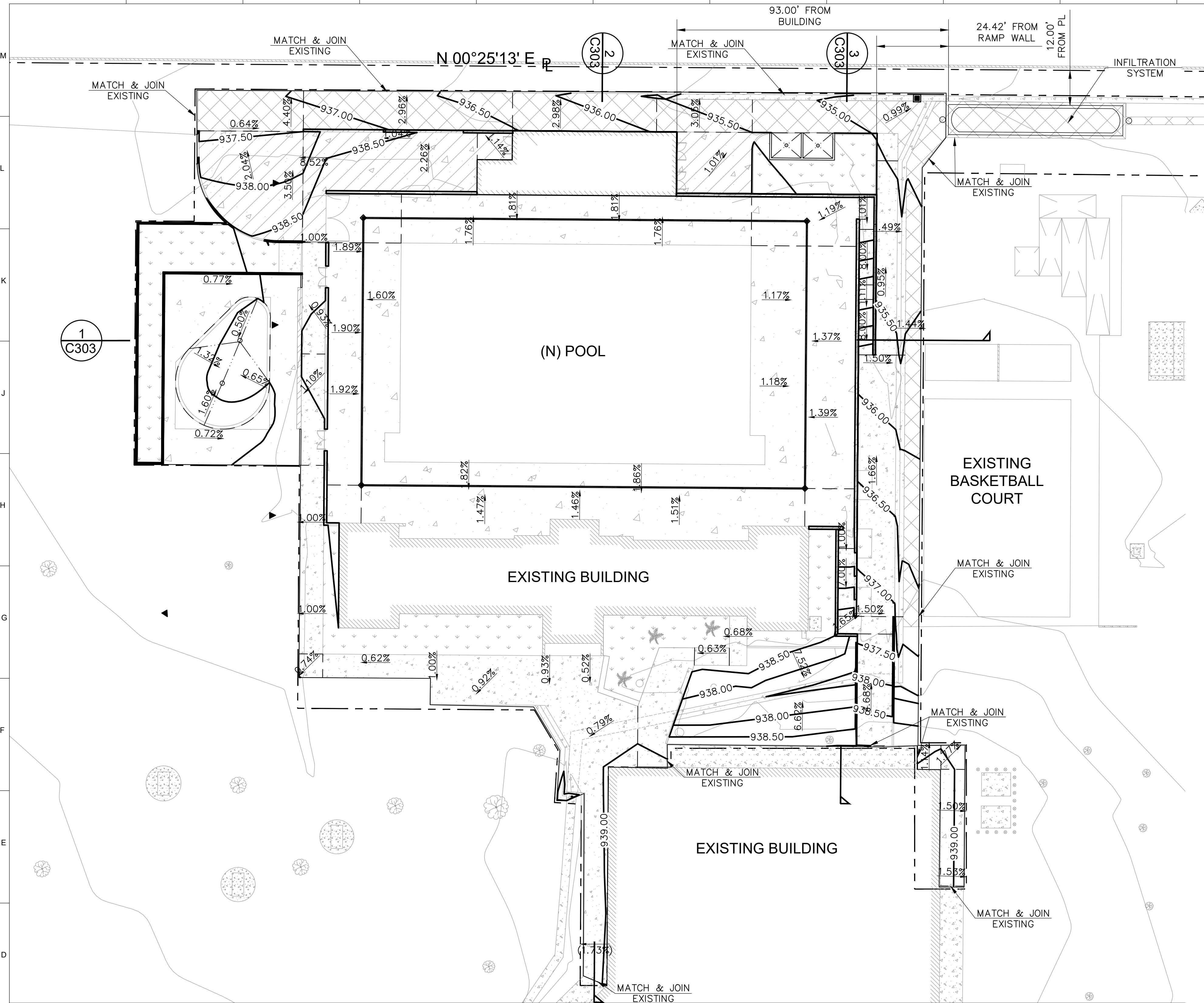
SHEET TITLE: SITE CONTROL PLAN

PROJECT: GRANADA HILLS POOL AND BATHHOUSE REPLACEMENT PROJECT

ADDRESS: 16730 CHATSWORTH STREET GRANADA HILLS, CA 91344

PLOTTED 09/08/2019 10:00:00 PM

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.



#### SHEET NOTES:

- FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS, SEE SHEETS C1.00 AND C1.01.
- SEE ARCHITECTURAL AND LANDSCAPE DRAWINGS FOR OTHER SITE RELATIVE DIMENSIONS NOT SHOWN ON THIS DRAWING.
- FOR FINAL GRADING PLAN NOTES, SEE THIS SHEET.
- FOR ELEVATION SHOWN ON THIS PLAN SUCH AS TOP OF GRATE, CLEAN OUT, MANHOLE COVER, TOP OF DRAINAGE GRATES, TOP OF RIM CONTRACTOR TO COORDINATE ELEVATION SHOWN ON UTILITY PLANS. REPORT/NOTIFY ENGINEER FOR ANY CONFLICT/DISCREPANCY IN ELEVATION PRIOR TO COMMENCEMENT OF WORK.
- CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND SHALL REPORT ANY DISCREPANCIES TO THE CPM OR IOR PRIOR TO THE COMMENCEMENT OF ANY WORK.
- CONTRACTOR SHALL VERIFY JOINING OF NEW IMPROVEMENT TO ADJACENT FEATURES, EXISTING/ MATCH TO EXISTING FEATURES WITH SURVEY INFORMATION, CURRENT SITE CONDITION AND WITH THE DESIGN GRADE & ELEVATIONS AND SHALL REPORT ANY DISCREPANCIES TO THE CPM OR IOR PRIOR TO THE COMMENCEMENT OF WORK.

#### FINAL GRADING NOTES

- ALL GRADING SHALL BE PERFORMED UNDER THE SUPERVISION OF THE CITY INSPECTOR AND/OR GEOTECHNICAL ENGINEER.
- FOR EXCAVATION, FILL, BACKFILL, AND COMPACTION, THE CONTRACTOR SHALL FOLLOW THE RECOMMENDATIONS AS INDICATED WITHIN THE GEOTECHNICAL REPORT.
- NO GRADING WORK SHALL BE PERFORMED AT ANY TIME WITHOUT AN EROSION CONTROL SYSTEM APPROVED BY THE DISTRICT ENGINEER AND JURISDICTIONAL AGENCY. ANY GRADING WORK SHALL BE PERFORMED WITH AN EROSION CONTROL SYSTEM APPROVED BY THE DISTRICT ENGINEER AND THE JURISDICTIONAL AGENCIES. EROSION CONTROL PLAN SHALL BE PROVIDED BY THE CONTRACTOR.
- CONTRACTOR SHALL PROVIDE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND EROSION AND SEDIMENTATION CONTROL FOR REVIEW AND APPROVAL BY THE JURISDICTIONAL AGENCIES. USE RECOMMENDATIONS BY THE BEST MANAGEMENT PRACTICES (BMP'S) TO IMPLEMENT CONTROL. USE MINIMUM OF TWO STACKED SANDBAGS AROUND THE PERIPHERY OF THE WORK LIMITS TO AUGMENT THE SYSTEM REQUIRED BY THE AGENCIES HAVING JURISDICTION OVER THE PROJECT.
- CONSTRUCT DESIGN GRADES SHOWN ON PLAN. CONSTRUCT STRAIGHT GRADES BETWEEN INDICATED ELEVATIONS UNLESS INTERRUPTED BY A GRADE CHANGE LINE.
- THE CONTRACTOR SHALL NOT BEGIN THE PAVING OPERATION UNTIL THE SUBGRADE HAS BEEN APPROVED BY THE GRADING INSPECTOR AND SOIL ENGINEER.
- THE CONTRACTOR IS ADVISED THAT THE APPROVAL OF THIS PLAN DOES NOT WAIVE THE REQUIREMENTS FOR EXCAVATIONS CONTAINED IN THE STATE CONSTRUCTION SAFETY ORDERS ENFORCED BY THE STATE DIVISION OF INDUSTRIAL SAFETY.
- NO FILL TO BE PLACED, UNTIL THE GEOTECHNICAL ENGINEER AND INSPECTOR HAVE INSPECTED AND APPROVED THE BOTTOM OF EXCAVATION.
- ALL FILL OR BACK FILL SHALL BE COMPACTED IN 6" TO 8" LOOSE LAYERS BY MECHANICAL MEANS TO A MINIMUM 90% RELATIVE COMPACTION AS DETERMINED BY THE ASTM D-1557. THE TOP 12" OF FILL OR BACKFILL SHALL BE COMPACTED TO A MINIMUM 95% RELATIVE COMPACTION.
- ALL IMPORTED FILL SHALL BE APPROVED AT THE SOURCE PRIOR TO DELIVERY TO THE SITE.
- SEE ARCHITECTURAL PLAN FOR TOP OF WALL ELEVATION AND SECTION.

#### ESTIMATED EARTHWORK QUANTITY

ESTIMATED CUT = 1200 CY  
ESTIMATED FILL = 50 CY  
NET EXPORT = 1150 CY

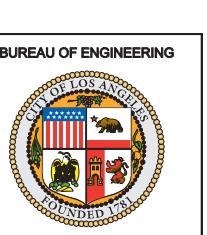
POOL OVEREXCAVATION & RECOMPACTON = 375 CY

#### NOTES

- THE ESTIMATED QUANTITIES PROVIDED ABOVE ARE FOR REFERENCE ONLY TO BE USED FOR JURISDICTIONAL PLAN CHECKING AND PERMITTING PURPOSES ONLY.
- ESTIMATED EARTHWORK ABOVE IS BASED ON DESIGN FINISH GRADES TO EXISTING GRADES IN SURVEY. THE ESTIMATED EARTHWORK DOES NOT CONSIDER THE THICKNESS OF EACH PAVEMENT MATERIAL, FOUNDATION AND SLAB ON GRADE VOLUMES, THE REMOVAL OF ANY UNSUITABLE MATERIAL, AND THE REMOVAL OF EXISTING BASEMENTS, PITS, VAULTS, TOP SOIL OR VEGETATION.
- THE ESTIMATED EARTHWORK QUANTITIES DO NOT INCLUDE SHRINKAGE FACTORS DUE TO COMPACTION OR ANY OVER EXCAVATION QUANTITIES.
- THE CONTRACTOR SHALL CALCULATE HIS OWN EARTHWORK QUANTITIES NECESSARY FOR HIS BID AND WORK. VCA IS NOT RESPONSIBLE AND LIABLE FOR THE CONTRACTOR'S EARTHWORK CALCULATIONS.
- 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.
- THE ESTIMATED QUANTITIES WERE CALCULATED AND LIMITED ON ON-SITE AREA ONLY.

#### GRADING LEGEND

- FINISHED GRADE CONTOUR ----- 150.00  
EXISTING GRADE CONTOUR ----- (150.00)  
EXISTING GRADE ELEVATION ----- (150.00)  
FINISHED GRADE ELEVATION ----- 150.00



This set of plans and specifications must be at the jobsite during construction

Stormwater Observation Report (SOR) is required prior to issuance of Certificate of Occupancy or final sign off.

Total Pages \_\_\_\_\_

Restamped'

Digitally Signed By: A. Eltawil Date: 08/06/2020  
Department of Public Works - Bureau of Sanitation  
Watershed Protection Division

PROJECT:	GRANADA HILLS POOL AND BATHHOUSE REPLACEMENT PROJECT
ADDRESS:	16730 CHATSWORTH STREET GRANADA HILLS, CA 91344
WORK ORDER NO.	#E170517
PLAN FILE NO.	#308
DRAWING NO.	C300
SHEET NO.	5
OF SHEETS	19

BID SET PROJECT ISSUE DATE: 06/22/21

CITY OF LOS ANGELES

STORMWATER MITIGATION  
LOW IMPACT DEVELOPMENT (LID)  
APPROVED WITH CONDITIONS

ENVIRONMENTAL SANITATION  
BUREAU OF ENGINEERING

Vertical Control: \_\_\_\_\_  
Horizontal Control: \_\_\_\_\_

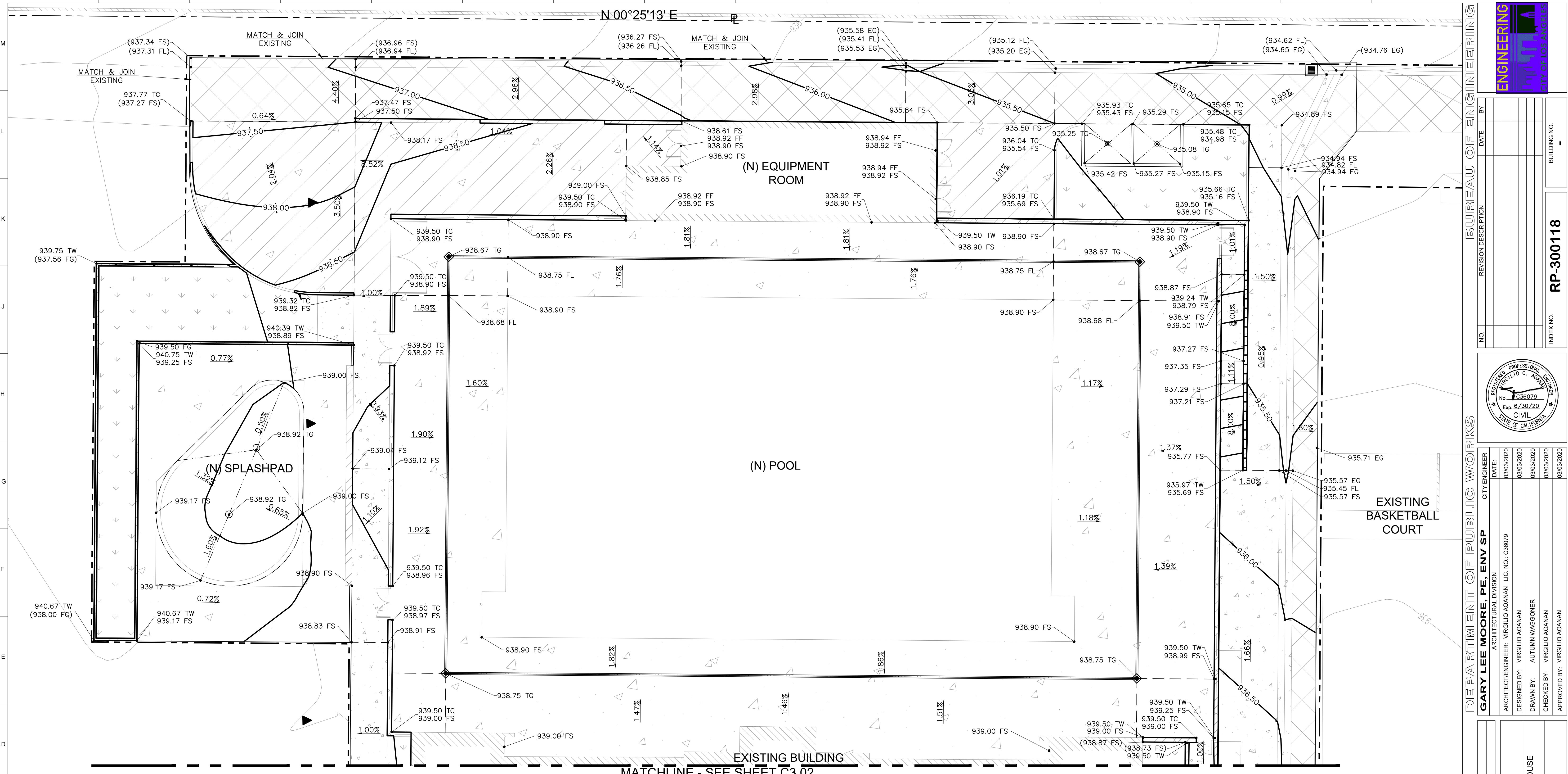
SHEET NUMBER: GRADING PLAN

WORK ORDER NO. #E170517  
PLAN FILE NO. #308  
DRAWING NO. C300  
SHEET NO. 5 OF SHEETS 19

GRADING PLAN

20 10 0 20 40  
SCALE: 1" = 20'

Plotted 09/18/2019 10:00 PM

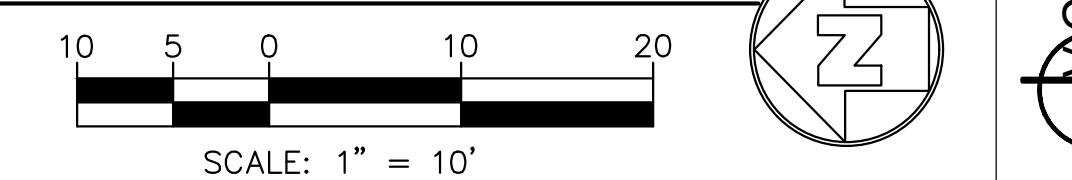


#### SHEET NOTES:

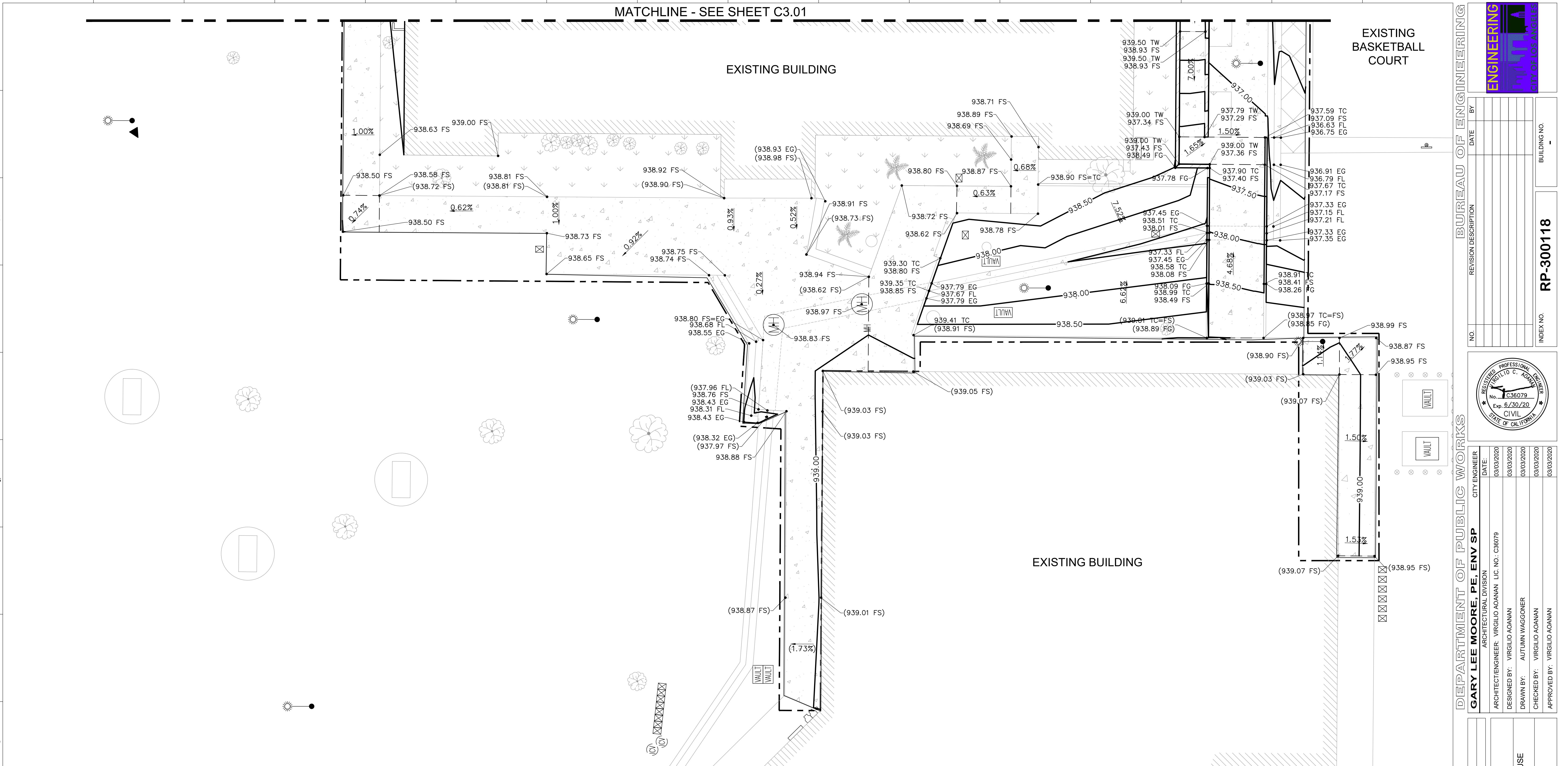
- FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS, SEE SHEETS C1.00 AND C1.01.
- SEE ARCHITECTURAL AND LANDSCAPE DRAWINGS FOR OTHER SITE RELATIVE DIMENSIONS NOT SHOWN ON THIS DRAWING.
- FOR FINAL GRADING PLAN NOTES, SEE THIS SHEET.
- FOR ELEVATION SHOWN ON THIS PLAN SUCH AS TOP OF GRATE, CLEAN OUT, MANHOLE COVER, TOP OF DRAINAGE GRATES, TOP OF RIM CONTRACTOR TO COORDINATE ELEVATION SHOWN ON UTILITY PLANS. REPORT/NOTIFY ENGINEER FOR ANY CONFLICT/DISCREPANCY IN ELEVATION PRIOR TO COMMENCEMENT OF WORK.
- CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND SHALL REPORT ANY DISCREPANCIES TO THE CPM OR IOR PRIOR TO THE COMMENCEMENT OF ANY WORK.
- CONTRACTOR SHALL VERIFY JOINING OF NEW IMPROVEMENT TO ADJACENT FEATURES, EXISTING/ MATCH TO EXISTING FEATURES WITH SURVEY INFORMATION, CURRENT SITE CONDITION AND WITH THE DESIGN GRADE & ELEVATIONS AND SHALL REPORT ANY DISCREPANCIES TO THE CPM OR IOR PRIOR TO THE COMMENCEMENT OF WORK.



ENLARGED GRADING PLAN

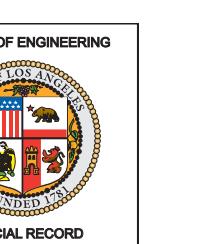


M  
THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



#### SHEET NOTES:

- FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS, SEE SHEETS C1.00 AND C1.01.
- SEE ARCHITECTURAL AND LANDSCAPE DRAWINGS FOR OTHER SITE RELATIVE DIMENSIONS NOT SHOWN ON THIS DRAWING.
- FOR FINAL GRADING PLAN NOTES, SEE THIS SHEET.
- FOR ELEVATION SHOWN ON THIS PLAN SUCH AS TOP OF GRATE, CLEAN OUT, MANHOLE COVER, TOP OF DRAINAGE GRATES, TOP OF RIM CONTRACTOR TO COORDINATE ELEVATION SHOWN ON UTILITY PLANS. REPORT/NOTIFY ENGINEER FOR ANY CONFLICT/DISCREPANCY IN ELEVATION PRIOR TO COMMENCEMENT OF WORK.
- CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND SHALL REPORT ANY DISCREPANCIES TO THE CPM OR IOR PRIOR TO THE COMMENCEMENT OF ANY WORK.
- CONTRACTOR SHALL VERIFY JOINING OF NEW IMPROVEMENT TO ADJACENT FEATURES, EXISTING/ MATCH TO EXISTING FEATURES WITH SURVEY INFORMATION, CURRENT SITE CONDITION AND WITH THE DESIGN GRADE & ELEVATIONS AND SHALL REPORT ANY DISCREPANCIES TO THE CPM OR IOR PRIOR TO THE COMMENCEMENT OF WORK.



**BID SET**  
**PROJECT ISSUE DATE: 06/22/21**  
**CITY OF LOS ANGELES**

**VERTICAL CONTROL:**  
**HORIZONTAL CONTROL:**  
**WORK ORDER NO. #E170517**  
**PLAN FILE NO. #308**  
**DRAWING NO. C302**  
**SHEET 7 OF 19 SHEETS 19**

**PLOTTED: 09/18/2019 10:00 PM**

M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

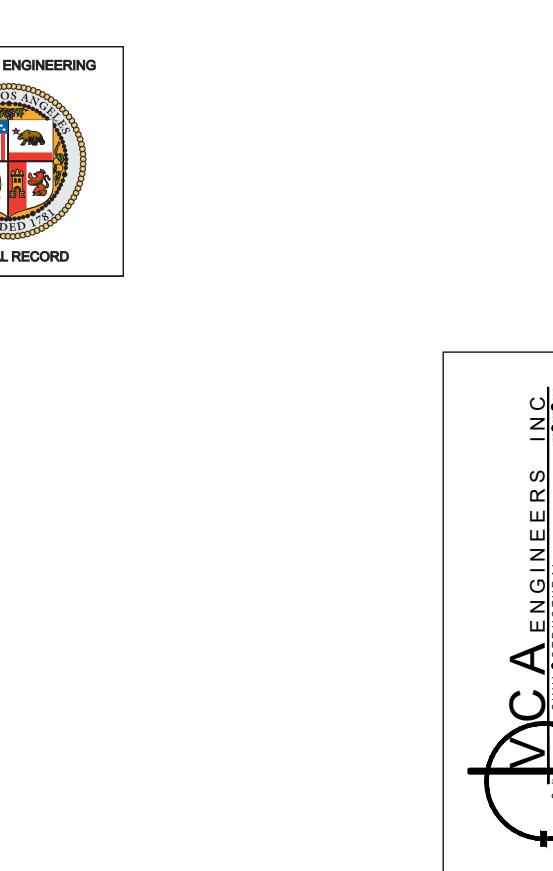
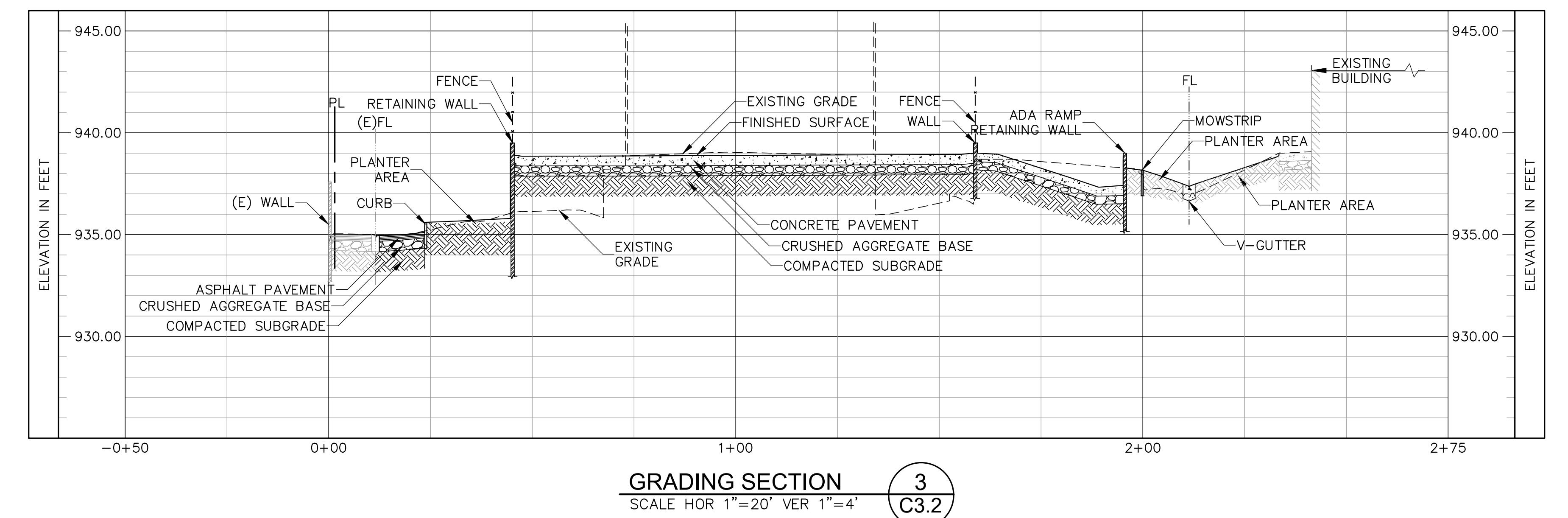
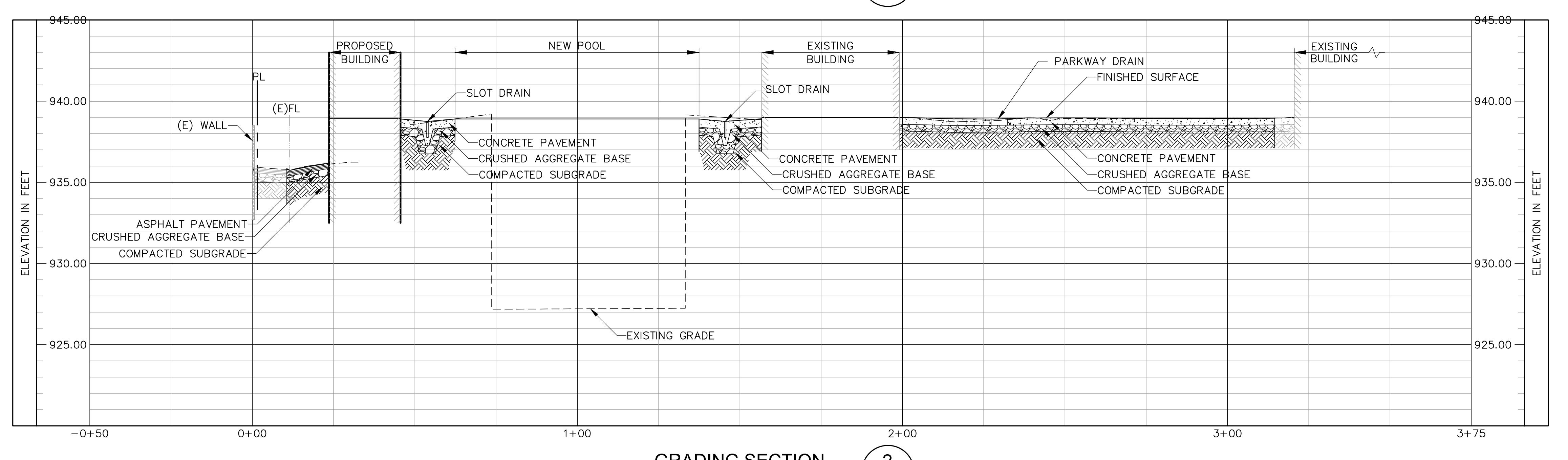
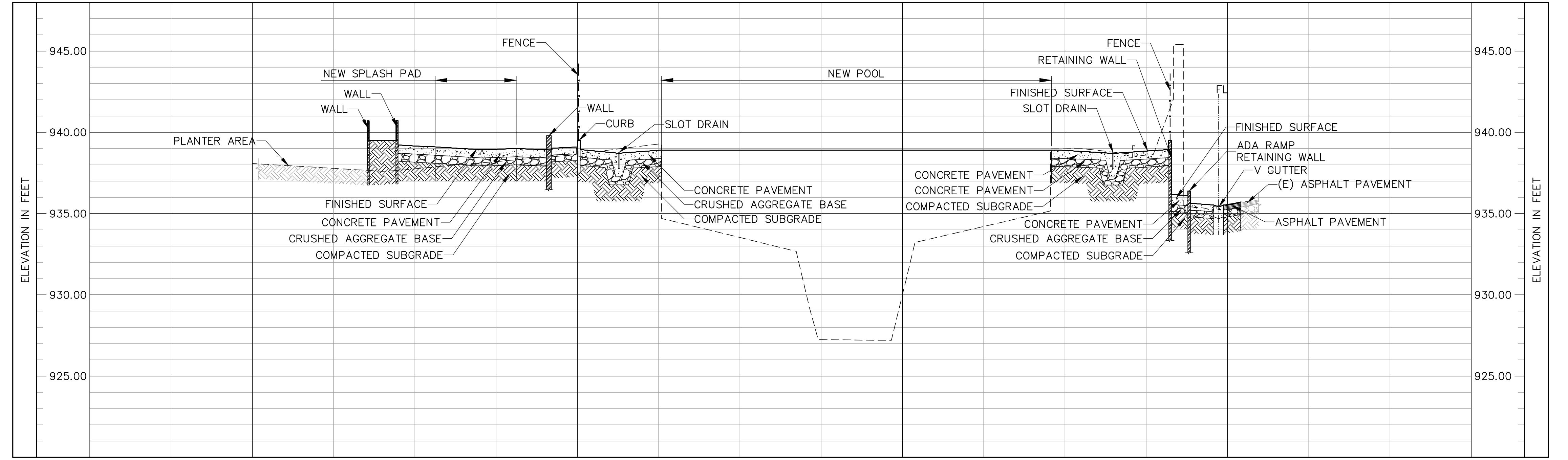
T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A

T  
M  
L  
K  
J  
H  
G  
F  
E  
D  
C  
B  
A



BID SET

PROJECT ISSUE DATE: 06/22/21

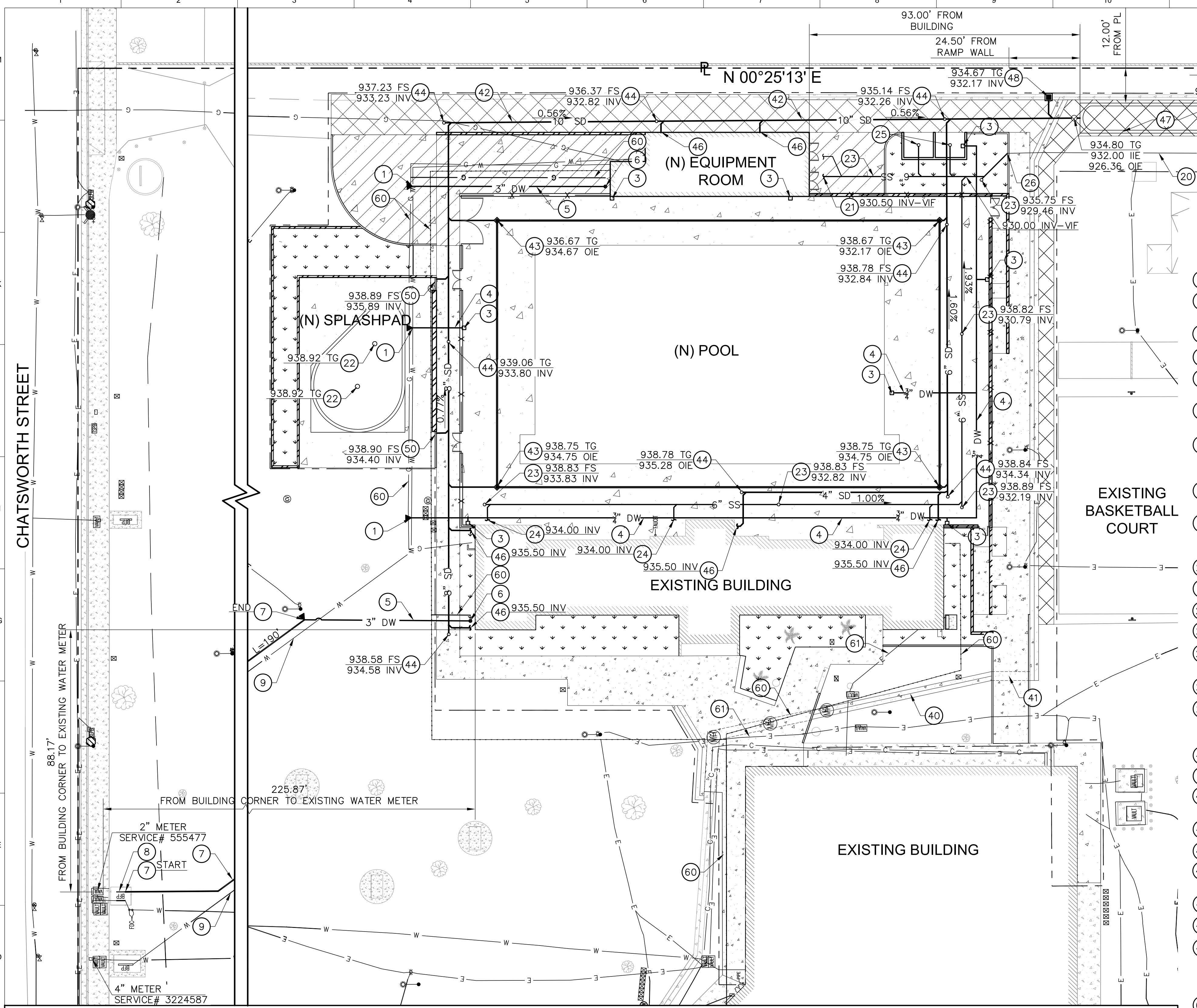
CITY OF LOS ANGELES

GRANADA HILLS POOL AND BATHHOUSE

REPLACEMENT PROJECT

ADDRESS: 16730 CHATSWORTH STREET  
GRANADA HILLS, CA 91344

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.



## SHEET NOTES:

1. FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS, SEE SHEET C100.
  2. FOR UTILITY NOTES, SEE SHEET C101.
  3. SEE ARCHITECTURAL DRAWINGS FOR OTHER SITE RELATIVE DIMENSIONS NOT SHOWN ON THIS DRAWING.
  4. FOR TOP OF GRATE, CLEAN OUT, MANHOLE COVER, TOP OF DRAINAGE GRATES, TOP OF RIM COORDINATE WITH GRADING PLANS. CONTRACTOR TO REPORT/NOTIFY THE CITY ENGINEER FOR ANY CONFLICT IN ELEVATION AND LOCATION PRIOR TO COMMENCEMENT OF WORK.
  5. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL VERIFY IN FIELD INVERT ELEVATIONS AND UTILITY CROSSINGS AND REPORT UNKNOWN CONDITIONS, FEATURES TO THE CITY ENGINEER.
  7. CONTRACTOR TO VERIFY POINT OF CONNECTION BETWEEN SEWER LATERAL AND BUILDING PLUMBING SEWER LAYOUT.
  8. CONTRACTOR SHALL FIELD VERIFY EXISTING SEWER LINE CONNECTION, SHALL USE AND PAY FOR CCTV TO VERIFY PIPE SIZE, INVERT ELEVATION AND IDENTIFY IF THE EXISTING PIPE IS DAMAGED. IF DAMAGED THE EXISTING PIPE SHALL BE REPLACED BASED ON THE FINDINGS. IF NEW LATERAL IS REQUIRED, CONTRACTOR TO INSTALL 6"Ø SEWER LATERAL AT 1% MINIMUM SLOPE.

## CONSTRUCTION NOTES:

## WATER NOTES:

- CONNECT TO EXISTING 4" DOMESTIC WATER LINE. PROVIDE THRUST BLOCKS PER DETAIL 2 ON SHEET C505.

CONNECT TO NEW BUILDING. PROVIDE REDUCED FITTINGS IF REQUIRED. COORDINATE WITH MEP PLANS AND PROVIDE DUCER FITTINGS IF NECESSARY.

STALL HOSE BIBB AND HOSE BIBB CONNECTION PER MEP DRAWINGS.

STALL  $\frac{3}{4}$ " $\phi$  DOMESTIC WATER LINE COPPER TUBING TYPE L HARD.BEDDING PER DETAIL 1 ON SHEET C503.

STALL 3" $\phi$  PVC DOMESTIC WATER LINE, AWWA C900 PRESSURE CLASS 200(DR14). BEDDING PER DETAIL 1 ON SHEET C503. PROVIDE THRUST BLOCKS PER DETAIL 2 ON SHEET C505.

VIDE SHUT OFF VALVE WITH YARD BOX. PROVIDE CONCRETE TRAFFIC RATED BOX FOR VALVES IN DRIVEWAYS AND SIDE AISLES.

PLACE EXISTING 2" $\phi$  DOMESTIC WATER LINE WITH 3" $\phi$  PVC DOMESTIC WATER PIPE, AWWA C900 PRESSURE CLASS 200(DR14). PROVIDE BEDDING PER DETAIL 1 ON SHEET C503 AND THRUST BLOCKS PER DETAIL 2 ON SHEET C505. PLACE PIPE LINE UP TO BACKFLOW PREVENTER (APX 190 LF). VERIFY LOCATION IN FIELD.

PLACE EXISTING BACKFLOW PREVENTER WITH 3" WATTS PVS-1000 RP BACKFLOW AND PRESSURE REGULATOR VALVE ASSEMBLY OR APPROVED EQUAL. COORDINATE WITH FOR APPROVED DEVICE WATER PURVEYOR PRIOR TO ORDERING.

STING 3" WATER LINE CONNECTION TO POOL MECHANICAL ROOM.

## ANITARY SEWER NOTES:

- STING 6" Ø SANITARY SEWER LINE, VERIFY IN FIELD.
  - NNECT TO BUILDING, COORDINATE WITH PLUMBING PLANS AND PROVIDE REDUCER FITTINGS AS REQUIRED.
  - STALL SPLASH PAD DRAINS AND CONNECTION TO POOL SYSTEM PER AQUATIC DRAWINGS.
  - STALL CLEANOUT PER DETAIL 2 ON SHEET C501.
  - STALL 6" SEWER LINE PVC SCH 80. USE CAST IRON FOR PIPE WHERE COVER IS LESS THAN ONE FOOT. BEDDING  
R DETAIL 1 ON SHEET C504.
  - STALL FLOOR DRAIN, ZURN Z507 MEDIUM DUTY OR EQUAL.
  - NNECT TO EXISTING SEWER LINE

## STORM DRAIN NOTES:

- CONCRETE V GUTTER PER DETAIL 4 ON SHEET C502.

CONCRETE PARKWAY DRAIN PER APWA 151-2.

STALL STORM DRAIN LINE PVC SCH 80, SIZE PER PLAN. USE CAST IRON FOR PIPE WHERE COVER IS LESS THAN ONE FOOT. BEDDING PER DETAIL 1 ON SHEET C503.

STALL SLOT DRAIN PER DETAILS 1 & 2 ON SHEET C500.

STALL CLEANOUT PER DETAIL 2 ON SHEET C5.01.

STALL BUBBLER CATCH BASIN PER DETAIL 5 ON SHEET C502. PROVIDE "NO DUMPING" STENCIL PER DETAIL 3 ON SHEET C502.

CONNECT TO BUILDING DOWNSPOUT. PROVIDE REDUCER FITTINGS AS REQUIRED.

INSTALL STORMTECH INFILTRATION SYSTEM PER DETAILS ON SHEETS C504 AND C505.

STALL CATCH BASIN PER DETAIL 5 ON SHEET C502. PROVIDE "NO DUMPING" STENCIL PER DETAIL 3 ON SHEET C502.

## MISCELLANEOUS UTILITY NOTES:

- S LINE AND CONNECTIONS PER MEP DRAWINGS.  
ELECTRICAL LINE AND CONNECTIONS PER MEP DRAWINGS

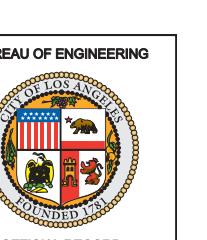


**A set of plans and specifications must be at the jobsite during construction.**

permwater Observation Report (SOR) is required prior to issuance of certificate of Occupancy or final sign off.

Total Pages \_\_\_\_\_

Restamped  
Initially Signed By: A. Eltawil Date: 08/06/2020  
Department of Public Works - Bureau of Sanitation



**OFFICIAL RECORD**

<b>PROJECT ISSUE DATE:</b> <b>06/22/21</b>		<b>VERTICAL CONTROL</b>	<b>HORIZONTAL CONTROL</b>
		<b>SHEET TITLE: UTII</b>	
		<b>PROJECT:</b>	<b>GRA</b>
		<b>REF:</b>	
		<b>ADDRESS:</b>	<b>167.</b>
		<b>GRA</b>	
WORK ORDER NO. <b>#E170517</b>			
PLAN FILE NO. <b>#308</b>			
DRAWING NO. <b>C400</b>			
<b>SHEET</b>	<b>NO</b>	<b>SHEETS</b>	

