

NPDES NOTES:

- NOTES MUST BE SHOWN AS WORDED, ON THE TITLE SHEET OF THE PLAN.
- IN THE CASE OF EMERGENCY, CALL SEE DATA AT WORK PHONE # _____ OR HOME PHONE # _____
 - SEDIMENT FROM AREAS DISTURBED BY CONSTRUCTION SHALL BE RETAINED ON SITE USING STRUCTURAL CONTROLS TO THE MAXIMUM EXTENT PRACTICABLE.
 - STOCKPILES OF SOIL SHALL BE PROPERLY CONTAINED TO MINIMIZE SEDIMENT TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES OR ADJACENT PROPERTIES VIA RUNOFF, VEHICLE TRACKING, OR WIND.
 - APPROPRIATE BMP'S FOR CONSTRUCTION-RELATED MATERIALS, WASTES, SPILLS SHALL BE IMPLEMENTED TO MINIMIZE TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES, OR ADJOINING PROPERTIES BY WIND OR RUNOFF.
 - RUNOFF FROM EQUIPMENT AND VEHICLE WASHING SHALL BE CONTAINED AT CONSTRUCTION SITES UNLESS TREATED TO REDUCE OR REMOVE SEDIMENT AND OTHER POLLUTANTS.
 - ALL CONSTRUCTION CONTRACTOR AND SUBCONTRACTOR PERSONNEL ARE TO BE MADE AWARE OF THE REQUIRED BEST MANAGEMENT PRACTICES AND GOOD HOUSEKEEPING MEASURES FOR THE PROJECT SITE AND ANY ASSOCIATED CONSTRUCTION STAGING AREAS.
 - AT THE END OF EACH DAY OF CONSTRUCTION ACTIVITY ALL CONSTRUCTION DEBRIS AND WASTE MATERIALS SHALL BE COLLECTED AND PROPERLY DISPOSED IN TRASH OR RECYCLE BINS.
 - CONSTRUCTION SITES SHALL BE MAINTAINED IN SUCH A CONDITION THAT AN ANTICIPATED STORM DOES NOT CARRY WASTES OR POLLUTANTS OFF THE SITE. DISCHARGES OF MATERIAL OTHER THAN STORMWATER ONLY WHEN NECESSARY FOR PERFORMANCE AND COMPLETION OF CONSTRUCTION PRACTICES AND WHERE THEY DO NOT CAUSE OR CONTRIBUTE TO A VIOLATION OF ANY WATER QUALITY STANDARD; CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR NUISANCE; OR CONTAIN A HAZARDOUS SUBSTANCE IN A QUANTITY REPORTABLE UNDER FEDERAL REGULATIONS 40 CFR PARTS 117 AND 302.
 - POTENTIAL POLLUTANTS INCLUDE BUT ARE NOT LIMITED TO: SOLID OR LIQUID CHEMICAL SPILLS; WASTES FROM PAINTS, STAINS, SEALANTS, GLUES, LIMES, PESTICIDES, HERBICIDES, WOOD PRESERVATIVES AND SOLVENTS; ASBESTOS FIBERS, PAINT FLAKES OR STUCCO FRAGMENTS; FUELS, OILS, LUBRICANTS, AND HYDRAULIC, RADIATOR OR BATTERY FLUIDS; FERTILIZERS, VEHICLE/EQUIPMENT WASH WATER AND CONCRETE WASH WATER; CONCRETE, DETERGENT OR FLOATABLE WASTES; WASTES FROM ANY ENGINE/EQUIPMENT STEAM CLEANING OR CHEMICAL DEGREASING AND SUPERCHLORINATED POTABLE WATER LINE FLUSHING. DURING CONSTRUCTION, PERMITTEE SHALL DISPOSE OF SUCH MATERIALS IN A SPECIFIED AND CONTROLLED TEMPORARY AREA ON-SITE, PHYSICALLY SEPARATED FROM POTENTIAL STORMWATER RUNOFF, WITH ULTIMATE DISPOSAL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS.
 - DEWATERING OF CONTAMINATED GROUNDWATER, OR DISCHARGING CONTAMINATED SOILS VIA SURFACE EROSION IS PROHIBITED. DEWATERING OF NON-CONTAMINATED GROUNDWATER REQUIRES A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT FROM THE RESPECTIVE STATE REGIONAL WATER QUALITY CONTROL BOARD.
 - GRADED AREAS ON THE PERMITTED AREA PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPES AT THE CONCLUSION OF EACH WORKING DAY. DRAINAGE IS TO BE DIRECTED TOWARD DESILTING APPARATUS.
 - THE PERMITTEE AND CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATER CREATES A HAZARDOUS CONDITION.
 - THE PERMITTEE AND CONTRACTOR SHALL INSPECT THE EROSION CONTROL WORK AND INSURE THAT THE WORK IS IN ACCORDANCE WITH THE APPROVED PLANS.
 - THE PERMITTEE SHALL NOTIFY ALL GENERAL CONTRACTORS, SUBCONTRACTORS, MATERIAL SUPPLIERS, LESSEES, AND PROPERTY OWNERS THAT DUMPING OF CHEMICALS INTO THE STORM DRAIN SYSTEM OR THE WATERSHED IS PROHIBITED.
 - EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. NECESSARY MATERIALS SHALL BE AVAILABLE ON SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
 - ALL REMOVABLE EROSION PROTECTIVE DEVICES SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE 5-DAY RAIN PROBABILITY FORECAST EXCEEDS 40%.
 - SEDIMENTS FROM AREAS DISTURBED BY CONSTRUCTION SHALL BE RETAINED ON SITE USING AN EFFECTIVE COMBINATION OF EROSION AND SEDIMENT CONTROLS TO THE MAXIMUM EXTENT PRACTICABLE, AND STOCKPILES OF SOIL SHALL BE PROPERLY CONTAINED TO MINIMIZE SEDIMENT TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES OR ADJACENT PROPERTIES VIA RUNOFF, VEHICLE TRACKING, OR WIND.
 - APPROPRIATE BMP'S FOR CONSTRUCTION-RELATED MATERIALS, WASTES, SPILLS OR RESIDUES SHALL BE IMPLEMENTED AND RETAINED ON SITE TO MINIMIZE TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES, OR ADJOINING PROPERTY BY WIND OR RUNOFF.

ADDITION NOTES:

- PLAN CHECK/ PERMIT APPLICATION FOR WHICH NO PERMIT IS ISSUED WITHIN 180 DAYS FOLLOWING THE DATE OF APPLICATION SHALL EXPIRE BY LIMITATION.
- ALL CONSTRUCTION SHALL COMPLY WITH THE 2023 EDITION OF THE CALIFORNIA BUILDING, FIRE, MECHANICAL, PLUMBING, SECURITY CODES AND ELECTRICAL CODE.
- ELECTRICAL WIRING SHALL BE COPPER, NO ALUMINUM WIRING ALLOWED UNLESS CONTINUOUS SPECIAL INSPECTION IS PROVIDED. CONSULT CITY ORDINANCE ARTICLE 110 AND SECTION 110-115.
- RECESSED LIGHTS AT INSULATED CEILINGS SHALL BE UL LISTED FOR DIRECT CONTACT WITH INSULATION. (ITC FIXTURES)
- THERE SHALL BE NO TRENCHES AND EXCAVATION MORE THAN 5' OR MORE IN DEPTH INTO WHICH A PERSON IS REQUIRED TO DESCEND, OR OBTAIN PERMIT FROM STATE OF CALIFORNIA, DIVISION OF OCCUPATIONAL SAFETY AND HEALTH (CAL/OSHA).
- THIS PERMIT AND ANY OTHER SAFETY PERMIT SHALL BE OBTAINED PRIOR TO COMMENCEMENT OF ANY WORK.
- CONTACT CAL/OSHA AT 800.963.9424 FOR ADDITIONAL INFORMATION.

GENERAL NOTES:

- ALL WORK SHALL CONFORM TO THE 2023 CALIFORNIA BUILDING CODE.
- THIS DRAWING IS OF A STRUCTURAL DESIGN AND IT IS APPLICABLE FOR RESIDENTIAL USE UNLESS OTHERWISE INDICATED. ACTUAL DIMENSIONS SHALL COMPLY WITH THE MINIMUM STANDARDS OF THE APPLICABLE SECTION OF THE 2023 CALIFORNIA BUILDING CODES, LOCAL, AND STATE CODES. ALL PORTIONS OF THIS PROJECT SHALL COMPLY TO HEALTH DEPARTMENT REGULATIONS AND FOLLOW ALL IF ANY MANUFACTURERS RECOMMENDATIONS.
- THE PROFESSIONAL CIVIL ENGINEER HAS APPROVED THE DRAWING BY PROVIDING A WET STAMP AND HAS SIGNED IN RED INK. ENGINEERING HAS BEEN APPROVED BASED ON PLANS AND INFORMATION PROVIDED BY CONTRACTOR, HOMEOWNER, OR AGENT FOR SAID PROPERTY. THE ENGINEER OR REPRESENTATIVES OF UNIVERSAL ENGINEERING, INC HAVE NOT INSPECTED THE SITE UNLESS NOTED.
- OMIT
- IT IS THE OWNERS RESPONSIBILITY TO ASSURE CODE COMPLIANCE. UNIVERSAL ENGINEERING, INC CAN PROVIDE CONSTRUCTION INSPECTION TO ASSURE COMPLIANCE WITH THE CODES AND ORDINANCES.
- THIS STANDARD PLAN IS DESIGNED SOLELY FOR STRUCTURAL DISCIPLINE OF ENGINEERING AND IT IS NOT INTENDED TO COVER OR SUPPLEMENT FOR DESIGN OF NON-STRUCTURAL ITEMS SUCH AS ELECTRICAL, PLUMBING, AND MECHANICAL.
- LOCAL CITY AND COUNTY'S WILL REQUIRE NOTES THAT MUST BE ATTACHED OR DRAWN ONTO PLANS, THESE ITEMS MAY INCLUDE: EROSION CONTROL, SET BACKS, DRAINAGE AND NPDES, ETC. REQUIREMENTS SHOULD BE SHOWN ON SITE PLAN AS NEEDED.
- COPYRIGHT PROTECTED. ALL SHEETS, DETAILS, DRAWINGS, CALCULATIONS SHALL NOT BE COPIED OR REPRODUCED WITHOUT THE WRITTEN CONSENT OF UNIVERSAL ENGINEERING, INC
- PROJECT SHALL COMPLY WITH THE LATEST VERSION OF THE CALIFORNIA CODES AND STANDARDS WITH THE COUNTY OF ORANGE'S AMENDMENTS.

GENERAL DATA

PROPERTY OWNER: TOM CHOU
 PROJECT ADDRESS: 11651 MARBLE ARCH DRIVE, SANTA ANA, CA 92705

PARCEL NO: 502-231-07
 LEGAL DESCRIPTION: N-TRACT: 3596
 BLOCK: LOT:41

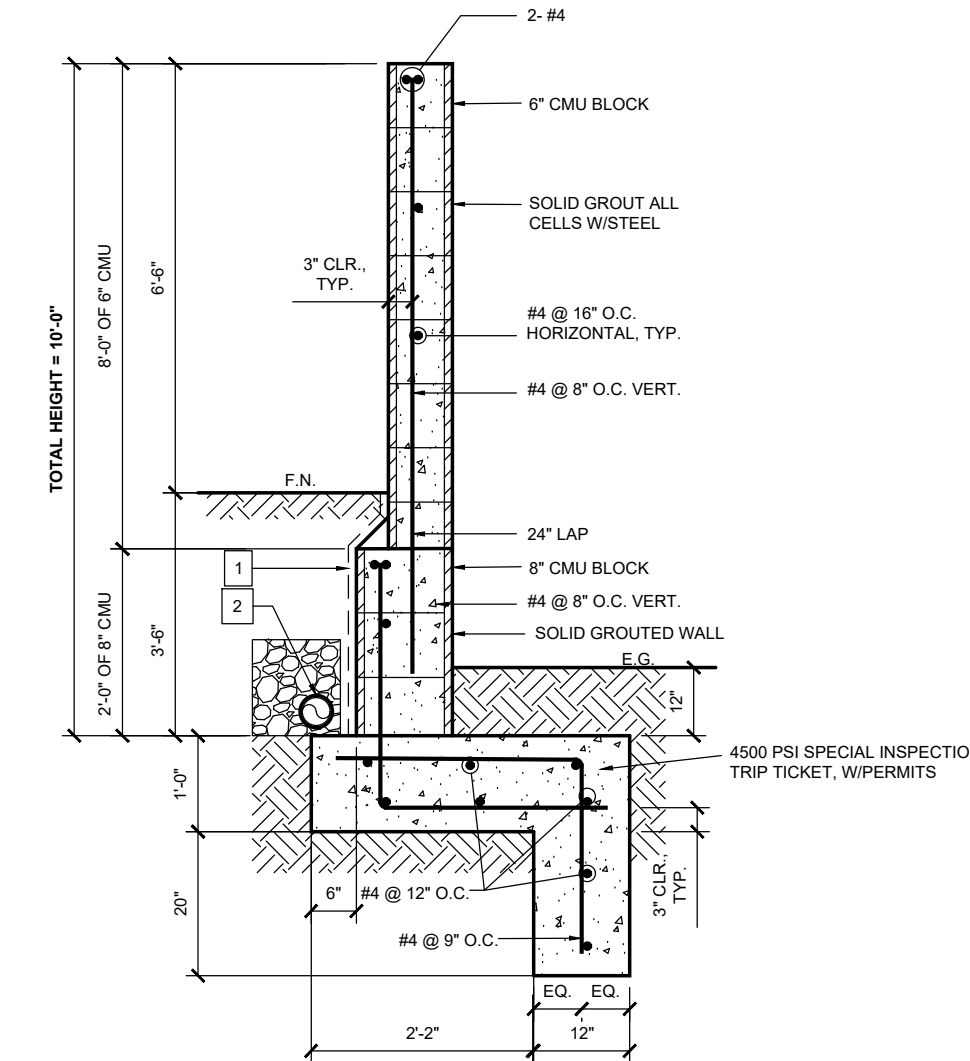
ENGINEER

UNIVERSAL ENGINEERING, INC.
 3400 IRVINE AVE, SUITE 105
 NEWPORT BEACH, CA 92660
 PHONE: 949-490-4240

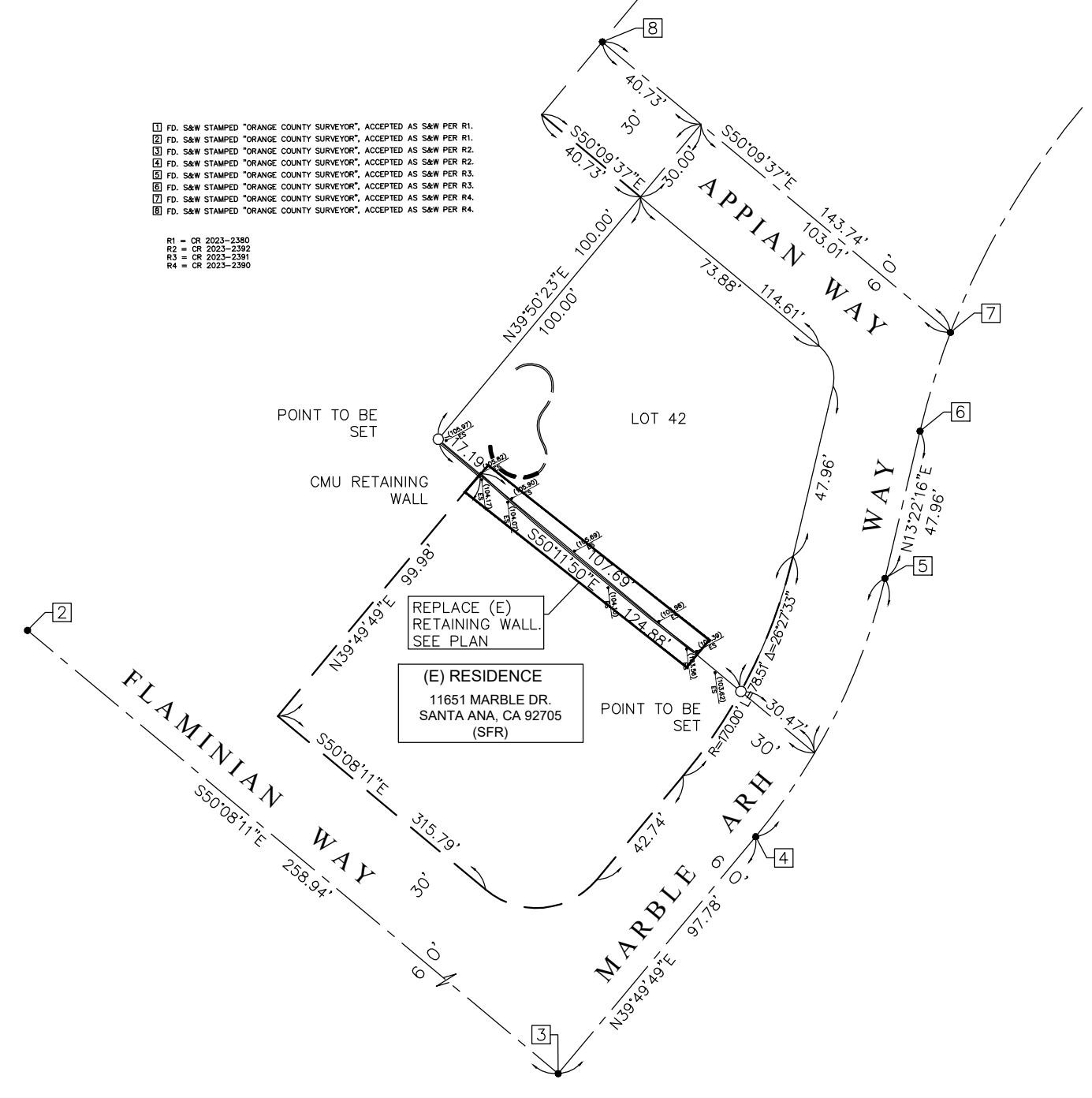
SCOPE OF WORK

- REMOVE (E) R.WALL 89.10' L.F.
- (N) RETAINING WALL 89.10' L.F.

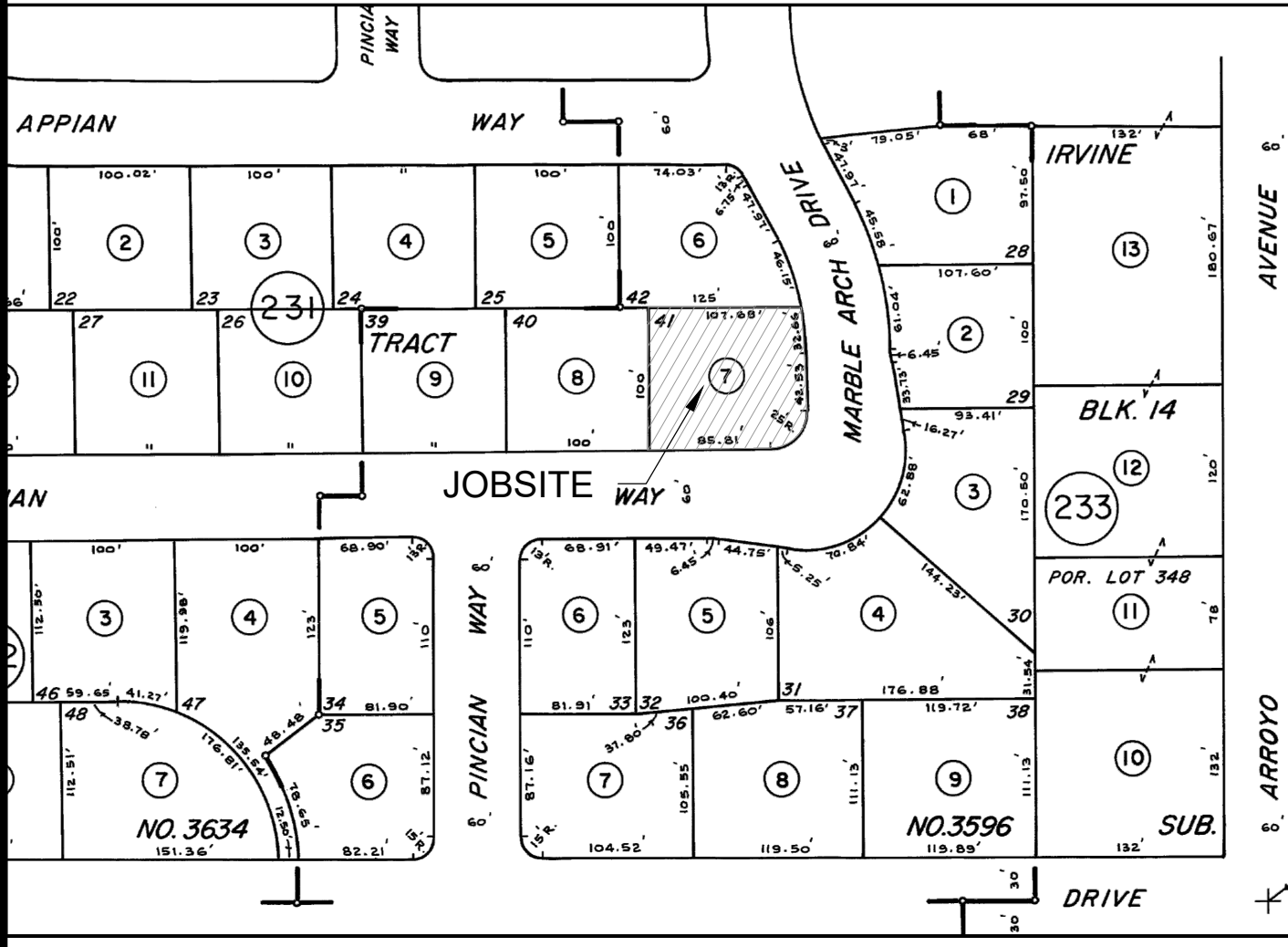
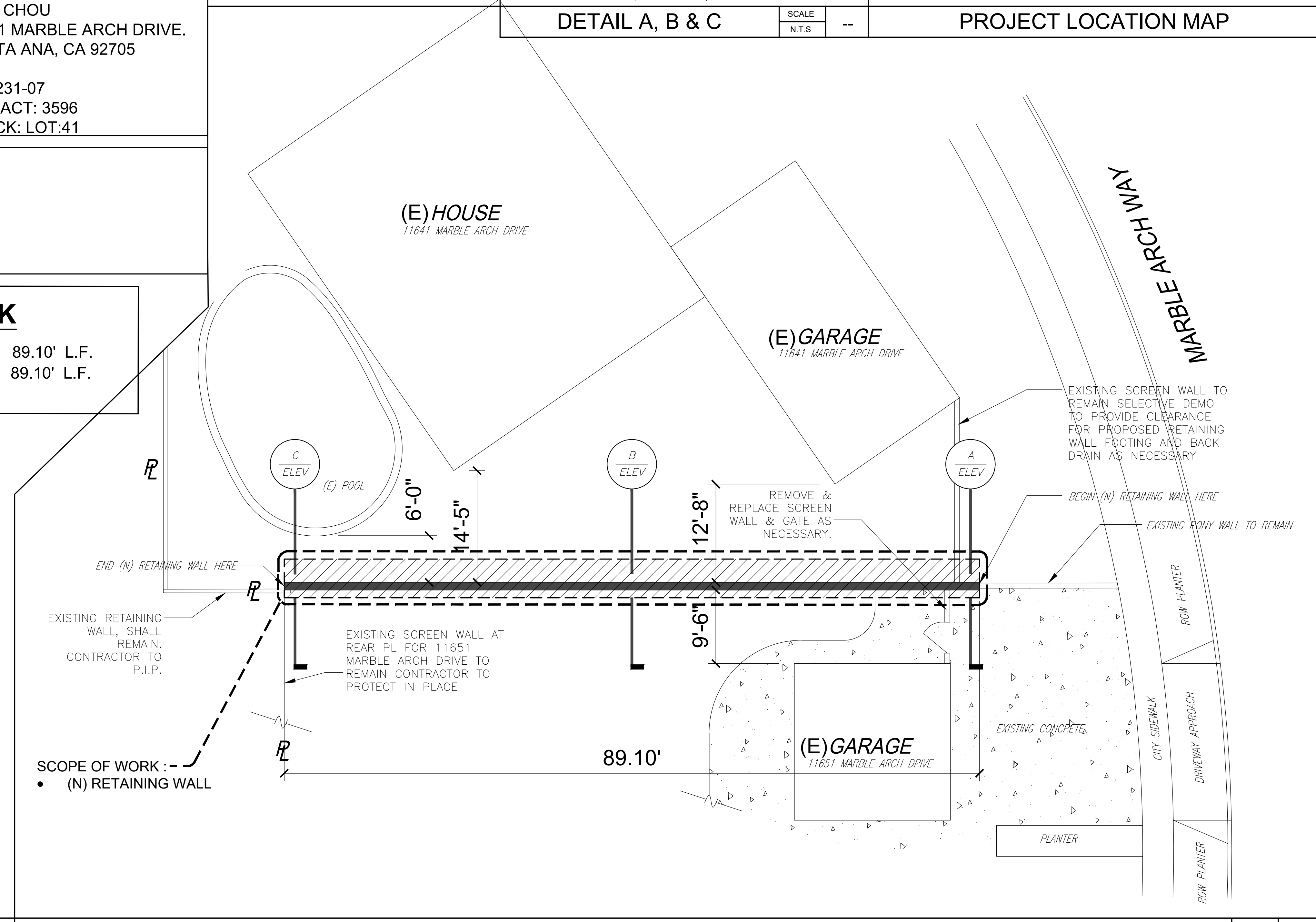
- APPROVED WATERPROOFING RECOMMENDED PROTECTO WRAP (ESR 1127)
- 4"Ø PERFORATED PIPE, PVC, SCH. 40 OR EQUIV. PLACED W/ PERFORATION DOWN, SURROUNDED W/ 1 CU.FT. / LINEAR FT. OF 3/4" CRUSHED ROCK WRAPPED ENTIRELY IN FILTER FABRIC "MIRAFI" OR OR EQUIV. OVERLAPPED 12" MIN.



SCALE: N.T.S.



SCALE: N.T.S.



VICINITY MAP

CONTRACTOR'S NAME:
STRUCTURAL RETAINING WALL PLAN

OWNER'S:
RESIDENCE
 11651 MARBLE ARCH DRIVE,
 SANTA ANA, CA 92705

UNIVERSAL ENGINEERING, INC.
 3400 IRVINE AVE, STE. 105
 NEWPORT BEACH, CA 92660

REGISTERED PROFESSIONAL ENGINEER
 TAO ZHANG
 74572
 Exp. 12/31/27
 CIVIL
 STATE OF CALIFORNIA

DATE	REV.	REASON	BY
01/21/26	1	PREL SUBMITTAL	PC#1
JOB TITLE: (N) RETAINING WALL			
DWG OF: TITLE SHEET / SITE PLAN / DETAIL			
JOB No: 250728-02			
SHEET: A-1			

SCALE: 1/8" = 1'-0" A