GENERAL NOTES:

- WORK SHOWN HEREON SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION," LATEST EDITION AND SUPPLEMENTS, THE CALIFORNIA BUILDING CODE (EXCAVATION AND GRADING), AND CITY OF EL SEGUNDO LOCAL ORDINANCES ÀS APPLICABLE.
- ALL GRADING WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS AND RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL REPORT, "PRELIMINARY GEOTECHNICAL INVESTIGATION REPORT PROPOSED GYMNASIUM TRAINING CENTER AND OFFICE COMPLEX", BY ALBUS-KEEFE & ASSOCIATES DATED JUNE 9, 2014.
- 3. EXISTING TOPOGRAPHY SHOWN HEREON WAS TAKEN FROM SURVEYS DATED APRIL 9, 2014 AND NOVEMBER 11, 2015 BY PSOMAS.
- 4. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY, AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS.
- 5. PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL JOIN CONDITIONS FOR GRADING, DRAINAGE AND UNDERGROUND FACILITIES INCLUDING LOCATION AND ELEVATION OF EXISTING UNDERGROUND FACILITIES AT CROSSINGS WITH PROPOSED UNDERGROUND FACILITIES. IF CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND SHALL NOT BEGIN CONSTRUCTION UNTIL THE CHANGED CONDITIONS HAVE BEEN EVALUATED.
- 2 6. ALL DRAWINGS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ARCHITECT.
- THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.
- 8. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.
- 9. THE EXISTENCE, LOCATION AND CHARACTERISTICS OF UNDERGROUND UTILITY INFORMATION SHOWN ON THESE PLANS HAVE BEEN OBTAINED FROM A REVIEW OF AVAILABLE RECORD DATA. NO REPRESENTATION IS MADE AS TO THE ACCURACY OR COMPLETENESS OF SAID UTILITY INFORMATION. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE
- IF AT ANY TIME DURING GRADING OPERATIONS, ANY UNFAVORABLE GEOLOGICAL CONDITIONS ARE ENCOUNTERED, GRADING IN THAT AREA WILL STOP UNTIL APPROVED CORRECTIVE MEASURES ARE OBTAINED.
- 11. THE PROPOSED GRADE IS THE FINAL GRADE AND NOT THE ROUGH GRADE. THE CONTRACTOR SHALL SUBTRACT THE THICKNESS OF THE PAVED SECTION AND/OR LANDSCAPE TOPSOIL SECTION TO ARRIVE AT THE ROUGH GRADE
- 12. STRAIGHT GRADE SHALL BE MAINTAINED BETWEEN CONTOUR LINES AND SPOT ELEVATIONS UNLESS OTHERWISE SHOWN ON THE PLANS.

ELEVATION.

- 13. ALL DEBRIS AND FOREIGN MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT APPROVED DISPOSAL SITES. THE CONTRACTOR SHALL OBTAIN NECESSARY PERMITS FOR THE TRANSPORTATION OF MATERIAL TO AND FROM THE SITE.
- 4 14. ALL FILL SOILS OR SOILS DISTURBED OR OVEREXCAVATED DURING CONSTRUCTION SHALL BE COMPACTED PER THE REQUIREMENTS OF THE SOILS REPORT BUT NOT LESS THAN 90% MAXIMUM DENSITY AS DETERMINED BY A.S.T.M. SOIL COMPACTION TEST D-1557.
- 15. 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.
- 16. DIMENSIONS TO PIPELINES ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
- 17. ALL WATER LINES SHALL BE INSTALLED WITH 36" MINIMUM COVER FROM TOP OF PIPE TO FINISHED GRADE, UNLESS OTHERWISE NOTED.
- 18. THRUST BLOCKS SHALL BE INSTALLED AT WATERLINE HORIZONTAL AND VERTICAL BENDS, TEES, CAPPED ENDS AND REDUCERS ACCORDING TO THE
- DETAILS PROVIDED ON THESE PLANS. 19. CONSTRUCTION STAKING FOR IMPROVEMENTS SHOWN ON THESE PLANS SHALL
- BE PERFORMED BY A LICENSED LAND SURVEYOR. 5 20. THE CONTRACTOR SHALL REPLACE ALL EXISTING IMPROVEMENTS DAMAGED

DURING CONSTRUCTION TO MATCH EXISTING, INCLUDING PERMANENT TRENCH

- RESURFACING. 21. CONTRACTOR TO CONTACT UNDERGROUND SERVICE ALERT (800-227-2600)
- PRIOR TO EXCAVATION.
- 22. ALL DIMENSIONS ARE IN FEET OR DECIMALS THEREOF. 23. ALL CURB DIMENSIONS AND RADII ARE TO PAVEMENT FACE OF CURB.
- 24. CONTRACTOR TO BE AWARE OF ALL OVERHEAD LINES AT ALL TIMES, SO AS NOT TO DISTURB THEM.
- 25. WATER SHALL BE PROVIDED ONSITE AND USED TO CONTROL DUST DURING CONSTRUCTION OPERATIONS.
- 26. CONTRACTOR SHALL OBTAIN ANY NECESSARY PERMITS FROM THE CITY OF EL SEGUNDO FOR ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
- 27. STORM DRAINAGE SYSTEMS SHOWN ON THESE PLANS HAVE BEEN DESIGNED FOR THE FINAL SITE CONDITION AT COMPLETION OF THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE OF THE SITE, DURING INTERIM CONDITIONS OF CONSTRUCTION.
- 28. CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS, INCLUDING NPDES, FROM THE APPROPRIATE JURISDICTIONAL AGENCIES FOR DISCHARGE OF GROUNDWATER THAT MAY BE NECESSARY TO ACCOMPLISH EXCAVATIONS SHOWN ON THESE PLANS.
- 29. WORK SHOWN HEREON IS INTENDED TO BE IN ACCORDANCE WITH "CAMPUS EL SEGUNDO MASTER PLAN AND DESIGN GUIDELINES" DATED SEPTEMBER 2008. CONTRACTOR SHALL NOTIFY ENGINEER IF INCONSISTENCIES BETWEEN THESE DOCUMENTS ARE FOUND.

GENERAL

LEGEND:

CIVIL LIMITS OF WORK SHEET MATCH LINE

<u>ANNOTATION</u>

100.00 XX SURFACE ELEVATION/UTILITY ELEVATION (100.00 XX) EXISTING SURFACE ELEVATION/UTILITY ELEVATION

/XX CONSTRUCTION NOTE FLOW (DIRECTION AND GRADE) 2.0%

SLOPE (DIRECTION AND RUN:RISE) HORIZONTAL CONTROL POINT LABEL

_CX CURVE DATA LABEL PAD/FINISHED FLOOR ELEVATION FF=100.00

CURB/BACK OF CURB/GUTTER RETAINING WALL/SITE WALL PROPERTY LINE/RIGHT OF WAY CENTER LINE

FENCE TO BE DEMOLISHED

EROSION CONTROL · 000000

SANDBAGS

FIBER ROLL

EXISTING DRAINAGE DIRECTION OF FLOW

PROPOSED MAJOR CONTOUR PROPOSED MINOR CONTOUR FLOW LINE $\rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow$ GRADE BREAK LINE RIDGE LINE _____R___

<u>UTILITY</u>

SANITARY SEWER ——____________ WATER

DOMESTIC WATER FIRE WATER STORM DRAIN

ELECTRIC TELEPHONE

---- PERFORATED PIPE

COORDINATION POINT CAP OR PLUG UTILITY MANHOLE

UTILITY CLEANOUT

STORM DRAIN INLET AREA DRAIN/PLANTER DRAIN

TRENCH DRAIN

FIRE HYDRANT

THRUST BLOCK

FIRE DEPARTMENT CONNECTION (FDC) POST INDICATOR VALVE (PIV) WATER VALVE

POINT OF CONNECTION

BACKFLOW ASSEMBLY UTILITY METER VAULT

ABBREVIATIONS:

ASPHALTIC CONCRETE MINIMUM BCR BEGIN CURVE RETURN MANHOLE BACKFLOW PREVENTER (N) NORTH BACK OF WALK NTS NOT TO SCALE BUILDING PA PLANTER AREA BENCH MARK POINT OF CONNECTION BOTTOM OF STAIRS PIV POST INDICATOR VALVE BEST MANAGEMENT PRACTICES POINT OF COMPOUND CURVE CATCH BASIN PRC POINT OF REVERSE CURVE CAST IRON PRV PRESSURE REDUCING VALVE CENTER LINE PVC POLYVINYL CHLORIDE CMU CONCRETE MASONRY UNIT RADIUS CLEANOUT RCIP RECTANGULAR CAST IRON PIPE PORTLAND CEMENT CONCRETE ROOF DRAIN CURB FACE RW RIGHT-OF-WAY DOMESTIC WATER SOUTH SLOPE EQUALS ECR END CURVE RETURN SD STORM DRAIN EDGE OF GUTTER SSMH SANITARY SEWER MANHOLE ELEVATION SANITARY SEWER ELEC ELECTRIC, ELECTRICAL STD STANDARD EX. OR EXIST. EXISTING SDMH STORM DRAIN MANHOLE FIRE DEPARTMENT CONNECTION TOP OF CURB FINISHED FLOOR **TELEPHONE** FINISHED GRADE (LANDSCAPE) TOP OF GRATE TOS TOP OF STAIRS FINISHED SURFACE (HARDSCAPE) TOP OF WALL FIRE HYDRANT TRAFFIC SIGNAL FLOW LINE TSB TRAFFIC SIGNAL BOX FOOT OR FEET TYPICAL FIXTURE UNITS TELEVISION FIRE WATER VERIFY IN FIELD GALLONS PER MINUTE VAULT GATE VALVE VCP VITRIFIED CLAY PIPE HDPE HIGH DENSITY POLYETHYLENE (W) HIGH POINT INVERT WATER WATER METER LOW POINT MAXIMUM WATER VALVE

PATTERN LEGEND:

(REFER TO SHEET C-500 FOR DETAILS)



(REFER TO SHEET C-500 FOR DETAILS) PLANTER AREA/LANDSCAPE



(REFER TO ARCHITECTURAL PLANS FOR DETAILS)

ESTIMATED EARTHWORK QUANTITIES CUT: 20,010 CUBIC YARDS

900 CUBIC YARDS

NET (CUT): **19,110** CUBIC YARDS REMOVAL AND RECOMPACTION: **24.100** CUBIC YARDS REMAINING EARTH TO BE REUSED ON SITE: 4.990 CUBIC YARDS

FILL:

SIGNATURE

- THE ESTIMATED QUANTITIES PROVIDED ABOVE ARE TO BE USED FOR JURISDICTIONAL PLAN CHECKING AND PERMITTING PURPOSES ONLY. . ESTIMATED EARTHWORK ABOVE IS BASED ON DESIGN FINISH GRADES TO EXISTING GRADES
- FOOTINGS, CLEARING AND GRUBBING, AND CONSTRUCTION MEANS AND METHODS. THE ESTIMATED EARTHWORK QUANTITIES DO NOT INCLUDE SHRINKAGE AND/OR EXPANSION

FACTORS DUE TO COMPACTION OR OVER EXCAVATION QUANTITIES.

THE CONTRACTOR SHALL CALCULATE HIS OWN EARTHWORK QUANTITIES NECESSARY FOR HIS BID AND WORK.

AND/OR CONTOURS AS PROVIDED ON THE BASE SURVEY. THE ESTIMATED EARTHWORK DOES

NOT ACCOUNT FOR THE THICKNESS OF PAVEMENTS, FOUNDATIONS AND SLABS ON GRADE,

- . ESTIMATED EARTHWORK QUANTITIES ABOVE ASSUME THAT ALL ONSITE MATERIALS ARE SUITABLE FOR BACKFILLING. HOWEVER, ACTUAL EXISTING ONSITE MATERIALS AND IMPORTED MATERIALS MUST FIRST BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO INSTALLATION, REMOVAL, OR REPLACEMENT.
- * REMOVAL AND RECOMPACTION QUANTITY INCLUDES SITE GRADING CUT QUANTITY SHOWN

THIS PLAN HAS BEEN REVIEWED AND CONFORMS TO RECOMMENDATIONS OF SOILS ENGINEERING/GEOLOGICAL REPORT BY ALBUS-KEEFE & ASSOCIATED DATED JUNE 9, 2014.

DATE

PROJECT DIRECTORY:

ARCHITECT: 160 WEST FORT, SUITE 400 DETROIT, MICHIGAN 48226 TEL: 313.463.5151

FAX: 313.463.5160

CONTACT: JON WAKEMAN

<u>CIVIL ENGINEER:</u> KPFF CONSULTING ENGINEERS 6080 CENTER DRIVE, SUITE 700 LOS ANGELES, CA 90045 TEL: 310.665.2800 FAX: 310.665.9075 CONTACT: REZA REZAIAN

555 S. FLOWER STREET SUITE 4300

LOS ANGELES, CA 90071

CONTACT: DOUG HOWARD

TEL: 213.223.1400

FAX: 213.223.1444

MECHANICAL/PLUMBING/ELECTRICAL <u>ENGINEER:</u>

LANDSCAPE ARCHITECT: AHBE LANDSCAPE ARCHITECTS 617 WEST 7TH STREET SUITE 304 LOS ANGELES, CA 90017 TEL: 213.694.3800 CONTACT: BRIAN MITCHELL

STRUCTURAL ENGINEER: JOHN LABIB & ASSOCIATES 319 MAIN STREET EL SEGUNDO, CA 90245 TEL: 213.239.9600 FAX: 213.239.9699

PUBLIC-RIGHT-WAY.

SMITH SECKMAN REID, INC. 2995 SIDCO DRIVE NASHVILLE, TN 37204 TEL: 615.460.0533 CONTACT: MIKE ROGERS

GEOTECHNICAL ENGINEER: ALBUS-KEEFE & ASSOCIATED 706 W. BROADWAY SUITE 201 GLENDALE, CA 91204 TEL: 818.543.4560 CONTACT: JOHN LABIB FAX: 818.543.4565 CONTACT: PAT KEEFE

CITY OF EL SEGUNDO PUBLIC WORKS CONSTRUCTION NOTES:

- 1. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED CITY ENCROACHMENT PERMITS FROM THE PUBLIC WORKS DEPARTMENT BEFORE COMMENCING ANY WORK IN THE PUBLIC RIGHT-OF-WAY, INCLUDING LANE CLOSURE. CONTACT NICK PETREVSKI FOR PERMIT REQUIREMENTS AND ASSOCIATED FEES AT (310)524-2360.
- 2. THE APPLICANT SHALL REPAIR ANY DAMAGE TO PUBLIC STREETS AND/OR SIDEWALKS DUE TO CONSTRUCTION OR BY CONSTRUCTION VEHICLES TRAVELING TO OR FROM THE PROJECT SITE, BEFORE THE PERMIT CAN BE FINALIZED.
- 3. ALL CONSTRUCTION RELATED PARKING SHALL BE ACCOMMODATED ON-SITE. NO
- 4. CONTACT JAMES TURNER AT (310)524-2742 OF WATER DIVISION REGARDING ANY PROPOSED WATER SYSTEM UPGRADES (WATER METERS, WATER LATERALS, ETC.)

CONSTRUCTION RELATED PARKING SHALL BE PERMITTED OFF-SITE.

- 5. NO DIRECT DRAINAGE CONNECTION SHALL BE MADE TO THE CITY'S CATCH BASINS OR STORM DRAIN SYSTEM.
- 6. NO PARKWAY TREES ARE TO BE REMOVED WITHOUT RECREATION AND PARKS DEPARTMENT APPROVAL. CONTACT STREET TREE SUPERINTENDENT MARK TRUJILLO AT (310)524-2716
- 7. PG-64-10 TACK COAT AND HOT MIX ASPHALT SHALL BE USED FOR ALL SLOT PAVING REQUIRED NEXT TO NEW CONCRETE. SLOT PAVING SHALL BE 3 FEET WIDE AND 1 FOOT DEEP, CONSISTING OF 6 INCHES OF ASPHALT OVER 6 INCHES OF BASE.
- 8. NONSTANDARD BOULDERS OR HARDSCAPE ARE NOT ALLOWED ON THE
- 9. THE DEVELOPER OR CONTRACTOR SHALL INFORM ALL NEIGHBORING PROPERTIES IN WRITING OF ANY STREET LANE CLOSURES OR OTHER SIGNIFICANT TRAFFIC IMPACTS ON THE ADJACENT STREETS AT LEAST ONE WEEK BEFORE THEY OCCUR.

11. ALL STRUCTURAL BMPS SHALL BE ACCESSIBLE FOR INSPECTION AND MAINTENANCE.

10. ALL RIGHT OF WAY CONSTRUCTION SHALL CONFORM TO CITY STANDARDS.

SHEET INDEX: CIVIL DRAWINGS C-001 TITLE SHEET C-002 SURVEY (FOR REFERENCE ONLY) C-110 DEMOLITION PLAN C-120 EROSION CONTROL PLAN C-130 ROUGH GRADING PLAN C-131 ROUGH GRADING SECTIONS C-141 GRADING PLAN-NORTH C-142 GRADING PLAN-SOUTH C-151 UTILITY PLAN-NORTH C-152 UTILITY PLAN-SOUTH C-153 STORM DRAIN PROFILES C-160 PAVING PLAN

C-170 FIRE ACCESS PLAN

C-500 DETAIL SHEET

C-501 DETAIL SHEET

C-502 DETAIL SHEET

PROJECT SITE E. MAPLE AVE **VICINITY MAP** SCALE: 1"=1000' THOMAS GUIDE LOS ANGELES EDITION PAGE: 732 GRID: H1 & J1

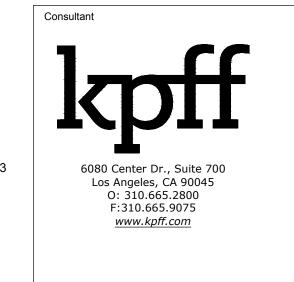
ALL WORK IN PUBLIC RIGHT OF WAY MUST BE APPROVED BY PUBLIC WORKS AND REQUIRES AN ENCROACHMENT PERMIT.

160 WEST FORT, SUITE 400, DETROIT, MICHIGAN 48226 Telephone. 313.463.5151 ROSSETTI.COM Fax. 313.463.5160

PERKINS+WILL

Los Angeles Lakers Headquarters

2275 Maripossa El Segundo, California 90245



Professional Seal

No. Description



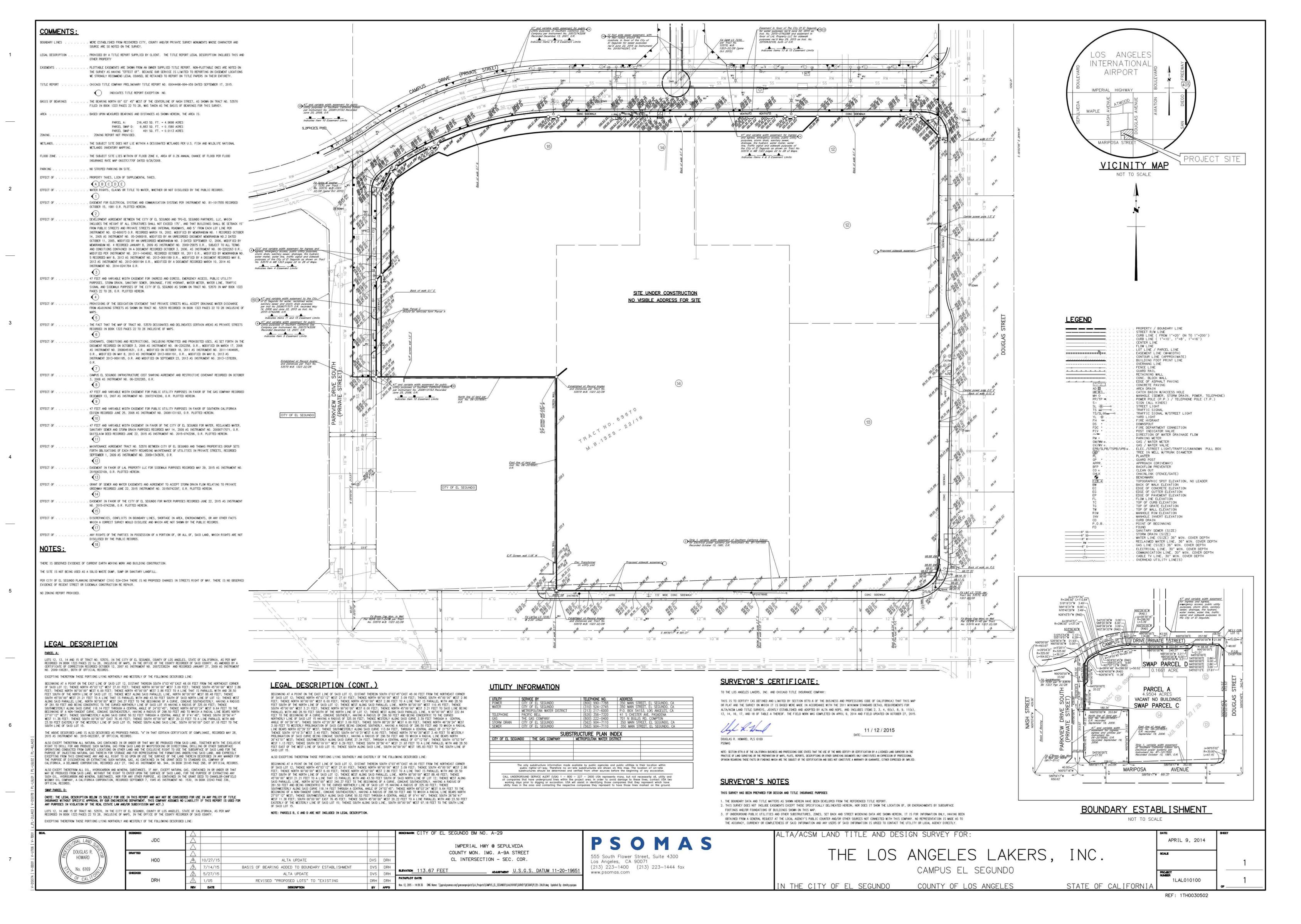
75% DD Pricing Package 12/12/14 DD Package 01/19/15 07/15/15 Grading Permit 50% CD'S for Pricing 08/07/15 Foundation and Utilities Permit 08/12/15 Plan Check 09/18/15 10/09/15 Back-Check #1-Fnd & Utility ASI 003 10/16/15 11/20/15 Back-Check #1 Back-Check #2-ASI 008 01/08/16 01/22/16 Issued for Construction-ASI 010

TITLE SHEET

Project Number 114075

C-001

Sheet Number



FOR REFERENCE ONLY

ROSSETTI

PERKINS+WILL

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> Los Angeles Lakers Headquarters

2275 Maripossa El Segundo, California 90245



Professional Seal

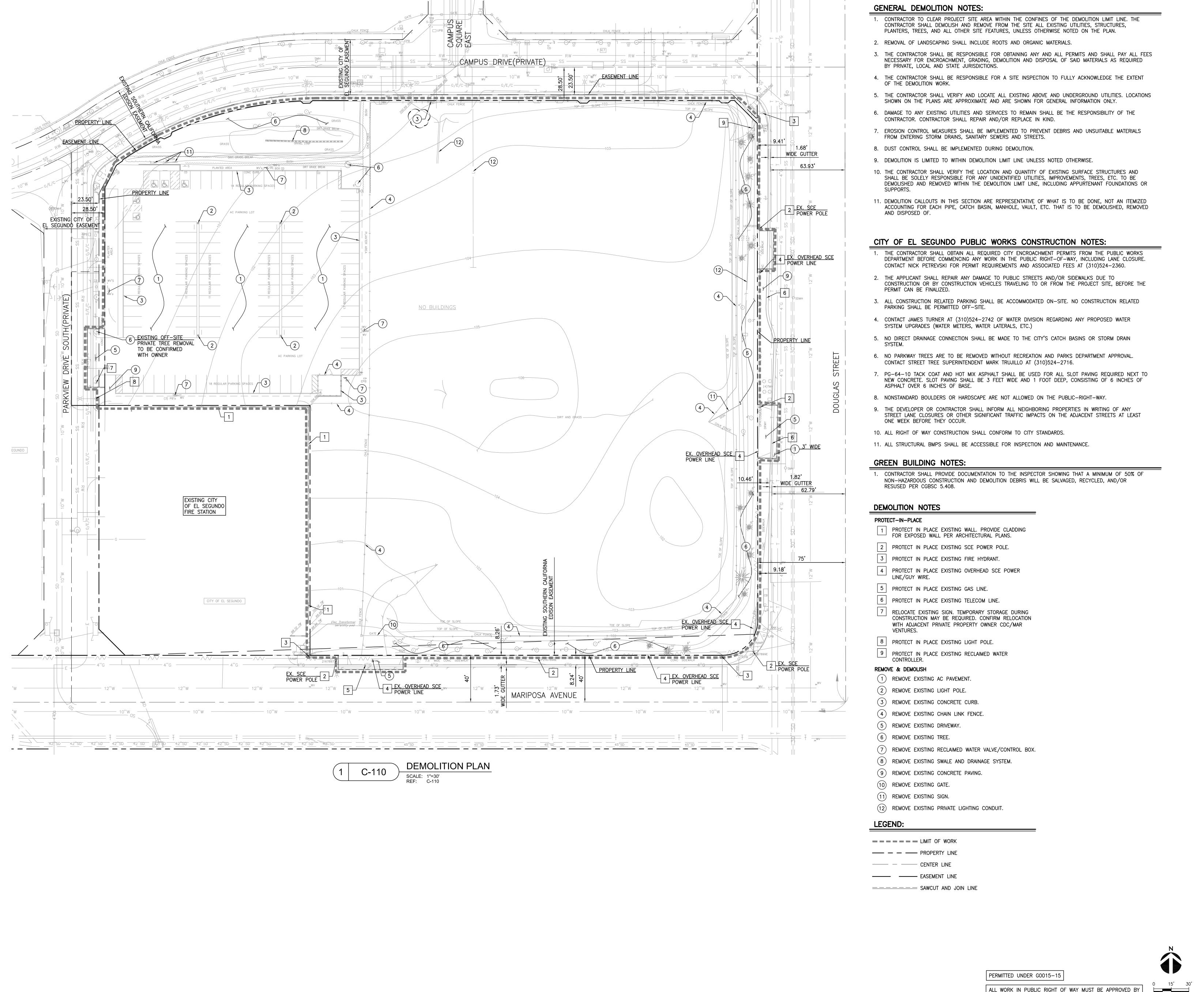
75% DD Pricing Package 12/12/14 DD Package 01/19/15 07/15/15 50% CD'S for Pricing 08/07/15 08/12/15 Foundation and Utilities Permit 09/18/15 Plan Check Back-Check #1-Fnd & Utility 10/09/15 10/16/15 11/20/15 Back-Check #1 Back-Check #2-ASI 008 01/08/16 01/22/16 Issued for Construction-ASI 010

SURVEY
(FOR REFERENCE ONLY)

Project Number CAD File
114075 -

C-002

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B C D E

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PERKINS+WILL

Project

Los Angeles Lakers Headquarters

2275 Maripossa El Segundo, California 90245



Professional Seal



No.	Description	Date
1	75% DD Pricing Package	12/12/14
2	DD Package	01/19/15
3	Grading Permit	07/15/15
4	50% CD'S for Pricing	08/07/15
5	Foundation and Utilities Permit	08/12/15
6	Plan Check	09/18/15
7	Back-Check #1-Fnd & Utility	10/09/15
8	ASI 003	10/16/15
9	Back-Check #1	11/20/15
10	Back-Check #2-ASI 008	01/08/16
11	Issued for Construction-ASI 010	01/22/16

Key Plan

DEMOLITION PLAN

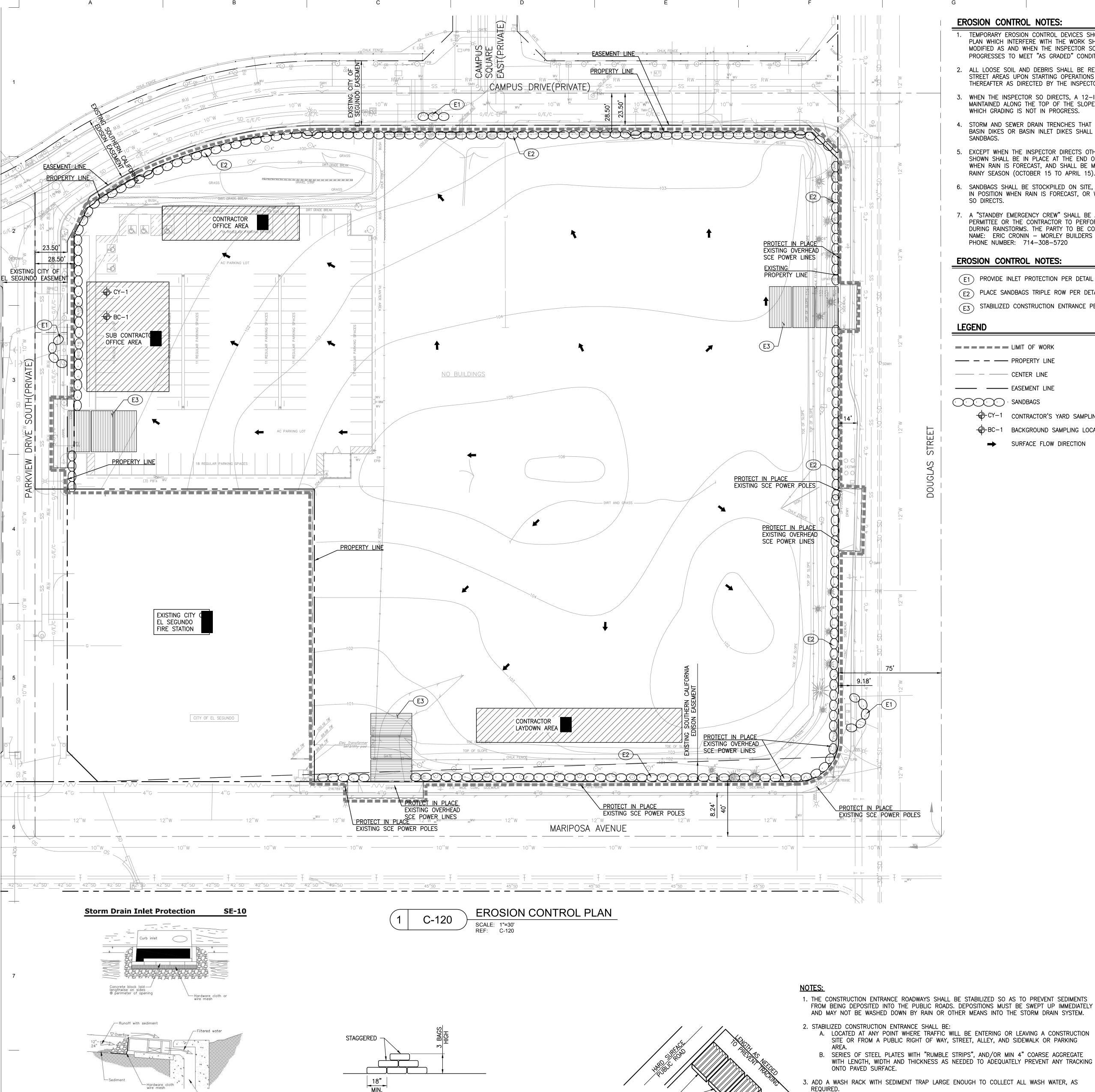
Project Number
114075
Sheet Number

40/5 -

C-110

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PUBLIC WORKS AND REQUIRES AN ENCROACHMENT PERMIT.



NOTES:

2 SANDBAG BARRIER

HEREON N.T.S.

DELETERIOUS MATERIAL.

1. SANDBAG SHALL BE FILLED WITH NON-COHESIVE, CLASS 1 OR

CLASS 2, PERMEABLE MATERIAL FREE FROM CLAY AND

DI PROTECTION - TYPE 4
NOT TO SCALE

1 CURB INLET PROTECTION

SERIES OF STEEL PLATES

RUMBLE STRIPS ÓR MIN

4" COARSE AGGREGATE

(3 OR MORE) WITH

3 STABILIZED CONSTRUCTION ENTRANCE

EROSION CONTROL NOTES:

TEMPORARY EROSION CONTROL DEVICES SHOWN ON THE GRADING PLAN WHICH INTERFERE WITH THE WORK SHALL BE RELOCATED OR MODIFIED AS AND WHEN THE INSPECTOR SO DIRECTS AS THE WORK PROGRESSES TO MEET "AS GRADED" CONDITIONS.

ALL LOOSE SOIL AND DEBRIS SHALL BE REMOVED FROM THE STREET AREAS UPON STARTING OPERATIONS AND PERIODICALLY THEREAFTER AS DIRECTED BY THE INSPECTOR

WHEN THE INSPECTOR SO DIRECTS, A 12-INCH BERM SHALL BE MAINTAINED ALONG THE TOP OF THE SLOPE OF THOSE FILLS ON WHICH GRADING IS NOT IN PROGRESS.

STORM AND SEWER DRAIN TRENCHES THAT ARE CUT THROUGH BASIN DIKES OR BASIN INLET DIKES SHALL BE PLUGGED WITH

EXCEPT WHEN THE INSPECTOR DIRECTS OTHERWISE, ALL DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN RAIN IS FORECAST, AND SHALL BE MAINTAINED DURING THE RAINY SEASON (OCTOBER 15 TO APRIL 15).

SANDBAGS SHALL BE STOCKPILED ON SITE, READY TO BE PLACED IN POSITION WHEN RAIN IS FORECAST, OR WHEN THE INSPECTOR

7. A "STANDBY EMERGENCY CREW" SHALL BE ALERTED BY THE PERMITTEE OR THE CONTRACTOR TO PERFORM EMERGENCY WORK DURING RAINSTORMS. THE PARTY TO BE CONTACTED IS: NAME: ERIC CRONIN - MORLEY BUILDERS PHONE NUMBER: 714-308-5720

EROSION CONTROL NOTES:

(E1) PROVIDE INLET PROTECTION PER DETAIL 1, HEREON.

(E2) PLACE SANDBAGS TRIPLE ROW PER DETAIL 2, HEREON.

E3 STABILIZED CONSTRUCTION ENTRANCE PER DETAIL 3, HEREON.

——————— LIMIT OF WORK

——— CENTER LINE

4. ALL VEHICLES ACCESSING THE CONSTRUCTION SITE SHALL UTILIZE THE STABILIZED CONSTRUCTION

2. SWEEP PAVED AREAS THAT RECEIVE CONSTRUCTION TRAFFIC WHENEVER SEDIMENT BECOMES

3. PAVEMENT WASHING WITH WATER IS PROHIBITED IF IT RESULTS IN A DISCHARGE TO THE STORM

1. REMOVE ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS IMMEDIATELY.

ENTRANCE SITES.

STREET MAINTENANCE

CY-1 CONTRACTOR'S YARD SAMPLING LOCATION

⊕BC-1 BACKGROUND SAMPLING LOCATION SURFACE FLOW DIRECTION

DUST CONTROL NOTES:

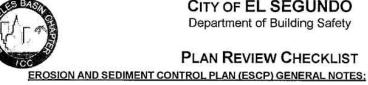
- 1. DUST SHALL BE CONTROLLED BY WATERING AND/OR APPLYING A DUST PALLIATIVE. THE DUST PALLIATIVE SHALL BE APPLIED IN THE
 - AMOUNT AT THE LOCATIONS AS DIRECTED BY THE ENGINEER. WATER FOR DUST CONTROL SHALL BE APPLIED BY MEANS OF PRESSURE TYPE DISTRIBUTORS OR PIPE LINES EQUIPPED WITH A SPRAY SYSTEM OR HOSES WITH NOZZLES THAT WILL INSURE A
- UNIFORM APPLICATION OF WATER. 3. UNLESS WATER IS APPLIED BY MEANS OF PIPE LINES, AT LEAST ONE MOBILE UNIT WITH A MINIMUM CAPACITY OF 100 GALLONS SHALL BE AVAILABLE FOR APPLYING WATER.
- 4. ALL SOIL MATERIALS OR DEBRIS TRUCKED FROM THE SITE SHALL BE
- COVERED AND SPRINKLED PRIOR TO ENTERING PUBLIC STREETS.
- 5. PROVIDE FOR WET SUPPRESSION OR CHEMICAL STABILIZING OF EXPOSED SOILS.
- 6. PROVIDE FOR RAPID CLEAN-UP OF SEDIMENTS DEPOSITED ON THE PAVED ROADS.
- 7. LIMIT THE AMOUNT OF AREAS DISTURBED BY CLEARING & EARTH MOVING OPERATIONS BY SCHEDULING THESE ACTIVITIES IN PHASES.

SWPPP:

WDID #: 419C373884 CONTRACTOR TO KEEP A HARD COPY OF APPROVED SWPPP ON SITE DURING CONSTRUCTION. RISK LEVEL 1

EROSION AND SEDIMENT CONTROL PLAN STATEMENT FORM ESCP

"I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure 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 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 ESCP to reflect current conditions, or failing to properly and/or adequately implement the ESCP may result in revocation of grading and/or other permits or other sanctions provided by law."



CITY OF EL SEGUNDO Department of Building Safety PLAN REVIEW CHECKLIST



LARUCP

2. Total Disturbed Area___5 ACRES i. Risk Level 1) 2 3 (circle one as determined by State General Permit for sites greater than 1 acre) 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.

4. Erosion control devices shown on this plan may be removed when approved by the Building Official if the grading

5. 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.

6. All silt and debris shall be removed from all devices within 24 hours after each rainstorm and be disposed of properly. A guard shall be posted on the 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

8. The placement of additional devices to reduce erosion damage and contain pollutants within the site is left to the discretion of the Field Engineer. Additional devices as needed shall be installed to retain sediments and other pollutants

9. 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. 10. 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.

11. Every effort should be made to eliminate the discharge of non-storm water from the project sites at all times.

12. 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.

13. Stockpiles of earth and other construction-related materials must be protected from being transported from the site by the 14. Fuels, oils, solvents, and other toxic materials must be stored in accordance with their listing 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

15. Excess or waste concrete may not be washed 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. 16. Developers/contractors are responsible to inspect all Erosion Control Devices and BMPs are installed and functioning properly if there is a 50% or greater probability 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 the self-inspection check list and inspection logs are available upon request).

City of El Segundo Department of Building Safety



17. Trash and construction-related solid wastes must be deposited into a covered receptacle to prevent contamination of 18. 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. 19. Any slopes with disturbed soils or denuded of vegetation must be stabilized so as to inhibit erosion by wind and water. 20. As the engineer/QSD of record, There 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, pronitored, and maintained to ensure their effectiveness.

21. SEE EROSION AND SEDIMENTION CONTROL PLAN STATEMENT FORM ESCP, HEREON 22. Developers/contractors are responsible to inspect all Erosion Control Devices and BMPs are installed and functioning properly as required by the State Construction General Permit. 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. 23. The following BMPs from the "CASQA Construction BMP Online Handbook" must be implemented for all construction activities as applicable. As an alternative, details from "Caltrans Stormwater Quality Handbooks,

Construction Site Best Management Practices (BMP) Manual" may be used. Additional measures may be required if

deemed appropriate by 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 & MATS EC8 - WOOD MULCHING EC9 - EARTH DIKES AND DRAINAGE SWALES EC10 - VELOCITY DISSIPATION DEVICES EC11 - SLOPE DRAINS EC12 - STREAMBANK STABILIZATION EC13 - RESERVED EC14 - COMPOST BLANKETS

EC15 - SOIL PREPARATION/ROUGHENING EC16 - NON-VEGETATED STABILIZATION TEMPORARY SEDIMENT CONTROL SE2 — SEDIMENT BASIN SE3 — SEDIMENT TRAP SE4 — CHECK DAM SE5 — FIBER ROLLS

7 - STREET SWEEPING AND VACUUMING SE8 - SANDBAG BARRIER 0 - STORM DRAIN INLET PROTECTION SE11 - ACTIVE TREATMENT SYSTEMS SE12 - TEMPORARY SILT DIKE SE13 - COMPOST SOCKS & BERMS SE14 - BIOFILTER BAGS WIND EROSION CONTROL
WE1 - WIND EROSION CONTROL

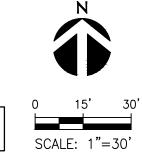
<u>TEMPORARY TRACKING CONTROL</u> TC1 – STABILIZED CONSTRUCTION ENTRANCE EXIT TC2 – STABILIZED CONSTRUCTION ROADWAY TC3 - ENTRANCE/OUTLET TIRE WASH

NON-STORMWATER MANAGEMENT
NS1 - WATER CONSERVATION PRACTICES NS2 - DEWATERING OPERATIONS S3 - PAVING AND GRINDING OPERATIONS NS4 - TEMPORARY STREAM CROSSING NS5 - CLEAR WATER 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

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 WM9 - SANITARY/SEPTIC WASTE MANAGEMENT WM10 - LIQUID WASTE MANAGEMENT

PERMITTED UNDER G0015-15

ALL WORK IN PUBLIC RIGHT OF WAY MUST BE APPROVED BY PUBLIC WORKS AND REQUIRES AN ENCROACHMENT PERMIT.



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Description

75% DD Pricing Package



12/12/14

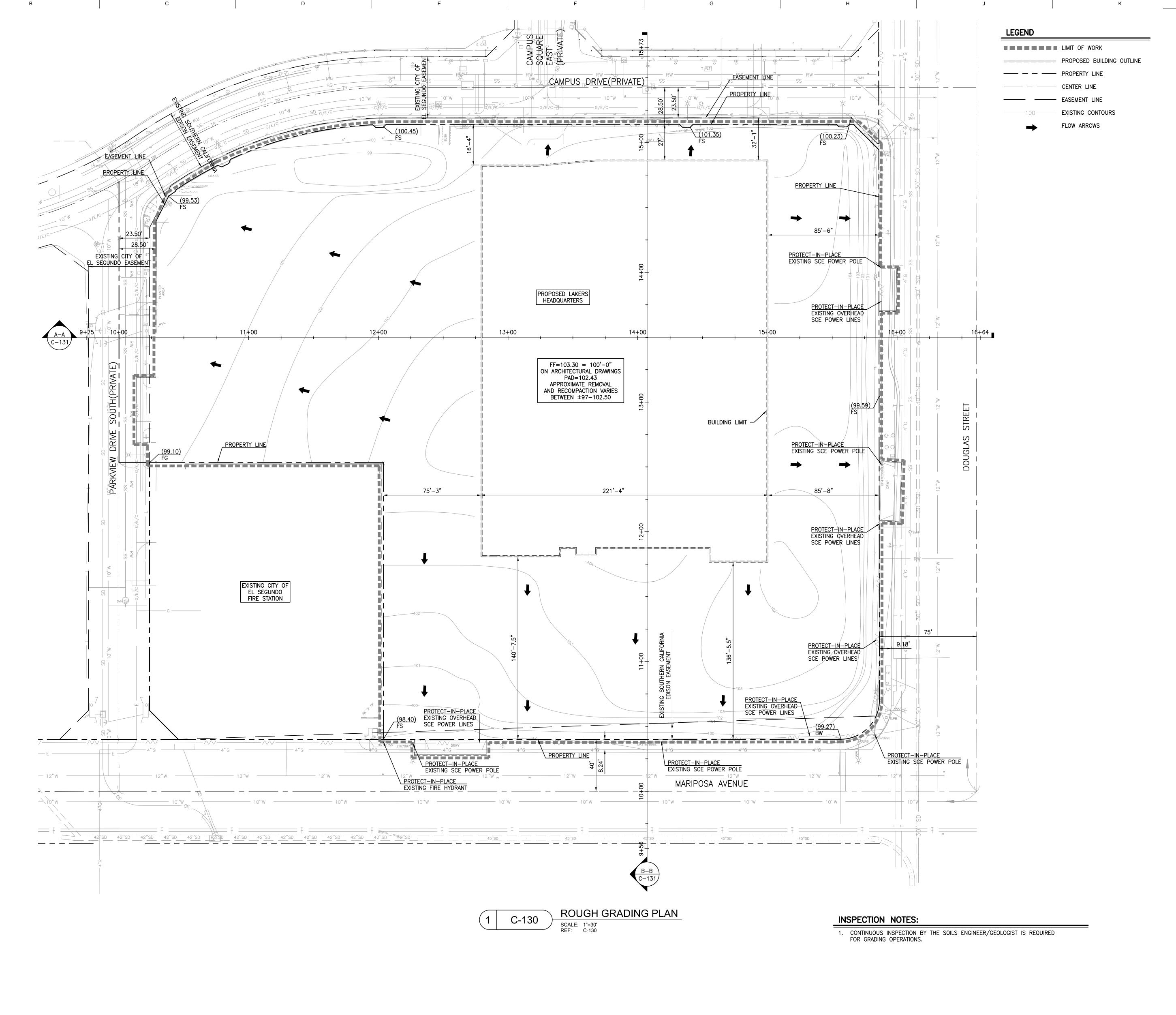
DD Package 01/19/15 07/15/15 50% CD'S for Pricing 08/07/15 08/12/15 Foundation and Utilities Permit 09/18/15 Plan Check 01/08/16 Back-Check #2-ASI 008 Issued for Construction-ASI 010 01/22/16

EROSION CONTROL PLAN

Project Number CAD File 114075

Sheet Number

C-120



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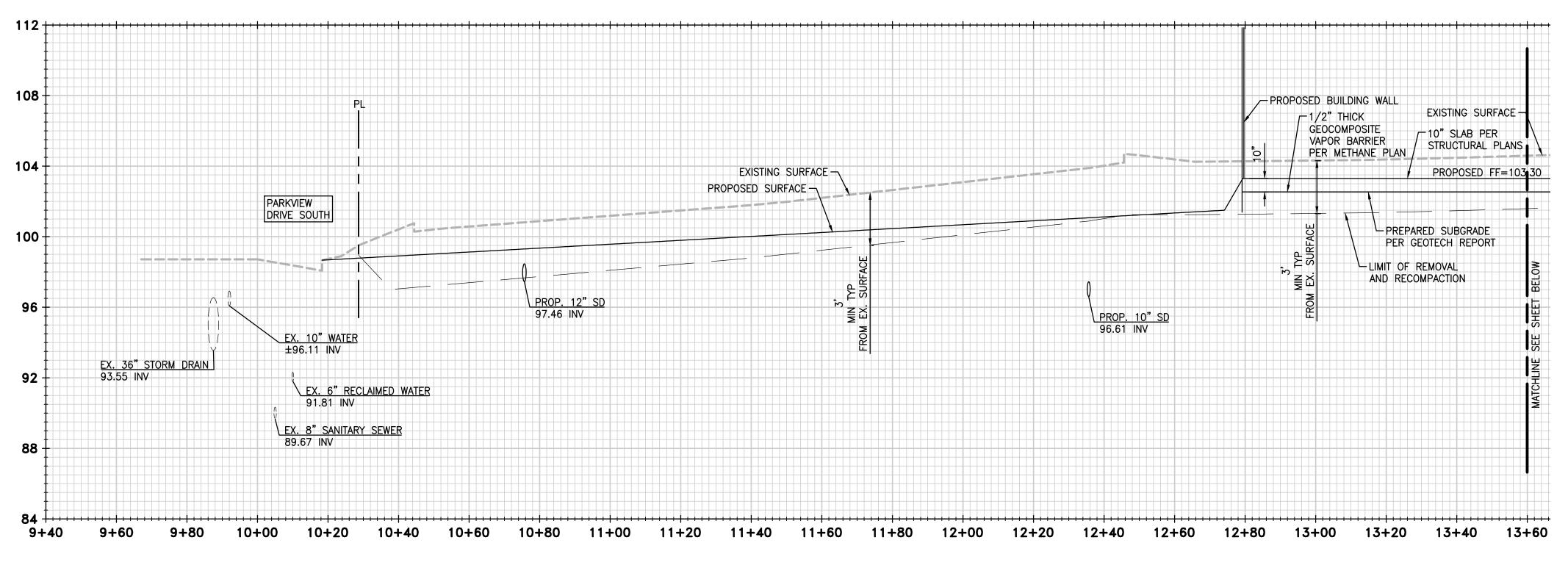
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3	Grading Permit	07/15/15		
4	50% CD'S for Pricing	08/07/15		
5	Foundation and Utilities Permit	08/12/15		
6	Plan Check	09/18/15		
7	Back-Check #1-Fnd & Utility	10/09/15		
8	ASI 003	10/16/15		
9	Back-Check #1	11/20/15		
10	Back-Check #2-ASI 008	01/08/16		
11	Issued for Construction-ASI 010	01/22/16		
Key Plan				

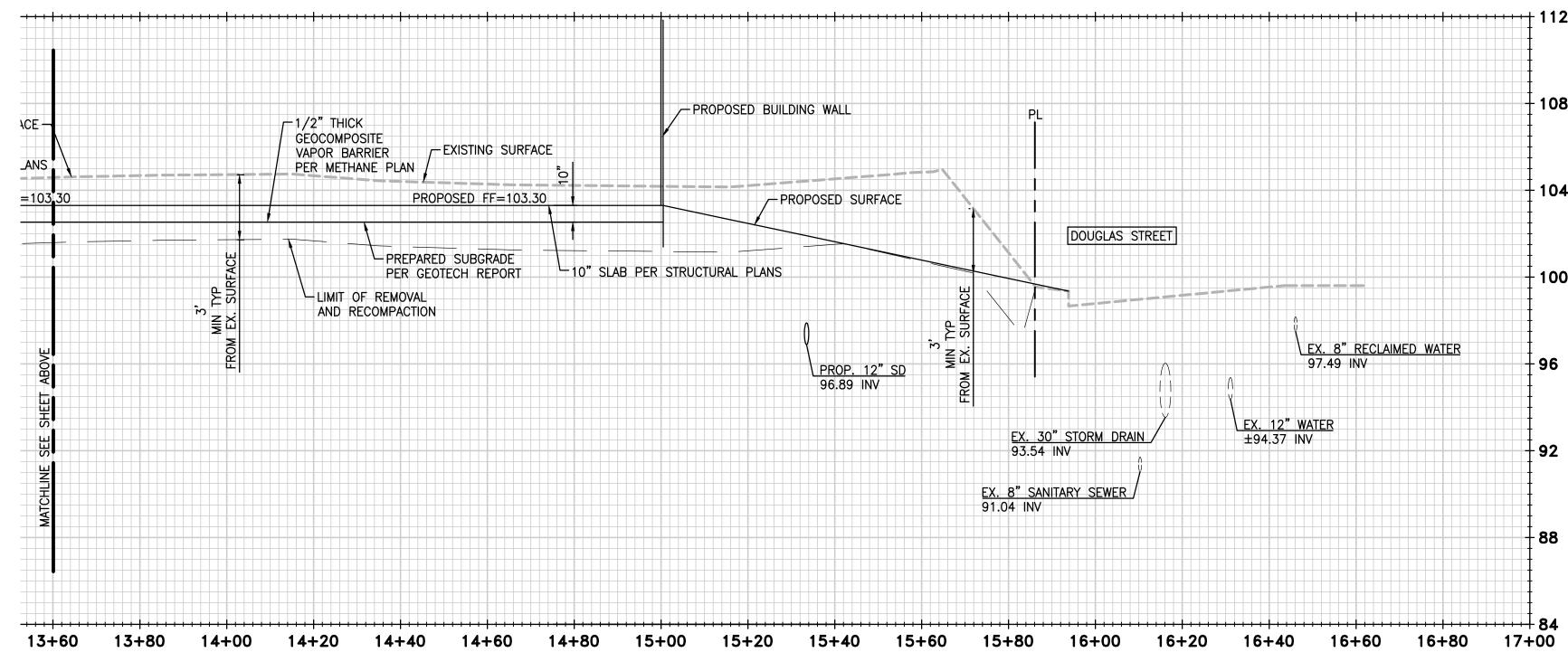
ROUGH GRADING PLAN

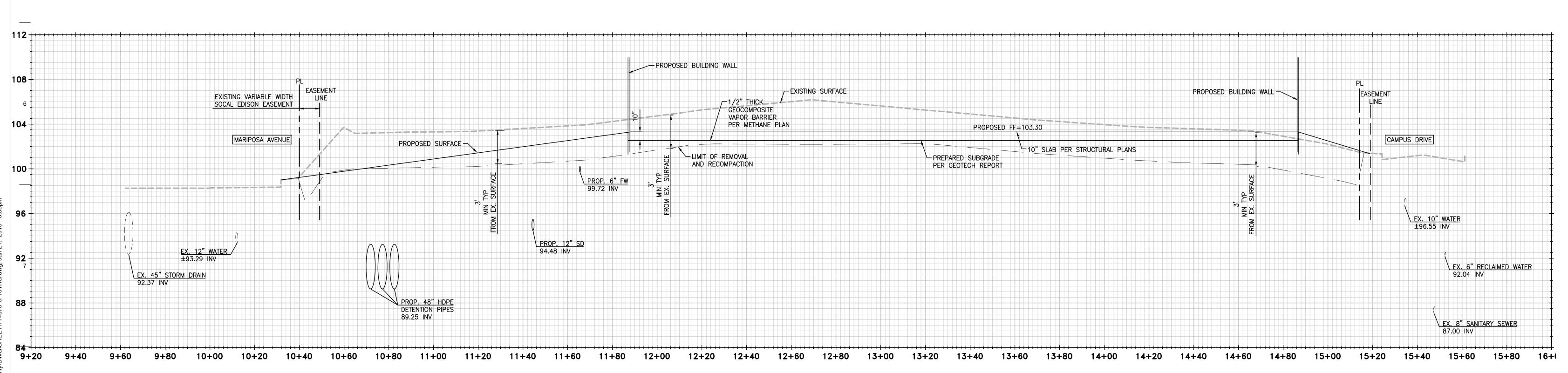
114075

C-130

PERMITTED UNDER G0015-15 ALL WORK IN PUBLIC RIGHT OF WAY MUST BE APPROVED BY PUBLIC WORKS AND REQUIRES AN ENCROACHMENT PERMIT.







2 C-131 SECTION B-B

SCALE: H:1"=20' V:1"=4'
REF: C-130

PERMITTED UNDER G0015-15

ALL WORK IN PUBLIC RIGHT OF WAY MUST BE APPROVED BY PUBLIC WORKS AND REQUIRES AN ENCROACHMENT PERMIT.

NOTES

- CONFIRM EXTENTS OF REMOVAL AND RECOMPACTION WITH GEOTECHNICAL ENGINEER. LIMITS SHOWN HEREON ASSUME TYPICAL REMOVALS OF 3' BELOW EXISTING SURFACE PER GEOTECHNICAL FNGINFER.
- 2. CONFIRM SLAB THICKNESS WITH STRUCTURAL ENGINEER.
- 3. CONFIRM METHANE SYSTEM BELOW SLAB WITH METHANE CONSULTANT AND GEOTECH ENGINEER AS APPROVED BY CITY OF EL SEGUNDO FIRE DEPARTMENT.

INSPECTION NOTES:

1. CONTINUOUS INSPECTION BY THE SOILS ENGINEER/GEOLOGIST IS REQUIRED FOR GRADING OPERATIONS.

ROSSETTI. ARCHITECTURE. INTERIORS. GRAPHICS. PLANNING
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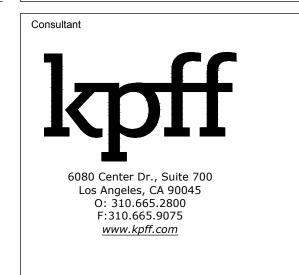
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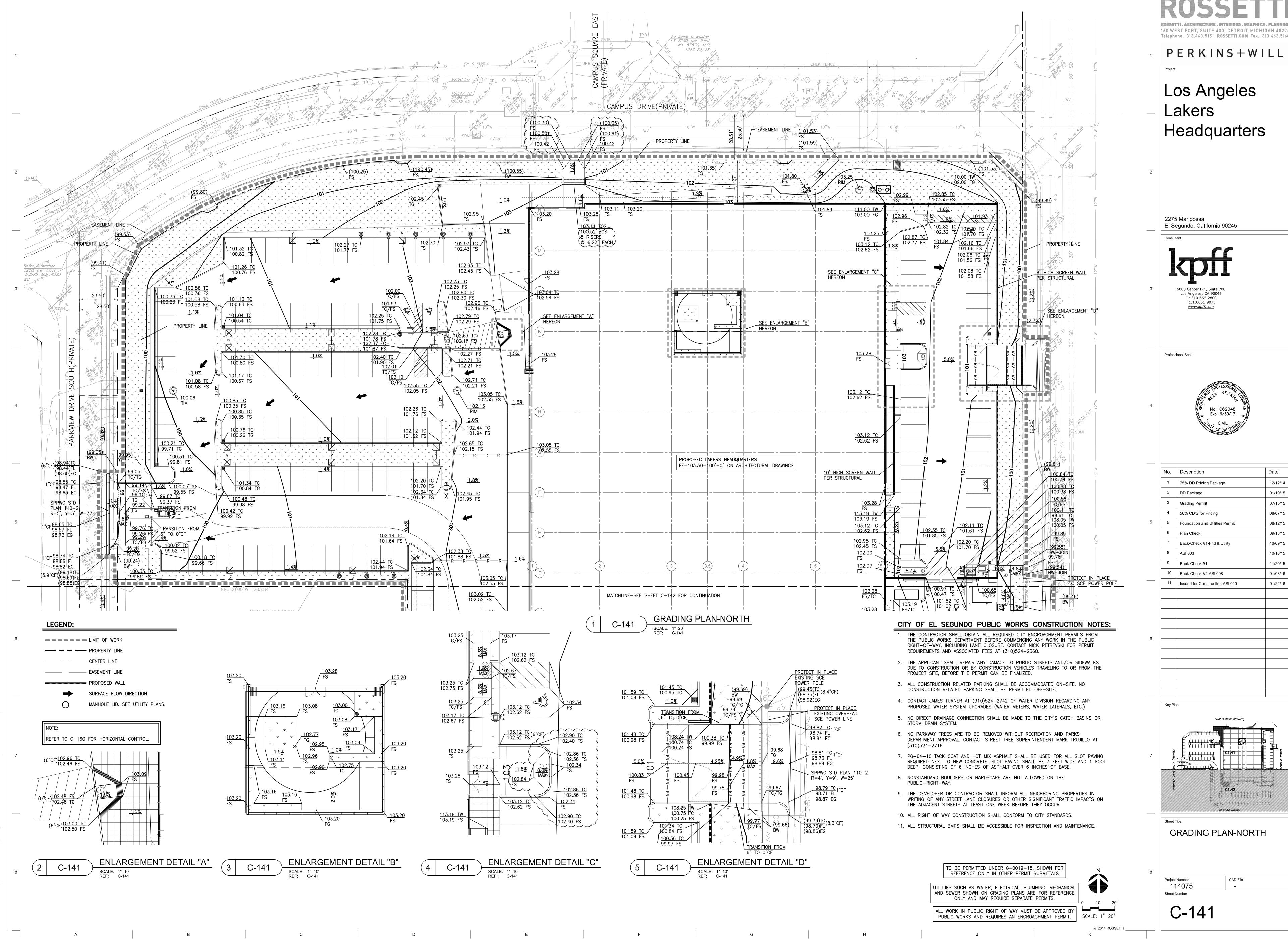


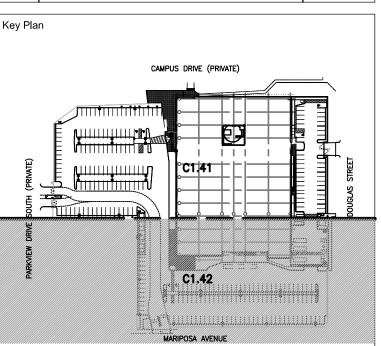
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9	Back-Check #1	11/20/
10	Back-Check #2-ASI 008	01/08/
11	Issued for Construction-ASI 010	01/22/

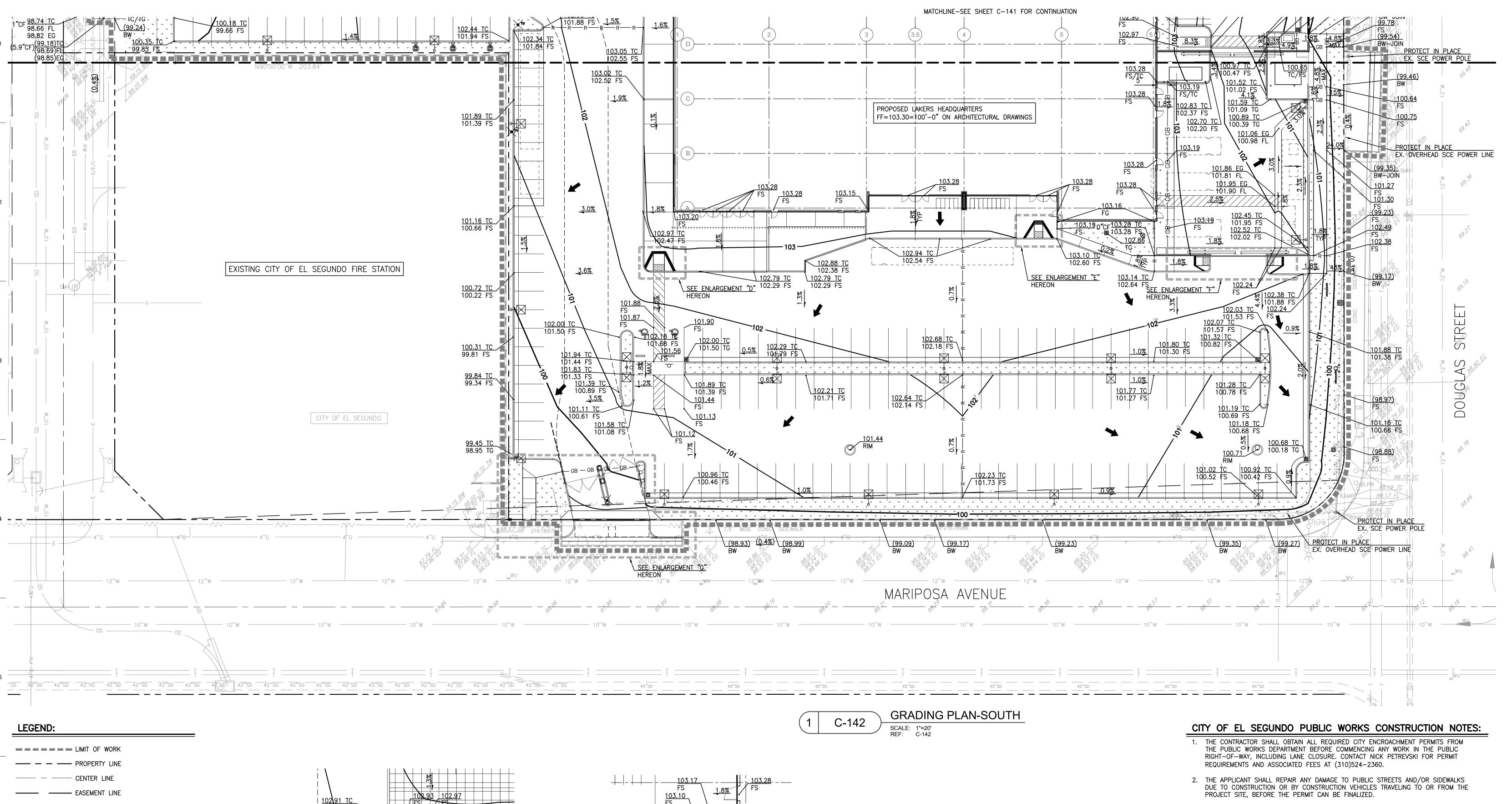
Sheet Title
ROUGH GRADING PROFILES

Project Number CAD File -

C-131







| 103.17 | 103.28 | 102.34 | 103.11 | 103.28 | 102.34 | 103.11 | 103.28 | 102.35 | 103.11 | 103.28 | 102.35 | 103.31 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 103.35 | 1

98.76 TC 8"CF 98.20 EG 98.09 FL

98.14 TC 98.22 EG 98.07 FL

98.10 TC 98.18 EG

98.02 FL

ENLARGEMENT DETAIL "G"

SPPWC STD PLAN 110-2 / R=4', Y=8', W=34'

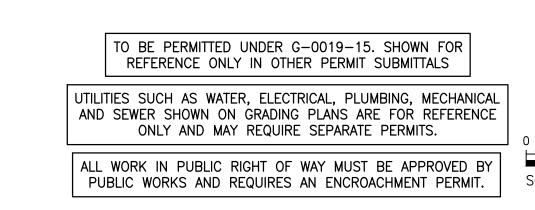
> SCALE: 1"=10' REF: C-142

97.95 FL

- 3. ALL CONSTRUCTION RELATED PARKING SHALL BE ACCOMMODATED ON—SITE. NO CONSTRUCTION RELATED PARKING SHALL BE PERMITTED OFF—SITE.
- 4. CONTACT JAMES TURNER AT (310)524-2742 OF WATER DIVISION REGARDING ANY PROPOSED WATER SYSTEM UPGRADES (WATER METERS, WATER LATERALS, ETC.)
- 5. NO DIRECT DRAINAGE CONNECTION SHALL BE MADE TO THE CITY'S CATCH BASINS OR STORM DRAIN SYSTEM.
- 6. NO PARKWAY TREES ARE TO BE REMOVED WITHOUT RECREATION AND PARKS DEPARTMENT APPROVAL. CONTACT STREET TREE SUPERINTENDENT MARK TRUJILLO AT
- 7. PG-64-10 TACK COAT AND HOT MIX ASPHALT SHALL BE USED FOR ALL SLOT PAVING REQUIRED NEXT TO NEW CONCRETE. SLOT PAVING SHALL BE 3 FEET WIDE AND 1 FOOT DEEP, CONSISTING OF 6 INCHES OF ASPHALT OVER 6 INCHES OF BASE.
- 8. NONSTANDARD BOULDERS OR HARDSCAPE ARE NOT ALLOWED ON THE PUBLIC-RIGHT-WAY.

(310)524-2716.

- 9. THE DEVELOPER OR CONTRACTOR SHALL INFORM ALL NEIGHBORING PROPERTIES IN WRITING OF ANY STREET LANE CLOSURES OR OTHER SIGNIFICANT TRAFFIC IMPACTS ON THE ADJACENT STREETS AT LEAST ONE WEEK BEFORE THEY OCCUR.
- 10. ALL RIGHT OF WAY CONSTRUCTION SHALL CONFORM TO CITY STANDARDS.
- 11. ALL STRUCTURAL BMPS SHALL BE ACCESSIBLE FOR INSPECTION AND MAINTENANCE.





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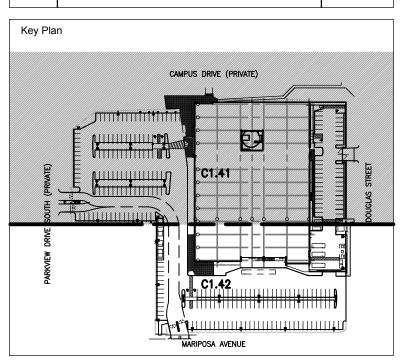
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	3	Grading Permit	07/15/15
	4	50% CD'S for Pricing	08/07/15
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	11	Back-Check #2-ASI 008	01/08/16
	12	Issued for Construction-ASI 010	01/22/16
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Sheet Title
GRADING PLAN-SOUTH

Project Number CAD File
114075 Sheet Number

C-142

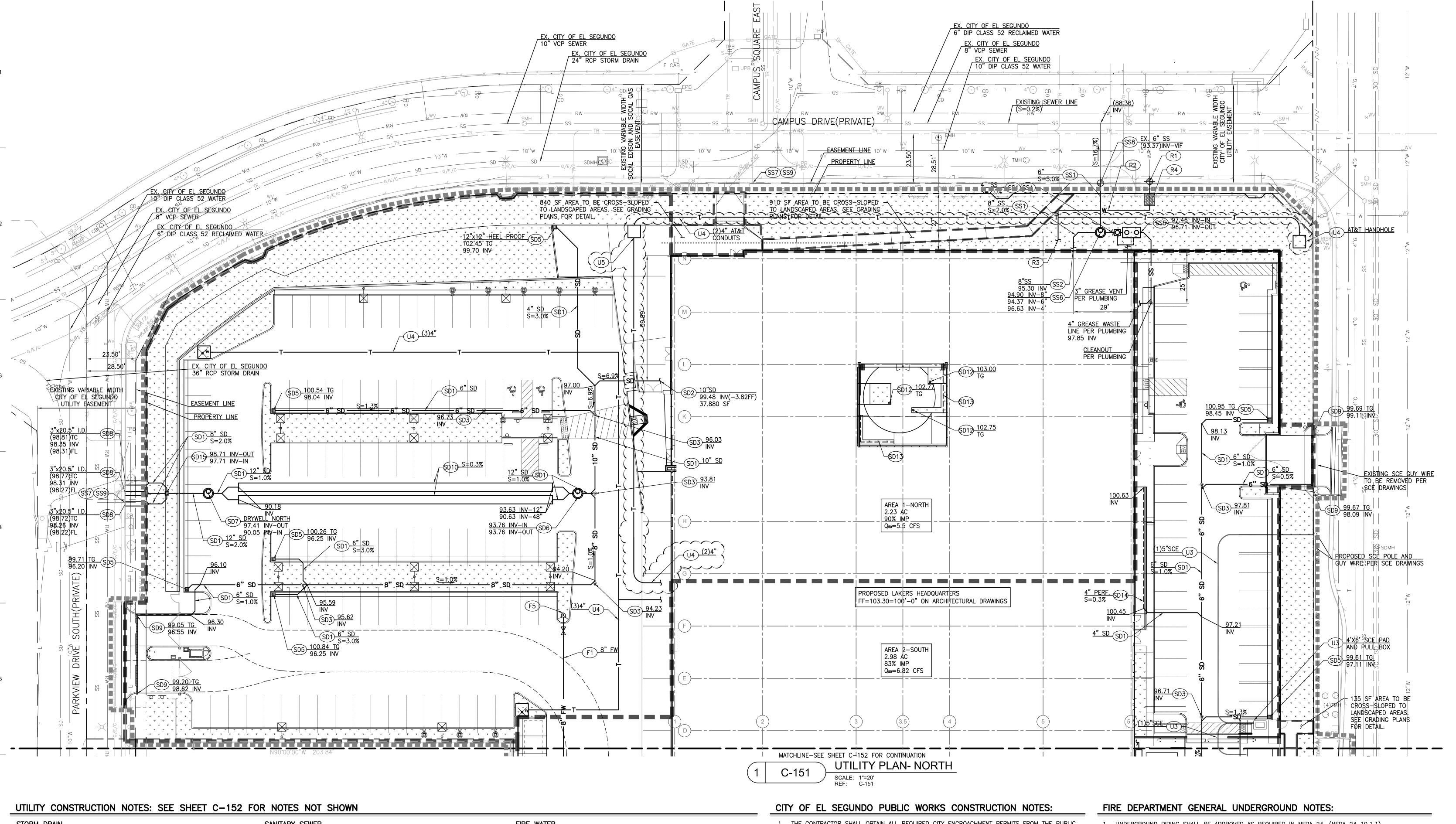
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SURFACE FLOW DIRECTION

REFER TO C-160 FOR HORIZONTAL CONTROL.

MANHOLE LID. SEE UTILITY PLANS.

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



STORM DRAIN

(SD1) INSTALL PVC, SDR-35 STORM DRAIN PIPE PER DETAIL 1, SHEET C-501. SIZE AND SLOPE PER PLAN.

SD2 POINT OF CONNECTION 5 FEET FROM BUILDING FACE. SEE PLUMBING DRAWINGS FOR CONTINUATION.

- (SD3) INSTALL CLEANOUT PER DETAIL 2, SHEET C-501.
- (SD4) INSTALL 4" PVC PERFORATED PIPE WALL DRAINAGE PER DETAIL 8, SHEET C-501. EXTENTS TO BE VERIFIED BY GEOTECH IN THE FIELD.
- SD5) INSTALL 18"x18" PRECAST CONCRETE TRAFFIC RATED CATCH BASIN BY
- JENSEN PRECAST PRODUCTS OR APPROVED EQUIVALENT. LABEL WITH NO DUMPING STENCIL PER DETAIL 3, SHEET C-502.
- SD6 INSTALL CDS UNIT BY CONTECH OR APPROVED EQUAL PER DETAIL 1,
- (SD7) INSTALL MAXWELL IV DRYWELL BY TORRENT RESOURCES OR APPROVED EQUAL PER DETAIL 2, SHEET C-501.
- (SD8) INSTALL UNDER SIDEWALK RECTANGULAR DRAIN PIPE BY FOUNDRY SERVICE AND SUPPLIES OR APPROVED EQUAL SLOPE=2.0%. SIZE PER
- (SD9) INSTALL 12" TRAFFIC RATED TRENCH DRAIN BY NDS PRODUCTS OR APPROVED EQUAL.
- \$D10 INSTALL 48" DIAMETER HDPE DETENTION PIPE OR APPROVED
- \$D12) DRAIN PER PLUMBING PLANS. SEE PLUMBING PLANS FOR CONTINUATION.
- \$D13 FRENCH DRAIN PER DETAIL 9, SHEET C-501. SEE PLUMBING PLANS FOR CONTINUATION.

DUMPING" STENCIL PER DETAIL 3, SHEET C-502.

\$D14) 4" PVC PERFORATED STORM DRAIN PIPE PER DETAIL 6, SHEET C-501. \$D15 INSTALL 18"x18" PRECAST OPEN BOTTOM CATCH BASIN BY JENSEN

PRECAST PRODUCTS OR APPROVED EQUIVALENT. LABEL WITH "NO

SANITARY SEWER

- (SS1) INSTALL PVC, SDR-35 SANITARY SEWER PIPE PER DETAIL 1, SHEET
- SS2 POINT OF CONNECTION 5 FEET FROM BUILDING FACE. SEE PLUMBING DRAWINGS FOR CONTINUATION
- (SS3) INSTALL CLEANOUT PER DETAIL 2, SHEET C-501

C-501. SIZÉ AND SLOPE PER PLAN.

- (SS4) POINT OF CONNECTION TO GREASE INTERCEPTOR OUTLET. SEE PLUMBING DRAWINGS FOR CONTINUATION.
- (SS5) GREASE INTERCEPTOR AND SAMPLING BOX WITH 4" GREASE WASTE LINE AND 3" VENT PER PLUMBING PLANS. SHOWN FOR COORDINATION PURPOSES ONLY.
- (SS6) CONSTRUCT MANHOLE PER SPPWC STD PLAN 200-3.
- (SS7) RESURFACE SEWER LATERAL TRENCH PER CITY OF EL SEGUNDO STANDARD PLAN WT-11.
- (\$\$8) CONNECT TO EXISTING 6" VCP SANITARY SEWER LATERAL VERIFY INVERT
- (SS9) VERIFY EXISTING SEWER LATERAL IS ABANDONED AND CAP AS REQUIRED.

FIRE WATER

- (F1) INSTALL PVC C-900 FIRE WATER PIPE PER DETAIL 1, SHEET C-501. SIZE
- (F5) INSTALL FIRE HYDRANT BY JAMES JONES MODEL J-3775-PL OR EQUIVALENT WITH (2)4" AND (1)2-1/2" OUTLETS AND BREAK OFF CHECK VALVE AND A STRÈET KEY CONTROL VALVE AS APPROVED BY CITY OF EL SEGUNDO FIRE DEPARTMENT PER DETAIL 5, SHEET C-501.

RECLAIMED WATER

ARCHITECT.

AND MATERIAL PER PLAN.

- (R1) CONNECT TO EXISTING 6" RECLAIMED WATER LATERAL.
- R2 INSTALL PVC, C-900 CLASS 200 PURPLE RECLAIMED WATER PIPE FOR EXTERIOR IRRIGATION. SIZE TO BE CONFIRMED WITH LANDSCAPE
- (R3) EXTERIOR IRRIGATION POINT OF CONNECTION. SEE IRRIGATION PLANS FOR CONTINUATION.
- (R4) ORDER NEW RECLAIMED WATER METER FROM WEST BASIN MUNICIPAL

WATER DISTRICT SIZE TO BE CONFIRMED WITH THE DISTRICT AND

LANDSCAPE ARCHITECT.

(U3) ELECTRICAL CONDUITS. SEE SCE DRAWINGS FOR DETAIL AND SPECIFICATIONS. SHOWN FOR COORDINATION PURPOSES ONLY.

- U4 LOW VOLTAGE CONDUITS. SEE SC DRAWINGS FOR DETAIL AND
- SPECIFICATIONS. REFER TO AT&T, ZAYO AND TWC AS NEEDED. (U5) 4'x4' TELECOM HANDHOLE WITH TRAFFIC RATED LID. SEE ELECTRICAL DRAWINGS FOR DETAILS AND SPECIFICATIONS.

JOHN TORN SERVICE THE STREET TO THE STREET T

1. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED CITY ENCROACHMENT PERMITS FROM THE PUBLIC WORKS DEPARTMENT BEFORE COMMENCING ANY WORK IN THE PUBLIC RIGHT-OF-WAY, INCLUDING LANE CLOSURE. CONTACT NICK PETREVSKI FOR PERMIT REQUIREMENTS AND

ASSOCIATED FEES AT (310)524-2360.

----FW------ PROPOSED FIRE WATER

- . THE APPLICANT SHALL REPAIR ANY DAMAGE TO PUBLIC STREETS AND/OR SIDEWALKS DUE TO CONSTRUCTION OR BY CONSTRUCTION VEHICLES TRAVELING TO OR FROM THE PROJECT SITE, BEFORE THE PERMIT CAN BE FINALIZED.
- 3. ALL CONSTRUCTION RELATED PARKING SHALL BE ACCOMMODATED ON-SITE. NO CONSTRUCTION RELATED PARKING SHALL BE PERMITTED OFF-SITE.
- 4. CONTACT JAMES TURNER AT (310)524-2742 OF WATER DIVISION REGARDING ANY PROPOSED WATER SYSTEM UPGRADES (WATER METERS, WATER LATERALS, ETC.)
- 5. NO DIRECT DRAINAGE CONNECTION SHALL BE MADE TO THE CITY'S CATCH BASINS OR STORM
- DRAIN SYSTEM. 6. NO PARKWAY TREES ARE TO BE REMOVED WITHOUT RECREATION AND PARKS DEPARTMENT
- APPROVAL. CONTACT STREET TREE SUPERINTENDENT MARK TRUJILLO AT (310)524-2716.
- . PG-64-10 TACK COAT AND HOT MIX ASPHALT SHALL BE USED FOR ALL SLOT PAVING REQUIRED NEXT TO NEW CONCRETE. SLOT PAVING SHALL BE 3 FEET WIDE AND 1 FOOT DEEP, CONSISTING OF 6 INCHES OF ASPHALT OVER 6 INCHES OF BASE.
- 8. NONSTANDARD BOULDERS OR HARDSCAPE ARE NOT ALLOWED ON THE PUBLIC-RIGHT-WAY.
- 9. THE DEVELOPER OR CONTRACTOR SHALL INFORM ALL NEIGHBORING PROPERTIES IN WRITING OF ANY STREET LANE CLOSURES OR OTHER SIGNIFICANT TRAFFIC IMPACTS ON THE ADJACENT STREETS AT LEAST ONE WEEK BEFORE THEY OCCUR.
- 10. ALL RIGHT OF WAY CONSTRUCTION SHALL CONFORM TO CITY STANDARDS.
- 11. ALL STRUCTURAL BMPS SHALL BE ACCESSIBLE FOR INSPECTION AND MAINTENANCE.

LEGEND: ---- LIMIT OF WORK HYDROLOGY AREA LIMIT —— — — PROPERTY LINE ——— — CENTER LINE ——— EASEMENT LINE

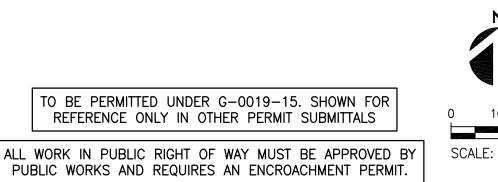
- 1. UNDERGROUND PIPING SHALL BE APPROVED AS REQUIRED IN NFPA 24. (NFPA 24 10.1.1)
- 2. IN UNDERGROUND SYSTEM WITH A WORKING PRESSURE OF 150 PSI OR MORE, IF PVC PIPING IS USED, IT SHALL BE CLASS 200 PIPING. (NFPA 24 10.1.5)
- 3. THE FOLLOWING INSPECTIONS ARE REQUIRED TO BE WITNESSED BY THE EL SEGUNDO FIRE **DEPARTMENT:** a. PRE-THRUST
- b. POST THRUST c. HYDROSTATIC TEST (TO BE A MINIMUM 200 PSI OR 50 PSI ABOVE SYSTEM PRESSURE) d. PIPE FLUSH e. FLOW TEST
- f. SYSTEM FINAL INCLUDING KNOX FDC PLUG INSTALLATION AND VERIFYING ESFD STANDARD FDC AND CONTROL VAVLE SIGNS HAVE BEEN INSTALLED.
- 4. INSTALLATION, INSPECTION AND TESTING SHALL CONFORM TO THE 2013 EDITION OF NFPA STANDARD 13 AND THE 2010 EDITION OF NFPA STANDARD 24. 5. PROVIDE NOTE THAT THE VALVES AND WATER FLOW DEVICES ARE TO BE MONITORED ELECTRONICALLY
- TO AN APPROVED LOCATION (CFC 903.4) FIRE HYDRANT. THE FDC SHALL BE ORIENTED TO FACE THE FIRE DEPARTMENT ACCESS ROAD. THE FDC SHALL BE PROPERLY SUPPORTED AND SHALL BE PROTECTED FROM MECHANICAL INJURY. THE SIZE OF PIPING AND THE NUMBER OF INLETS SHALL BE APPROVED BY THE CHIEF. IF ACCEPTABLE TO THE

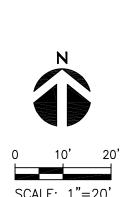
WATER AUTHORITY, IT MAY BE INSTALLED ON THE BACKFLOW ASSEMBLY. FIRE DEPARTMENT INLET

7. PRIVATE FIRE HYDRANTS ARE TO BE PAINTED RED.

CONNECTIONS SHALL BE PAINTED OSHA SAFETY RED.

- (CFC 102.9, ESFD FPR H-2-a) (NFPA 24 10.10.2) 8. KNOX COMPANY LOCKING FDC PLUGS ARE TO BE INSTALLED ON EACH FDC INLET (CFC 912.3.1)
- 9. EACH FDC IS TO IDENTIFIED WITH AN ESFD STANDARD FDC SIGN. (CFC 509.1)





Grading Permit 07/15/15 08/07/15 50% CD'S for Pricing Foundation and Utilities Permit 08/12/15 09/18/15 6 Plan Check Back-Check #1-Fnd & Utility 10/09/15

No. C62048 Exp. 9/30/17

12/12/14

01/19/15

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Lakers

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El Segundo, California 90245

O: 310.665.2800 F:310.665.9075

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Professional Seal

No. Description

2 DD Package

1 75% DD Pricing Package

8 ASI 003 10/16/15 ASI 004 (Fndn Const.) 10/30/15 11/20/15 10 Back-Check #1

Back-Check #2-ASI 008 01/08/16 Issued for Construction-ASI 010 01/22/16 13 | ASI 011 02/05/16

Key Plan C1.52

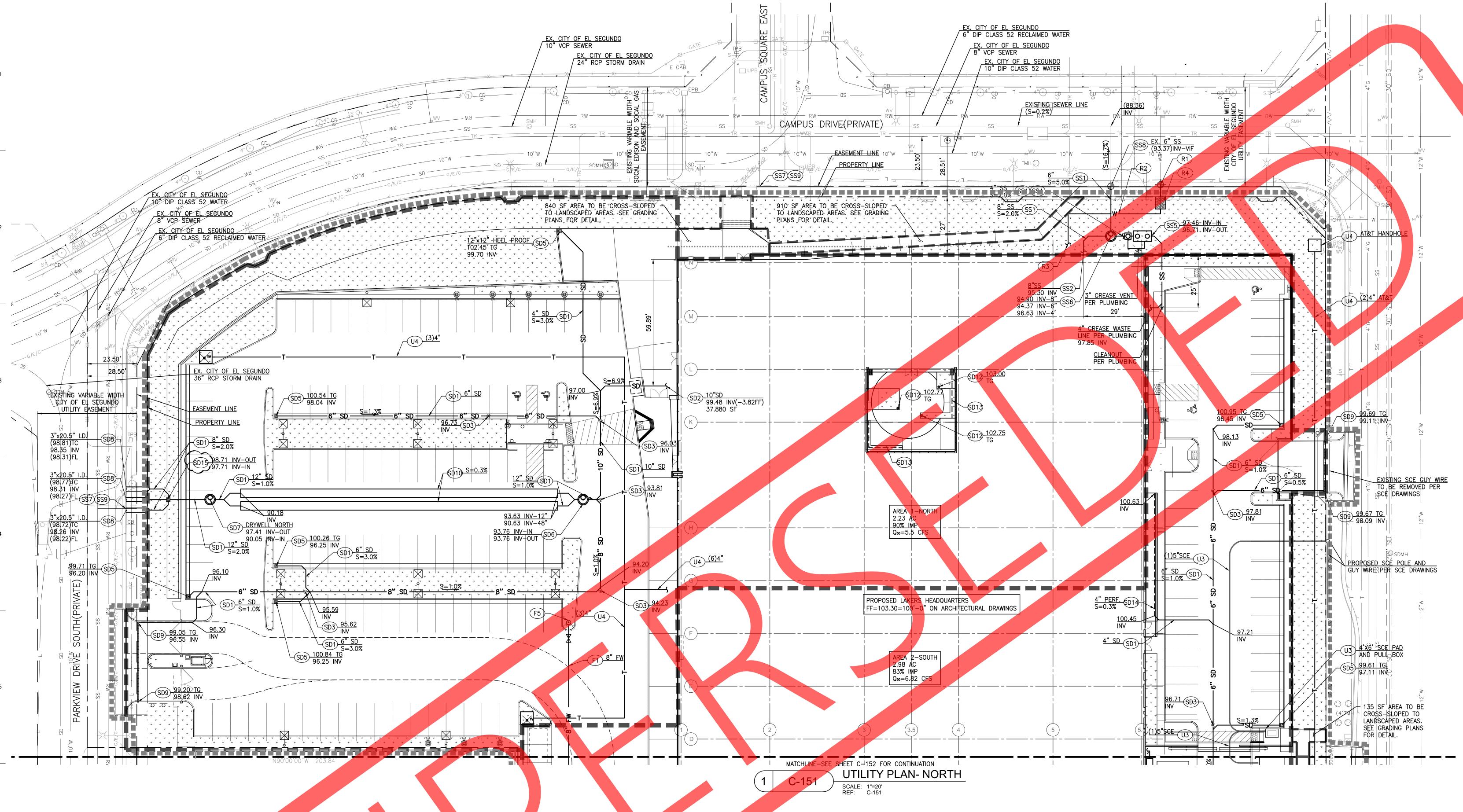
MARIPOSA AVENUE Sheet Title UTILITY PLAN-NORTH

Project Number 114075

C-151

Sheet Number

SCALE: 1"=20'



UTILITY CONSTRUCTION NOTES: SEE SHEET C-152 FOR S NOT SHOWN

STORM DRAIN

- SD1) INSTALL PVC, SDR-35 STORM DRAIN PIPE PER DETAIL 1, SHEET C-501. SIZE AND SLOPE PER PLAN.
- SD2) POINT OF CONNECTION 5 FEET FROM BUILDING FACE. SEE PLUMBING DRAWINGS FOR CONTINUATION.
- SD3) INSTALL CLEANOUT PER DETAIL 2, SHEET C-
- SD4) INSTALL 4" PVC PERFORATED PIPE WALL SHEET C-501. EXTENTS TO BE VERIFIED DRAINAGE PER DETAIL 8, BY GEOTECH IN THE FIEL
- (SD5) INSTALL 18"x18" PRECAST CO CRETE TRAFFIC RATED CATCH BASIN BY JENSEN PRECAST PRODUCTS OR APPROVED EQUIVALENT. LABEL WITH NO DUMPING STENCIL PER DETAIL 3, SHEET C-502.
- SD6 INSTALL CDS UNIT SHEET C-501. BY CONTECH OR APPROVED EQUAL PER DETAIL 1,
- XWELL IV DRYWELL BY TORRENT RES<mark>OURCES OR APPROVED.</mark> EQUAL PER DETAIL 2, SHEET C-501.
- SD8 INSTALL UNDER SIDEWALK RECTANGULAR DRAIN PIPE BY FOUNDRY
 SERVICE AND SUPPLIES OR APPROVED FOUND SLOPE 2.0% SIZE I AND SUPPLIES OR APPROVED EQUAL SLOPE=2.0%. SIZE PER
- TRAFFIC RATED TRENCH DRAIN BY NDS PRODUCTS OR
- \$D10 INSTALL 48" DIAMETER HDPE DETENTION PIPE OR APPROVED EQUIVALENT.
- \$D12 DRAIN PER PLUMBING PLANS. SEE PLUMBING PLANS FOR
- CONTINUATION.
- SD13 FRENCH DRAIN PER DETAIL 9, SHEET C-501. SEE PLUMBING PLANS FOR CONTINUATION.
- \$D14) 4" PVC PERFORATED STORM DRAIN PIPE PER DETAIL 6, SHEET C-501. (\$D15) INSTALL 18"x18" PRECAST OPEN BOTTOM CATCH BASIN BY JENSEN PRECAST PRODUCTS OR APPROVED EQUIVALENT. LABEL WITH "NO DUMPING" STENCIL PER DETAIL 3, SHEET C-502.

NITARY SEWER

ENT PER PLUMBING PLANS. SHOWN FOR COORDINATION

- (SS1) INSTALL PVC, SDR-35 SANITARY SEWER PIPE PER DETAIL 1, SHEET C-501. SIZE AND SLOPE PER PLAN. AND MATERIAL PER PLAN.
- (SS2) POINT OF CONNECTION 5 FEET FROM BUILDING FACE. SEE PLUN
- DRAWINGS FOR CONTINUATION.
- NSTALL CLEANOUT PER DETAIL 2, SHEET C-NT OF CONNECTION TO GREASE INTERCEPTOR OUTLET. SEE PLUMBING
- INGS FOR CONTINUATION. (SS5) GREASE INTERCEPTOR AND SAMPLING BOX WITH 4" GREASE WASTE LINE
- PURPOSES (SS6) CONSTRUCT MANHOLE PER SPPWC STD PLAN 200-3.
- (SS7) RESURFACE SEWER LATERAL TRENCH PER CITY OF EL SEGUNDO STANDARD PLAN W
- (SS8) CONNECT TO EXISTING 6" VCP SANITARY SEWER LATERAL VERIFY INVER
- (SS9) VERIFY EXISTING SEWER LATERAL IS ABANDONED AND CAP AS R

TRE WATER

- (F1) INSTALL PVC C-900 FIRE WATER PIPE PER DETAIL 1, T C-501. SIZE
- (F5) INSTALL FIRE HYDRANT BY JAMES JONES MODEL J-3775-PL OR
- EQUIVALENT WITH (2)4" AND (1)2-1/2" ETS AND BREAK OFF CHECK VALVE AND A STRÈET KEY CONTROL VALVE AS APPROVED BY CITY OF EL SEGUNDO FIRE DEPARTMENT PER DETAIL 5. SHEET C-501.

RECLAIMED WATER

- R1) CONNECT TO EXISTING 6" RECLAIMED WATER LATERAL.
- OCLASS 200 PURPLE RECLAIMED WATER PIPE FOR EXTERIOR TION. SIZE TO BE CONFIRMED WITH LANDSCAPE
- RIRRIGATION POINT OF CONNECTION. SEE IRRIGATION PLANS
- ORDER NEW RECLAIMED WATER METER FROM WEST BASIN MUNICIPAL WATER DISTRICT SIZE TO BE CONFIRMED WITH THE DISTRICT AND LANDSCAPE ARCHITECT

- (U3) ELECTRICAL CONDUITS. SEE SCE DRAWINGS FOR DETAIL AND SPECIFICATIONS. SHOWN FOR COORDINATION PURPOSES ONLY.
- (U4) LOW VOLTAGE CONDUITS. SEE LOW VOLTAGE DRAWINGS FOR DETAIL AND SPECIFICATIONS. REFER TO AT&T, ZAYO AND TWC AS NEEDED.

CITY OF EL SEGUNDO PUBLIC WORKS CONSTRUCTION NOTES:

ASSOCIATED FEES AT (310)524-2360.

RELATED PARKING SHALL BE PERMITTED OFF-SITE.

- 1. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED CITY ENCROACHMENT PERMITS FROM THE PUBLIC WORKS DEPARTMENT BEFORE COMMENCING ANY WORK IN THE PUBLIC RIGHT-OF-WAY, INCLUDING LANE CLOSURE. CONTACT NICK PETREVSKI FOR PERMIT REQUIREMENTS AND
- 2. THE APPLICANT SHALL REPAIR ANY DAMAGE TO PUBLIC STREETS AND/OR SIDEWALKS DUE TO CONSTRUCTION OR BY CONSTRUCTION VEHICLES TRAVELING TO OR FROM THE PROJECT SITE, BEFORE THE PERMIT CAN BE FINALIZED.
- 3. ALL CONSTRUCTION RELATED PARKING SHALL BE ACCOMMODATED ON-SITE. NO CONSTRUCTION
- 4. CONTACT JAMES TURNER AT (310)524-2742 OF WATER DIVISION REGARDING ANY PROPOSED WATER SYSTEM UPGRADES (WATER METERS, WATER LATERALS, ETC.)
- 5. NO DIRECT DRAINAGE CONNECTION SHALL BE MADE TO THE CITY'S CATCH BASINS OR STORM
- 6. NO PARKWAY TREES ARE TO BE REMOVED WITHOUT RECREATION AND PARKS DEPARTMENT
- APPROVAL. CONTACT STREET TREE SUPERINTENDENT MARK TRUJILLO AT (310)524-2716. 7. PG-64-10 TACK COAT AND HOT MIX ASPHALT SHALL BE USED FOR ALL SLOT PAVING
- REQUIRED NEXT TO NEW CONCRETE. SLOT PAVING SHALL BE 3 FEET WIDE AND 1 FOOT DEEP, CONSISTING OF 6 INCHES OF ASPHALT OVER 6 INCHES OF BASE.
- 8. NONSTANDARD BOULDERS OR HARDSCAPE ARE NOT ALLOWED ON THE PUBLIC-RIGHT-WAY.
- 9. THE DEVELOPER OR CONTRACTOR SHALL INFORM ALL NEIGHBORING PROPERTIES IN WRITING OF ANY STREET LANE CLOSURES OR OTHER SIGNIFICANT TRAFFIC IMPACTS ON THE ADJACENT STREETS AT LEAST ONE WEEK BEFORE THEY OCCUR.
- 10. ALL RIGHT OF WAY CONSTRUCTION SHALL CONFORM TO CITY STANDARDS.
- 11. ALL STRUCTURAL BMPS SHALL BE ACCESSIBLE FOR INSPECTION AND MAINTENANCE.

LEGEND:

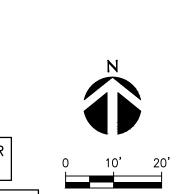
LIMIT OF WORK	— — HYDROLOGY AREA LIMIT
— — — PROPERTY LINE	
CENTER LINE	
EASEMENT LINE	

FIRE DEPARTMENT GENERAL UNDERGROUND NOTES:

- 1. UNDERGROUND PIPING SHALL BE APPROVED AS REQUIRED IN NFPA 24. (NFPA 24 10.1.1)
- 2. IN UNDERGROUND SYSTEM WITH A WORKING PRESSURE OF 150 PSI OR MORE, IF PVC PIPING IS USED, IT SHALL BE CLASS 200 PIPING. (NFPA 24 10.1.5)
- 3. THE FOLLOWING INSPECTIONS ARE REQUIRED TO BE WITNESSED BY THE EL SEGUNDO FIRE DEPARTMENT:
- a. PRE-THRUST b. POST THRUST
- c. HYDROSTATIC TEST (TO BE A MINIMUM 200 PSI OR 50 PSI ABOVE SYSTEM PRESSURE)
- f. SYSTEM FINAL INCLUDING KNOX FDC PLUG INSTALLATION AND VERIFYING ESFD STANDARD FDC AND CONTROL VAVLE SIGNS HAVE BEEN INSTALLED.
- 4. INSTALLATION, INSPECTION AND TESTING SHALL CONFORM TO THE 2013 EDITION OF NFPA STANDARD 13 AND THE 2010 EDITION OF NFPA STANDARD 24.

5. PROVIDE NOTE THAT THE VALVES AND WATER FLOW DEVICES ARE TO BE MONITORED ELECTRONICALLY

- TO AN APPROVED LOCATION (CFC 903.4) 6. APPROVED FIRE DEPARTMENT CONNECTIONS (FDC) SHALL BE LOCATED WITHIN 80 FEET OF A PUBLIC FIRE HYDRANT. THE FDC SHALL BE ORIENTED TO FACE THE FIRE DEPARTMENT ACCESS ROAD. THE FDC
- SHALL BE PROPERLY SUPPORTED AND SHALL BE PROTECTED FROM MECHANICAL INJURY. THE SIZE OF PIPING AND THE NUMBER OF INLETS SHALL BE APPROVED BY THE CHIEF. IF ACCEPTABLE TO THE WATER AUTHORITY, IT MAY BE INSTALLED ON THE BACKFLOW ASSEMBLY. FIRE DEPARTMENT INLET CONNECTIONS SHALL BE PAINTED OSHA SAFETY RED.
- 7. PRIVATE FIRE HYDRANTS ARE TO BE PAINTED RED. (CFC 102.9, ESFD FPR H-2-a) (NFPA 24 10.10.2)
- 8. KNOX COMPANY LOCKING FDC PLUGS ARE TO BE INSTALLED ON EACH FDC INLET (CFC 912.3.1)
- 9. EACH FDC IS TO IDENTIFIED WITH AN ESFD STANDARD FDC SIGN. (CFC 509.1)



TO BE PERMITTED UNDER G-0019-15. SHOWN FOR REFERENCE ONLY IN OTHER PERMIT SUBMITTALS ALL WORK IN PUBLIC RIGHT OF WAY MUST BE APPROVED BY PUBLIC WORKS AND REQUIRES AN ENCROACHMENT PERMIT.

SCALE: 1"=20'

C-151

12/12/14

01/19/15

07/15/15

08/07/15

08/12/15

09/18/15

10/09/15

10/16/15

10/30/15

11/20/15

01/08/16

01/22/16

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160 WEST FORT, SUITE 400, DETROIT, MICHIGAN 48226

PERKINS+WILL

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Lakers

El Segundo, California 90245

Los Angeles, CA 90045 O: 310.665.2800

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No. C62048

Exp. 9/30/17

Professional Seal

Description

DD Package

Plan Check

Grading Permit

50% CD'S for Pricing

Foundation and Utilities Permit

Back-Check #1-Fnd & Utility

ASI 004 (Fndn Const.)

Back-Check #2-ASI 008

Issued for Construction-ASI 010

Back-Check #1

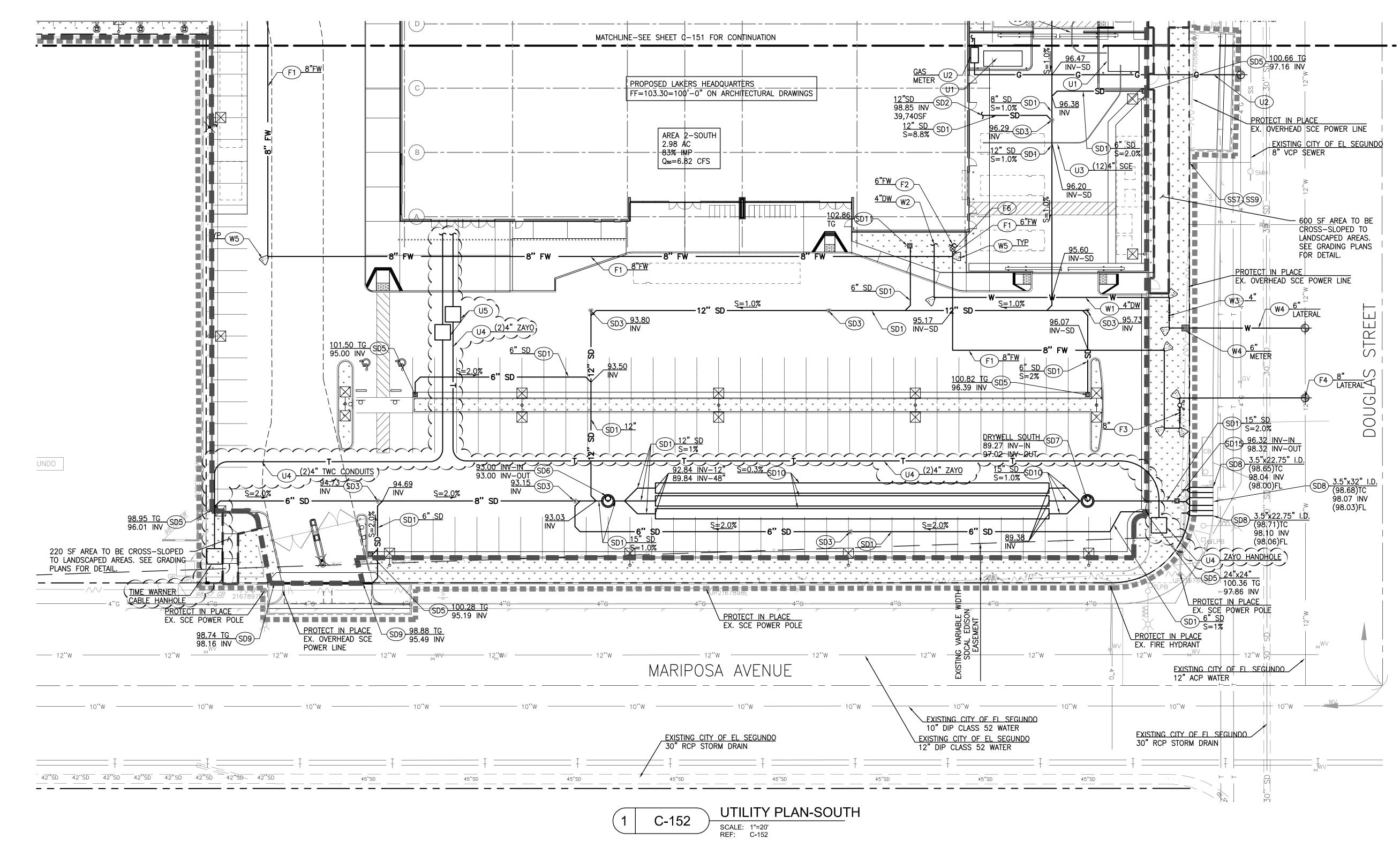
75% DD Pricing Package

Sheet Title

Project Number 114075

UTILITY PLAN-NORTH

Sheet Number



UTILITY CONSTRUCTION NOTES: SEE SHEET C-151 FOR NOTES NOT SHOWN

SD1) INSTALL PVC, SDR-35 STORM DRAIN PIPE PER DETAIL 1, SHEET C-501. SIZE AND SLOPE PER PLAN.

SD2 POINT OF CONNECTION 5 FEET FROM BUILDING FACE. SEE PLUMBING DRAWINGS FOR CONTINUATION.

(SD3) INSTALL CLEANOUT PER DETAIL 2, SHEET C-501.

(SD5) INSTALL 18"x18" PRECAST CONCRETE TRAFFIC RATED CATCH BASIN BY JENSEN PRECAST PRODUCTS OR APPROVED EQUIVALENT. LABEL WITH NO DUMPING STENCIL PER DETAIL 3, SHEET C-502.

SD6 INSTALL CDS UNIT BY CONTECH OR APPROVED EQUAL PER DETAIL 1, SHEET C-501.

SD7 INSTALL MAXWELL IV DRYWELL BY TORRENT RESOURCES OR APPROVED EQUAL PER DETAIL 2, SHEET C-501.

SD8) INSTALL UNDER SIDEWALK RECTANGULAR DRAIN PIPE BY FOUNDRY SERVICE AND SUPPLIES OR APPROVED EQUAL SLOPE=2.0%. SIZE PER

SD9 INSTALL 12" TRAFFIC RATED TRENCH DRAIN BY NDS PRODUCTS OR APPROVED EQUAL.

\$D10 INSTALL 48" DIAMETER HDPE DETENTION PIPE OR APPROVED EQUIVALENT.

(SD1) INSTALL 6" PLASTIC PLANTER DRAIN BY NDS OR APPROVED ر EQUIVALENT.

(D15) INSTALL 18"x18" PRECAST OPEN BOTTOM CATCH BASIN BY JENSEN PRECAST PRODUCTS OR APPROVED EQUIVALENT. LABEL WITH "NO DUMPING" STENCIL PER DETAIL 3, SHEET C-502.

(\$S9) VERIFY EXISTING SEWER LATERAL IS ABANDONED AND CAP AS REQUIRED.

(W1) INSTALL PVC C-900 DOMESTIC WATER PIPE PER DETAIL 1, SHEET

(W2) POINT OF CONNECTION 5 FEET FROM BUILDING FACE. SEE PLUMBING

(W3) INSTALL BACKFLOW PREVENTION DEVICE. PER DETAIL 4, SHEET C-501.

PER EL SEGUNDO PLANS WT-15 AND WT-14. LATERAL TO BE 6" C52

DUCTILE IRON WITH ABOVE GROUND REDUCER UPSTREAM OF METER.

(W4) CONTRACTOR TO ORDER AND INSTALL 4" DOMESTIC WATER SERVICE

(W5) INSTALL THRUST BLOCKS PER DETAIL 3, SHEET C-501.

STANDARD PLAN WT-11.

C-501. SIZE PER PLAN.

DRAWINGS FOR CONTINUATION.

(\$\$7) RESURFACE SEWER LATERAL TRENCH PER CITY OF EL SEGUNDO

(F1) INSTALL PVC C-900 FIRE WATER PIPE PER DETAIL 1, SHEET C-501. SIZE AND MATERIAL PER PLAN.

> (F2) POINT OF CONNECTION 5 FEET FROM BUILDING FACE. SEE PLUMBING DRAWINGS FOR CONTINUATION.

(F3) BACKFLOW PREVENTION DEVICE. PER DETAIL 7, SHEET C-501.

(F4) CONTRACTOR TO ORDER AND INSTALL 8" FIRE WATER SERVICE PER EL SEGUNDO PLANS WT-8 AND WT-14. LATERAL TO BE 8" C52 DUCTILE IRON.

(F6) INSTALL POST INDICATOR VALVE PER DETAIL 6, SHEET C5.02.

OTHER UTILITIES

(U1) ELECTRICAL TRANSFORMER/GENERATOR. SEE ELECTRICAL DRAWINGS FOR DETAILS AND SPECIFICATIONS. SHOWN FOR COORDINATION PURPOSES

U2 GAS LINE BY GAS COMPANY. SHOWN FOR COORDINATION PURPOSES

(U3) ELECTRICAL CONDUITS. SEE SCE DRAWINGS FOR DETAIL AND SPECIFICATIONS. SHOWN FOR COORDINATION PURPOSES ONLY.

(U4) LOW VOLTAGE CONDUITS. SEE SC DRAWINGS FOR DETAIL AND

SPECIFICATIONS. REFER TO AT&T, ZAYO AND TWC AS NEEDED. (U5) 4'x4' TELECOM HANDHOLE WITH TRAFFIC RATED LID. SEE ELECTRICAL DRAWINGS FOR DETAILS AND SPECIFICATIONS.

B C D E F

CITY OF EL SEGUNDO PUBLIC WORKS CONSTRUCTION NOTES:

- 1. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED CITY ENCROACHMENT PERMITS FROM THE PUBLIC WORKS DEPARTMENT BEFORE COMMENCING ANY WORK IN THE PUBLIC RIGHT-OF-WAY, INCLUDING LANE CLOSURE. CONTACT NICK PETREVSKI FOR PERMIT REQUIREMENTS AND ASSOCIATED FEES AT (310)524-2360.
- 2. THE APPLICANT SHALL REPAIR ANY DAMAGE TO PUBLIC STREETS AND/OR SIDEWALKS DUE TO CONSTRUCTION OR BY CONSTRUCTION VEHICLES TRAVELING TO OR FROM THE PROJECT SITE, BEFORE THE PERMIT CAN BE FINALIZED.
- 3. ALL CONSTRUCTION RELATED PARKING SHALL BE ACCOMMODATED ON-SITE. NO CONSTRUCTION
- RELATED PARKING SHALL BE PERMITTED OFF-SITE. 4. CONTACT JAMES TURNER AT (310)524-2742 OF WATER DIVISION REGARDING ANY PROPOSED
- WATER SYSTEM UPGRADES (WATER METERS, WATER LATERALS, ETC.) 5. NO DIRECT DRAINAGE CONNECTION SHALL BE MADE TO THE CITY'S CATCH BASINS OR STORM
- 6. NO PARKWAY TREES ARE TO BE REMOVED WITHOUT RECREATION AND PARKS DEPARTMENT
- APPROVAL. CONTACT STREET TREE SUPERINTENDENT MARK TRUJILLO AT (310)524-2716. 7. PG-64-10 TACK COAT AND HOT MIX ASPHALT SHALL BE USED FOR ALL SLOT PAVING
- REQUIRED NEXT TO NEW CONCRETE. SLOT PAVING SHALL BE 3 FEET WIDE AND 1 FOOT DEEP, CONSISTING OF 6 INCHES OF ASPHALT OVER 6 INCHES OF BASE. 8. NONSTANDARD BOULDERS OR HARDSCAPE ARE NOT ALLOWED ON THE PUBLIC-RIGHT-WAY.
- 9. THE DEVELOPER OR CONTRACTOR SHALL INFORM ALL NEIGHBORING PROPERTIES IN WRITING OF
- ANY STREET LANE CLOSURES OR OTHER SIGNIFICANT TRAFFIC IMPACTS ON THE ADJACENT STREETS AT LEAST ONE WEEK BEFORE THEY OCCUR.
- 10. ALL RIGHT OF WAY CONSTRUCTION SHALL CONFORM TO CITY STANDARDS.
- 11. ALL STRUCTURAL BMPS SHALL BE ACCESSIBLE FOR INSPECTION AND MAINTENANCE.

LEGEND:

DRAIN SYSTEM.

— — — — — LIMIT OF WORK - HYDROLOGY AREA LIMIT — — — PROPERTY LINE —— — CENTER LINE

----FW------ PROPOSED FIRE WATER

——— EASEMENT LINE

——SD—— PROPOSED STORM DRAIN

FIRE DEPARTMENT GENERAL UNDERGROUND NOTES:

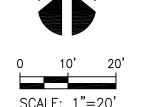
- 1. UNDERGROUND PIPING SHALL BE APPROVED AS REQUIRED IN NFPA 24. (NFPA 24 10.1.1)
- 2. IN UNDERGROUND SYSTEM WITH A WORKING PRESSURE OF 150 PSI OR MORE, IF PVC PIPING IS USED, IT SHALL BE CLASS 200 PIPING. (NFPA 24 10.1.5)
- 3. THE FOLLOWING INSPECTIONS ARE REQUIRED TO BE WITNESSED BY THE EL SEGUNDO FIRE
- DEPARTMENT: a. PRE-THRUST
- b. POST THRUST c. HYDROSTATIC TEST (TO BE A MINIMUM 200 PSI OR 50 PSI ABOVE SYSTEM PRESSURE) d. PIPE FLUSH
- e. FLOW TEST f. SYSTEM FINAL INCLUDING KNOX FDC PLUG INSTALLATION AND VERIFYING ESFD STANDARD FDC AND
- CONTROL VAVLE SIGNS HAVE BEEN INSTALLED. 4. INSTALLATION, INSPECTION AND TESTING SHALL CONFORM TO THE 2013 EDITION OF NFPA STANDARD 13
- 5. PROVIDE NOTE THAT THE VALVES AND WATER FLOW DEVICES ARE TO BE MONITORED ELECTRONICALLY TO AN APPROVED LOCATION (CFC 903.4)
- 6. APPROVED FIRE DEPARTMENT CONNECTIONS (FDC) SHALL BE LOCATED WITHIN 80 FEET OF A PUBLIC FIRE HYDRANT. THE FDC SHALL BE ORIENTED TO FACE THE FIRE DEPARTMENT ACCESS ROAD. THE FDC SHALL BE PROPERLY SUPPORTED AND SHALL BE PROTECTED FROM MECHANICAL INJURY. THE SIZE OF PIPING AND THE NUMBER OF INLETS SHALL BE APPROVED BY THE CHIEF. IF ACCEPTABLE TO THE WATER AUTHORITY, IT MAY BE INSTALLED ON THE BACKFLOW ASSEMBLY. FIRE DEPARTMENT INLET CONNECTIONS SHALL BE PAINTED OSHA SAFETY RED.
- 7. PRIVATE FIRE HYDRANTS ARE TO BE PAINTED RED. (CFC 102.9, ESFD FPR H-2-a) (NFPA 24 10.10.2)

AND THE 2010 EDITION OF NFPA STANDARD 24.

- 8. KNOX COMPANY LOCKING FDC PLUGS ARE TO BE INSTALLED ON EACH FDC INLET (CFC 912.3.1)
- 9. EACH FDC IS TO IDENTIFIED WITH AN ESFD STANDARD FDC SIGN. (CFC 509.1)

TO BE PERMITTED UNDER G-0019-15. SHOWN FOR REFERENCE ONLY IN OTHER PERMIT SUBMITTALS ALL WORK IN PUBLIC RIGHT OF WAY MUST BE APPROVED BY

PUBLIC WORKS AND REQUIRES AN ENCROACHMENT PERMIT.



Telephone. 313.463.5151 ROSSETTI.COM Fax. 313.463.5160

PERKINS+WILL

Los Angeles Lakers Headquarters

2275 Maripossa El Segundo, California 90245



Professional Seal



	No.	Description	Date
	1	75% DD Pricing Package	12/12/14
	2	DD Package	01/19/15
	3	Grading Permit	07/15/15
	4	50% CD'S for Pricing	08/07/15
5	5	Foundation and Utilities Permit	08/12/15
	6	Plan Check	09/18/15
	7	SCE Submission	10/02/15
	8	Back-Check #1-Fnd & Utility	10/09/15
	9	ASI 003	10/16/15
	10	ASI 004 (Fndn Const.)	10/30/15
	11	Back-Check #1	11/20/15
	12	Back-Check #2-ASI 008	01/08/16
	13	Issued for Construction-ASI 010	01/22/16
	13	ASI 011	02/05/16
6			

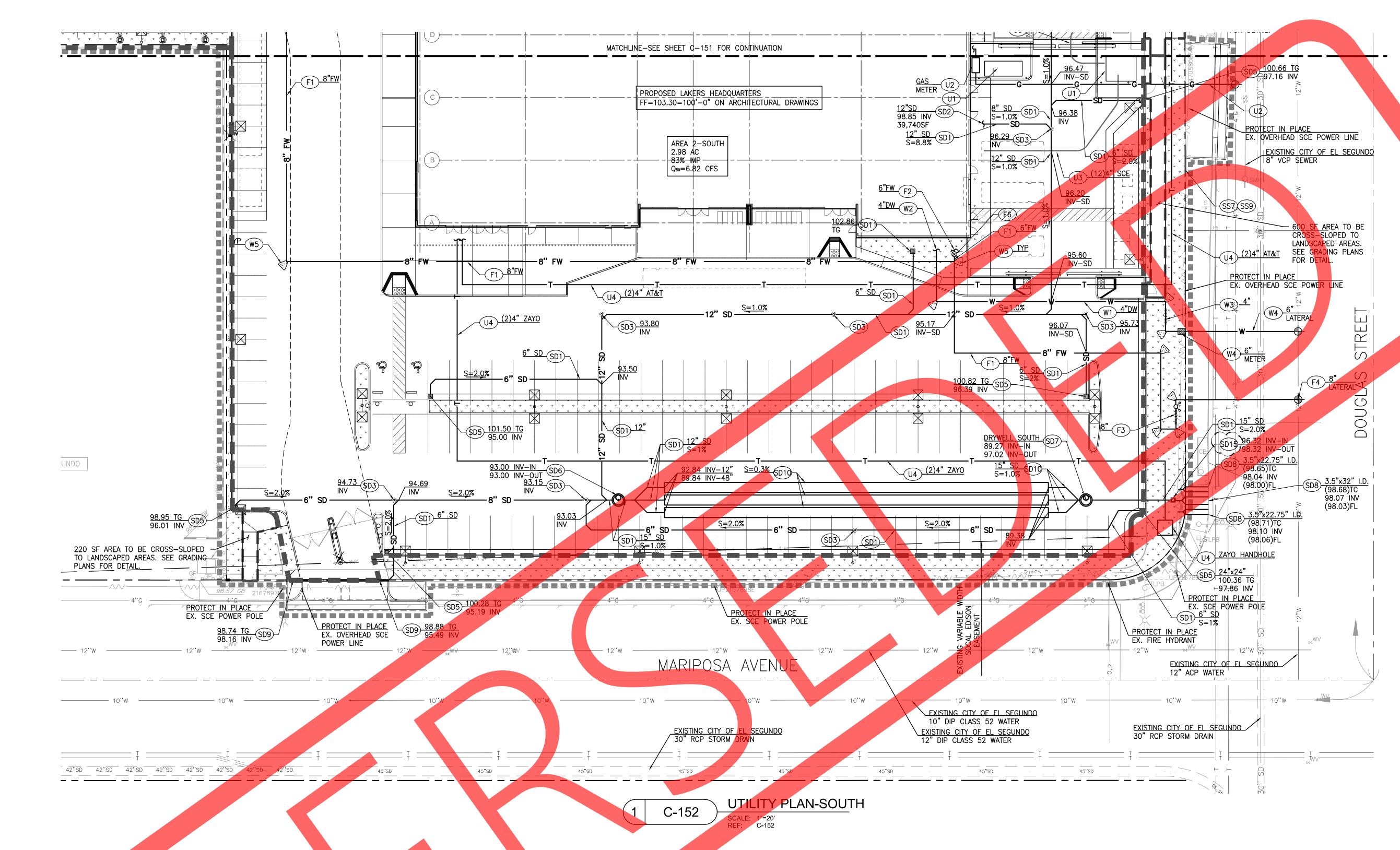
Key Plan CAMPUS DRIVE (PRIVATE)

UTILITY PLAN-SOUTH

Project Number 114075

C-152

Sheet Number



UTILITY CONSTRUCTION NOTES: SEE SHEET C-151 FOR NOTES NOT SHOWN

- SD1) INSTALL PVC, SDR-35 STORM DRAIN PIPE PER DETAIL 1, SHEET C-501. SIZE AND SLOPE PER PLAN.
- SD2 POINT OF CONNECTION 5 FEET FROM BUILDING FACE. SEE PLUMBING
- DRAWINGS FOR CONTINUATION. (SD3) INSTALL CLEANOUT PER DETAIL 2, SHEET C-501.
- (SD5) INSTALL 18"x18" PRECAST CONCRETE TRAFFIC RATED CATCH BASIN BY JENSEN PRECAST PRODUCTS OR APPROVED EQUIVALENT. LABEL WITH
- NO DUMPING STENCIL PER DETAIL 3, SHEET C-502. SD6 INSTALL CDS UNIT BY CONTECH OR APPROVED EQUAL PER DETAIL SHEET C-501.
- SD7 INSTALL MAXWELL IV DRYWELL BY TORRENT RESOURCES OR APPROVED EQUAL PER DETAIL 2, SHEET C-501.
- SD8) INSTALL UNDER SIDEWALK RECTANGULAR DRAIN PIPE BY FOUNDRY SERVICE AND SUPPLIES OR APPROVED EQUAL SLOPE=2.0%. SIZE PER
- (SD9) INSTALL 12" TRAFFIC RATED TRENCH DRAIN BY NDS PRODU APPROVED EQUAL.
- ©D10 INSTALL 48" DIAMETER HDPE DETENTION PIPE OR APPROVED EQUIVALENT.
- SD1) INSTALL 6 EQUIVALEN C PLANTER DRAIN BY NDS OR APPROVED

DUMPING" STENCIL PER DETAIL 3, SHEET C-502.

(SD15) INSTALL 18"x18" PRECAST OPEN BOTTOM CATCH BASIN BY JENSEN PRECAST PRODUCTS OR APPROVED EQUIVALENT. LABEL WITH "NO

- (SS7) RESURFACE SEWER LA L TRENCH PER CITY OF EL SEGUNDO STANDARD PLAN W
- G SEWER LATERAL IS ABANDONED AND CAP AS REQUIRED.
- INSTALL PVC C-900 DOMESTIC WATER PIPE PER DETAIL 1, SHEET C-501. SIZE PER PLAN.
- (W2) POINT OF CONNECTION 5 FEET FROM BUILDING FACE. SEE PLUM DRAWINGS FOR CONTINUATION.
- (W3) INSTALL BACKFLOW PREVENTION DEVICE. PER DETAIL 4, SHEET C-5
- ONTRACTOR TO ORDER AND INSTALL 4" DOMESTIC WATER SERVICE EL SEGUNDO PLANS WT-15 AND WT-14. LATERAL TO BE 6" C52 E IRON WITH ABOVE GROUND REDUCER UPSTREAM OF METER.
- (W5) INSTALL THRUST BLOCKS PER DETAIL 3, SHEET C-50

- INSTALL PVC C-900 FIRE WATER PIPE PER DETAIL 1, SHEET C-501. SIZE
- AND MATERIAL PER PLAN
 - POINT OF CONNECTION 5 FEET FROM BUILDING FACE. SEE PLUMBING DRAWINGS FOR CONTINUA
 - BACKFLOW PREVENTION DEVICE. PER DETAIL 7, SHEET C-501.
 - CONTRACTOR TO ORDER AND INSTALL 8" FIRE WATER SERVICE F SEGUNDO PLANS WT-8 AND WT-14. LATERAL TO BE 8" C52 I
 - (F6) INSTALL POST INDICATOR VALVE PER DETAIL 6, SHEE

OTHER UTILITIES

- (U1) ELECTRICAL TRANSFORMER/GENERATOR. EE ELECTRICAL DRAWINGS FOR DETAILS AND SPECIFICATIONS. SHOWN FOR COORDINATION PURPOSES
- GAS LINE BY GAS COMPANY, SHOWN FOR COORDINATION PURPOSES
- (U3) ELECTRICAL CONDUITS. SEE SCE DRAWINGS FOR DETAIL AND IS. SHOWN FOR COORDINATION PURPOSES ONLY.

AGE CONDUITS. SEE LOW VOLTAGE DRAWINGS FOR DETAIL AND CATIONS. REFER TO AT&T, ZAYO AND TWC AS NEEDED.

CITY OF EL NDO PUBLIC WORKS CONSTRUCTION NOTES:

OCIATED FEES AT (310)524-2360.

- R SHALL OBTAIN ALL REQUIRED CITY ENCROACHMENT PERMITS FROM THE PUBLIC PARTMENT BEFORE COMMENCING ANY WORK IN THE PUBLIC RIGHT-OF-WAY, C LANE CLOSURE. CONTACT NICK PETREVSKI FOR PERMIT REQUIREMENTS AND
- THE APPLICANT SHALL REPAIR ANY DAMAGE TO PUBLIC STREETS AND/OR SIDEWALKS DUE TO CONSTRUCTION OR BY CONSTRUCTION VEHICLES TRAVELING TO OR FROM THE PROJECT SITE, BEFORE THE PERMIT CAN BE FINALIZED.
- 3. ALL CONSTRUCTION RELATED PARKING SHALL BE ACCOMMODATED ON-SITE. NO CONSTRUCTION
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- 7. PG-64-10 TACK COAT AND HOT MIX ASPHALT SHALL BE USED FOR ALL SLOT PAVING REQUIRED NEXT TO NEW CONCRETE. SLOT PAVING SHALL BE 3 FEET WIDE AND 1 FOOT DEEP,

CONSISTING OF 6 INCHES OF ASPHALT OVER 6 INCHES OF BASE.

- 8. NONSTANDARD BOULDERS OR HARDSCAPE ARE NOT ALLOWED ON THE PUBLIC-RIGHT-WAY.
- 9. THE DEVELOPER OR CONTRACTOR SHALL INFORM ALL NEIGHBORING PROPERTIES IN WRITING OF ANY STREET LANE CLOSURES OR OTHER SIGNIFICANT TRAFFIC IMPACTS ON THE ADJACENT STREETS AT LEAST ONE WEEK BEFORE THEY OCCUR.
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LEGEND:

— — — — — LIMIT OF WORK - HYDROLOGY AREA LIMIT — — — PROPERTY LINE

----- CENTER LINE

——— EASEMENT LINE

——SD——— PROPOSED STORM DRAIN

——G—— PROPOSED GAS

----FW------ PROPOSED FIRE WATER

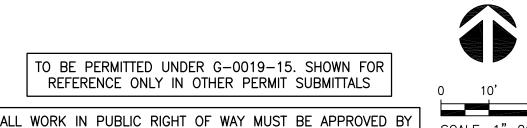
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- DEPARTMENT: a. PRE-THRUST
- b. POST THRUST c. HYDROSTATIC TEST (TO BE A MINIMUM 200 PSI OR 50 PSI ABOVE SYSTEM PRESSURE)
- d. PIPE FLUSH e. FLOW TEST f. SYSTEM FINAL INCLUDING KNOX FDC PLUG INSTALLATION AND VERIFYING ESFD STANDARD FDC AND CONTROL VAVLE SIGNS HAVE BEEN INSTALLED.
- 4. INSTALLATION, INSPECTION AND TESTING SHALL CONFORM TO THE 2013 EDITION OF NFPA STANDARD 13 AND THE 2010 EDITION OF NFPA STANDARD 24.
- 5. PROVIDE NOTE THAT THE VALVES AND WATER FLOW DEVICES ARE TO BE MONITORED ELECTRONICALLY TO AN APPROVED LOCATION (CFC 903.4)
- 6. APPROVED FIRE DEPARTMENT CONNECTIONS (FDC) SHALL BE LOCATED WITHIN 80 FEET OF A PUBLIC FIRE HYDRANT. THE FDC SHALL BE ORIENTED TO FACE THE FIRE DEPARTMENT ACCESS ROAD. THE FDC SHALL BE PROPERLY SUPPORTED AND SHALL BE PROTECTED FROM MECHANICAL INJURY. THE SIZE OF PIPING AND THE NUMBER OF INLETS SHALL BE APPROVED BY THE CHIEF. IF ACCEPTABLE TO THE WATER AUTHORITY, IT MAY BE INSTALLED ON THE BACKFLOW ASSEMBLY. FIRE DEPARTMENT INLET CONNECTIONS SHALL BE PAINTED OSHA SAFETY RED.
- 7. PRIVATE FIRE HYDRANTS ARE TO BE PAINTED RED. (CFC 102.9, ESFD FPR H-2-a) (NFPA 24 10.10.2)
- 8. KNOX COMPANY LOCKING FDC PLUGS ARE TO BE INSTALLED ON EACH FDC INLET (CFC 912.3.1)

9. EACH FDC IS TO IDENTIFIED WITH AN ESFD STANDARD FDC SIGN. (CFC 509.1)

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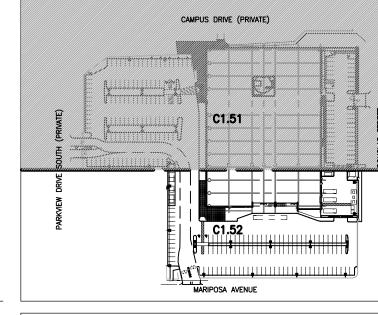


Professional Seal



	No.	Description	Date
	1	75% DD Pricing Package	12/12/14
	2	DD Package	01/19/15
	3	Grading Permit	07/15/15
	4	50% CD'S for Pricing	08/07/15
5	5	Foundation and Utilities Permit	08/12/15
	6	Plan Check	09/18/15
	7	SCE Submission	10/02/15
	8	Back-Check #1-Fnd & Utility	10/09/15
	9	ASI 003	10/16/15
	10	ASI 004 (Fndn Const.)	10/30/15
	11	Back-Check #1	11/20/15
	12	Back-Check #2-ASI 008	01/08/16
	13	Issued for Construction-ASI 010	01/22/16
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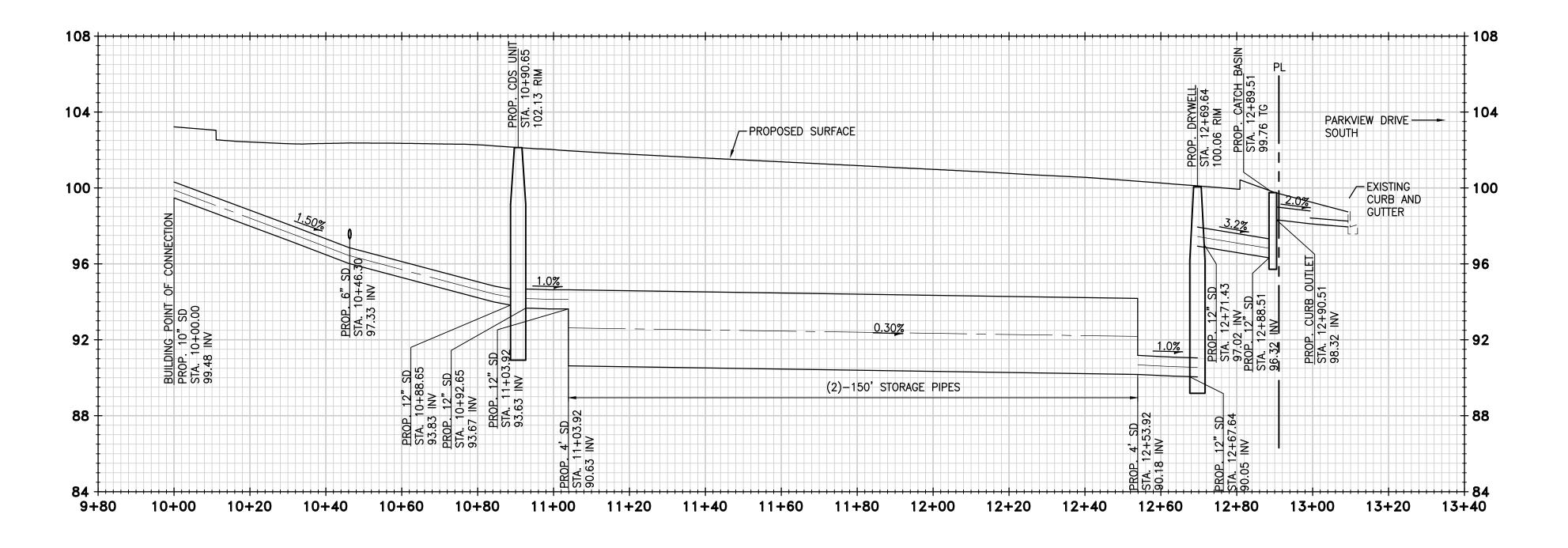
Key Plan



UTILITY PLAN-SOUTH

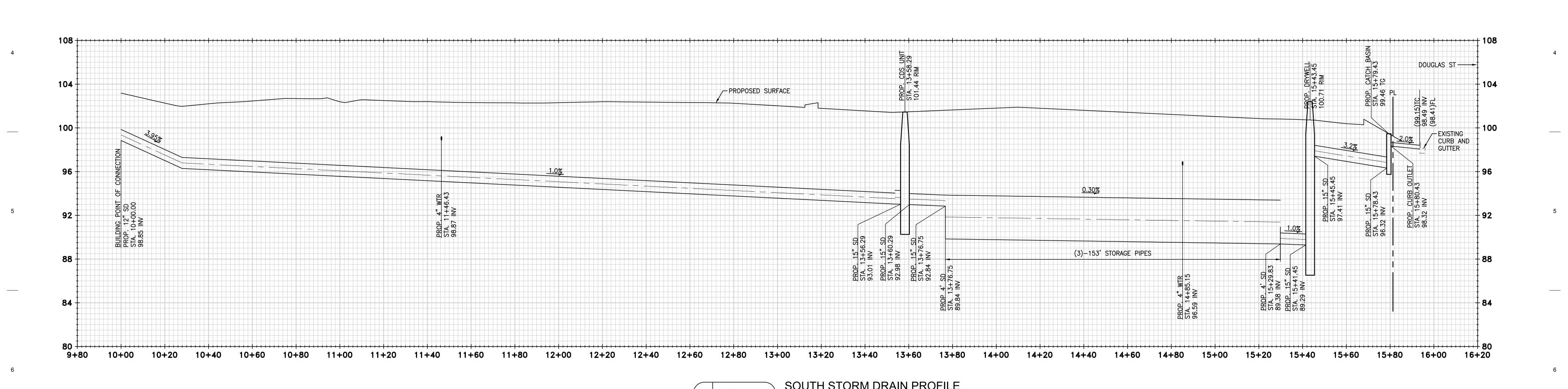
114075

C-152



NORTH STORM DRAIN PROFILE

SCALE: H:1"=20' V:1"=4'
REF: C-151



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ALL WORK IN PUBLIC RIGHT OF WAY MUST BE APPROVED BY PUBLIC WORKS AND REQUIRES AN ENCROACHMENT PERMIT.

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8	ASI 003	10/16/15		
9	Back-Check #1	11/20/15		
10	Back-Check #2-ASI 008	01/08/16		
11	Issued for Construction-ASI 010	01/22/16		
Key Plan				

Sheet Title

STORM DRAIN PROFILES

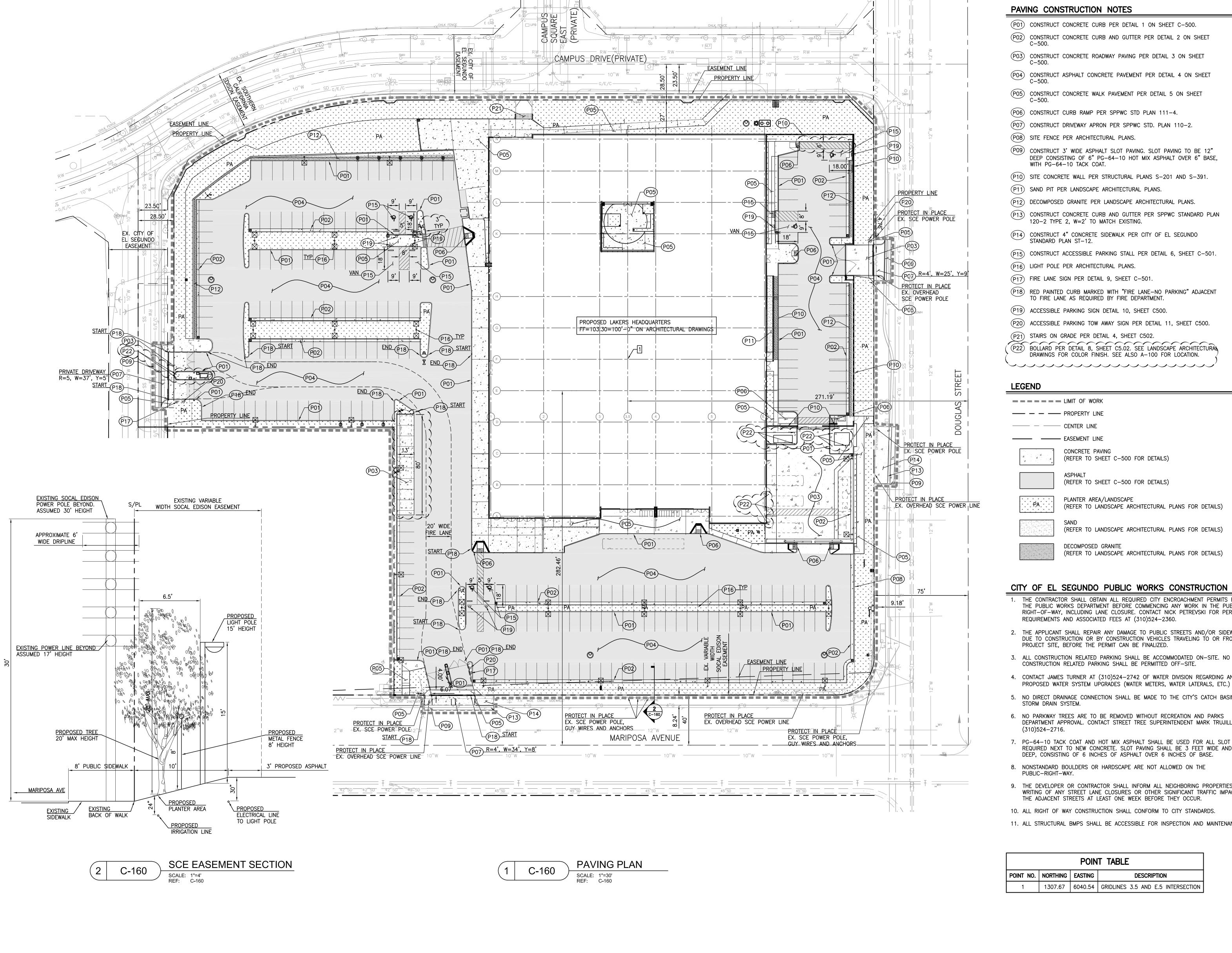
Project Number 114075

Sheet Number

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C-153

P:\2014\114075 Los Angeles Lakers Training Facility\DWG\SHEET\114075-C-153UT.dwg, Jan 21, 2016



PAVING CONSTRUCTION NOTES

- (P01) CONSTRUCT CONCRETE CURB PER DETAIL 1 ON SHEET C-500.
- PO2 CONSTRUCT CONCRETE CURB AND GUTTER PER DETAIL 2 ON SHEET
- PO3 CONSTRUCT CONCRETE ROADWAY PAVING PER DETAIL 3 ON SHEET
- PO4 CONSTRUCT ASPHALT CONCRETE PAVEMENT PER DETAIL 4 ON SHEET
- PO5 CONSTRUCT CONCRETE WALK PAVEMENT PER DETAIL 5 ON SHEET C-500.
- (P06) CONSTRUCT CURB RAMP PER SPPWC STD PLAN 111-4.
- (P07) CONSTRUCT DRIVEWAY APRON PER SPPWC STD. PLAN 110-2.
- (P08) SITE FENCE PER ARCHITECTURAL PLANS.
- (P09) CONSTRUCT 3' WIDE ASPHALT SLOT PAVING. SLOT PAVING TO BE 12" DEEP CONSISTING OF 6" PG-64-10 HOT MIX ASPHALT OVER 6" BASE, WITH PG-64-10 TACK COAT.
- (P10) SITE CONCRETE WALL PER STRUCTURAL PLANS S-201 AND S-391.
- (P11) SAND PIT PER LANDSCAPE ARCHITECTURAL PLANS.
- (P12) DECOMPOSED GRANITE PER LANDSCAPE ARCHITECTURAL PLANS.
- (P13) CONSTRUCT CONCRETE CURB AND GUTTER PER SPPWC STANDARD PLAN 120-2 TYPE 2, W=2' TO MATCH EXISTING.
- (P14) CONSTRUCT 4" CONCRETE SIDEWALK PER CITY OF EL SEGUNDO
- STANDARD PLAN ST-12.
- (P15) CONSTRUCT ACCESSIBLE PARKING STALL PER DETAIL 6, SHEET C-501
- (P16) LIGHT POLE PER ARCHITECTURAL PLANS.
- (P17) FIRE LANE SIGN PER DETAIL 9, SHEET C-501.
- P18) RED PAINTED CURB MARKED WITH "FIRE LANE-NO PARKING" ADJACENT TO FIRE LANE AS REQUIRED BY FIRE DEPARTMENT.
- (P19) ACCESSIBLE PARKING SIGN DETAIL 10, SHEET C500.

= = = = = LIMIT OF WORK

—— — — PROPERTY LINE

——— EASEMENT LINE

CONCRETE PAVING (REFER TO SHEET C-500 FOR DETAILS)

(REFER TO SHEET C-500 FOR DETAILS) PLANTER AREA/LANDSCAPE

(REFER TO LANDSCAPE ARCHITECTURAL PLANS FOR DETAILS)

(REFER TO LANDSCAPE ARCHITECTURAL PLANS FOR DETAILS)

DECOMPOSED GRANITE

(REFER TO LANDSCAPE ARCHITECTURAL PLANS FOR DETAILS)

CITY OF EL SEGUNDO PUBLIC WORKS CONSTRUCTION NOTES:

- 1. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED CITY ENCROACHMENT PERMITS FROM THE PUBLIC WORKS DEPARTMENT BEFORE COMMENCING ANY WORK IN THE PUBLIC RIGHT-OF-WAY, INCLUDING LANE CLOSURE. CONTACT NICK PETREVSKI FOR PERMIT REQUIREMENTS AND ASSOCIATED FEES AT (310)524-2360.
- 2. THE APPLICANT SHALL REPAIR ANY DAMAGE TO PUBLIC STREETS AND/OR SIDEWALKS DUE TO CONSTRUCTION OR BY CONSTRUCTION VEHICLES TRAVELING TO OR FROM THE PROJECT SITE, BEFORE THE PERMIT CAN BE FINALIZED.
- 3. ALL CONSTRUCTION RELATED PARKING SHALL BE ACCOMMODATED ON-SITE. NO CONSTRUCTION RELATED PARKING SHALL BE PERMITTED OFF-SITE.
- 4. CONTACT JAMES TURNER AT (310)524-2742 OF WATER DIVISION REGARDING ANY
- 5. NO DIRECT DRAINAGE CONNECTION SHALL BE MADE TO THE CITY'S CATCH BASINS OR STORM DRAIN SYSTEM.
- 6. NO PARKWAY TREES ARE TO BE REMOVED WITHOUT RECREATION AND PARKS DEPARTMENT APPROVAL. CONTACT STREET TREE SUPERINTENDENT MARK TRUJILLO AT
- (310)524-2716.7. PG-64-10 TACK COAT AND HOT MIX ASPHALT SHALL BE USED FOR ALL SLOT PAVING REQUIRED NEXT TO NEW CONCRETE. SLOT PAVING SHALL BE 3 FEET WIDE AND 1 FOOT
- 8. NONSTANDARD BOULDERS OR HARDSCAPE ARE NOT ALLOWED ON THE
- 9. THE DEVELOPER OR CONTRACTOR SHALL INFORM ALL NEIGHBORING PROPERTIES IN WRITING OF ANY STREET LANE CLOSURES OR OTHER SIGNIFICANT TRAFFIC IMPACTS ON THE ADJACENT STREETS AT LEAST ONE WEEK BEFORE THEY OCCUR.
- 10. ALL RIGHT OF WAY CONSTRUCTION SHALL CONFORM TO CITY STANDARDS.
- 11. ALL STRUCTURAL BMPS SHALL BE ACCESSIBLE FOR INSPECTION AND MAINTENANCE.

POINT TABLE					
POINT NO.	NORTHING	EASTING	DESCRIPTION		
1	1307.67	6040.54	GRIDLINES 3.5 AND E.5 INTERSECTION		

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Sheet Number

PAVING PLAN

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Headquarters

Lakers

2275 Maripossa

El Segundo, California 90245

O: 310.665.2800

F:310.665.9075 www.kpff.com

No. Description

2 DD Package

3 Grading Permit

6 Plan Check

8 SCE Submission

10 Back-Check #1

9 ASI 003

Key Plan

1 75% DD Pricing Package

50% CD'S for Pricing

7 Back-Check #1-Fnd & Utility

11 Back-Check #2-ASI 008

12 Issued for Construction-ASI 010

5 | 5 | Foundation and Utilities Permit

No. C62048 Exp. 9/30/17

12/12/14

01/19/15

07/15/15

08/07/15

08/12/15

09/18/15

10/02/15

10/09/15

10/16/15

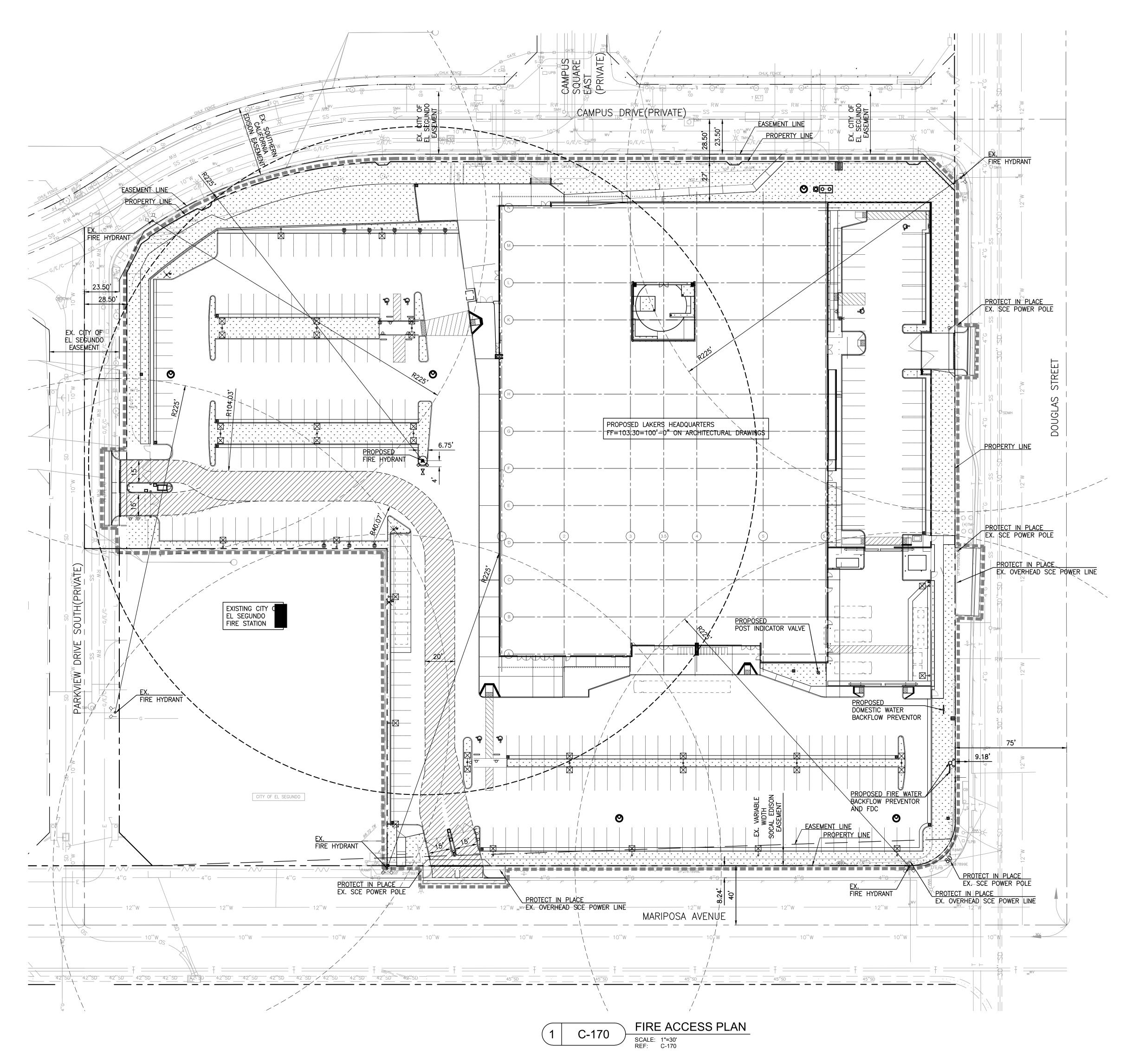
11/20/15

01/08/16

01/22/16

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PUBLIC WORKS AND REQUIRES AN ENCROACHMENT PERMIT.



NOTE TO CONTRACTOR:

1. ESFD STANDARD FIRE LANE — NO PARKING SIGNS ARE TO BE INSTALLED AT ALL PUBLIC ENTRANCES TO THE PROPERTY.

2. ALL CURBS IN THE DESIGNATED FIRE LANE ARE TO BE PAINTED RED AND MARKED WITH "FIRE LANE — NO PARKING" PER ESFD REGULATION A—1—a.

LEGEND

----- LIMIT OF WORK

FIRE ACCESS LANE

PLANTER AREA/LANDSCAPE (REFER TO LANDSCAPE PLANS FOR DETAILS)

EXISTING FIRE HYDRANT

————— PROPOSED FIRE HYDRANT 225' RADIUS LIMITS

---- Existing fire hydrant 225' radius limits

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Professional Seal

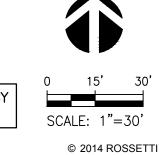


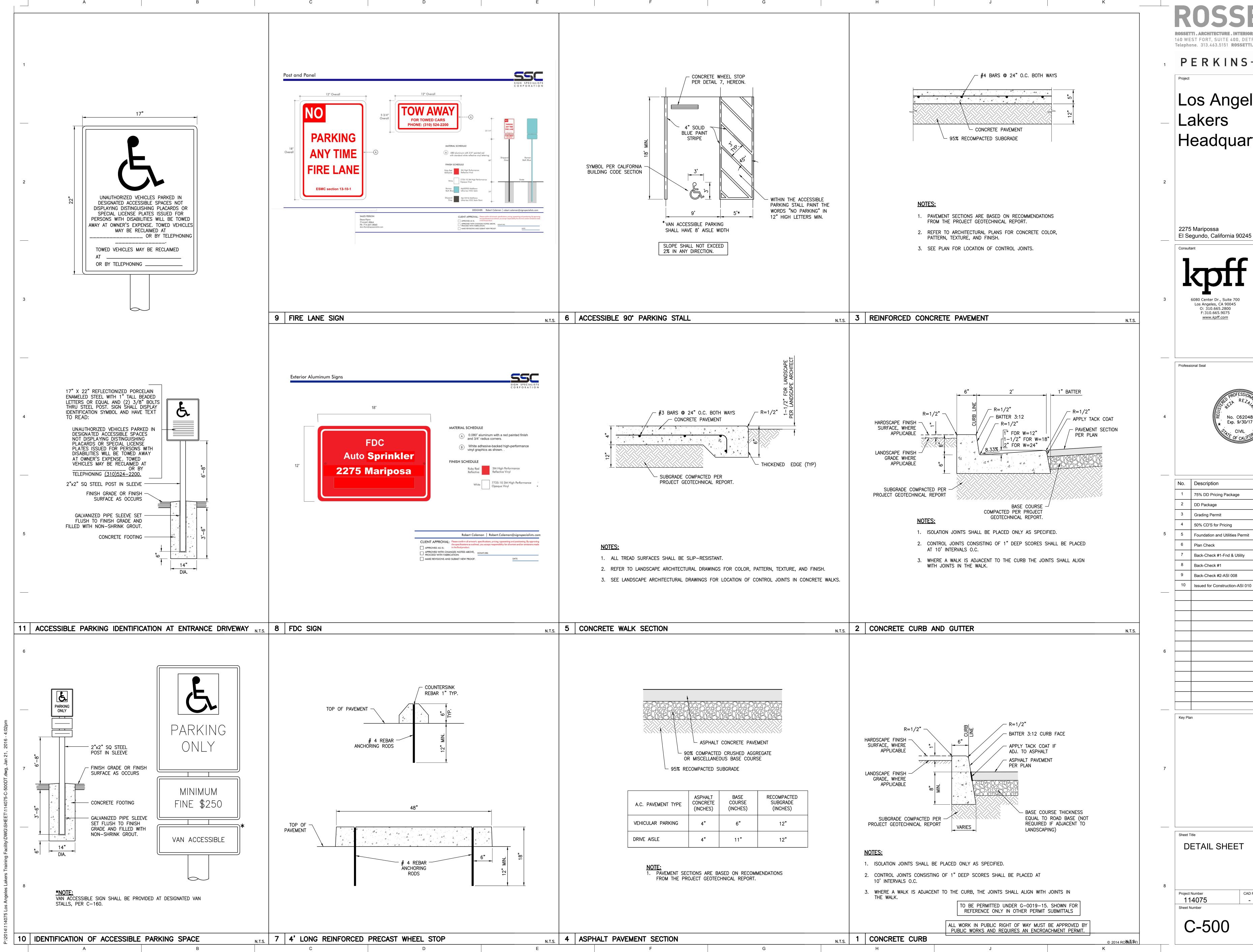
No.	Description	Date		
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Key Plan				

FIRE ACCESS PLAN

114075

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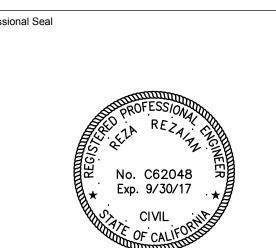


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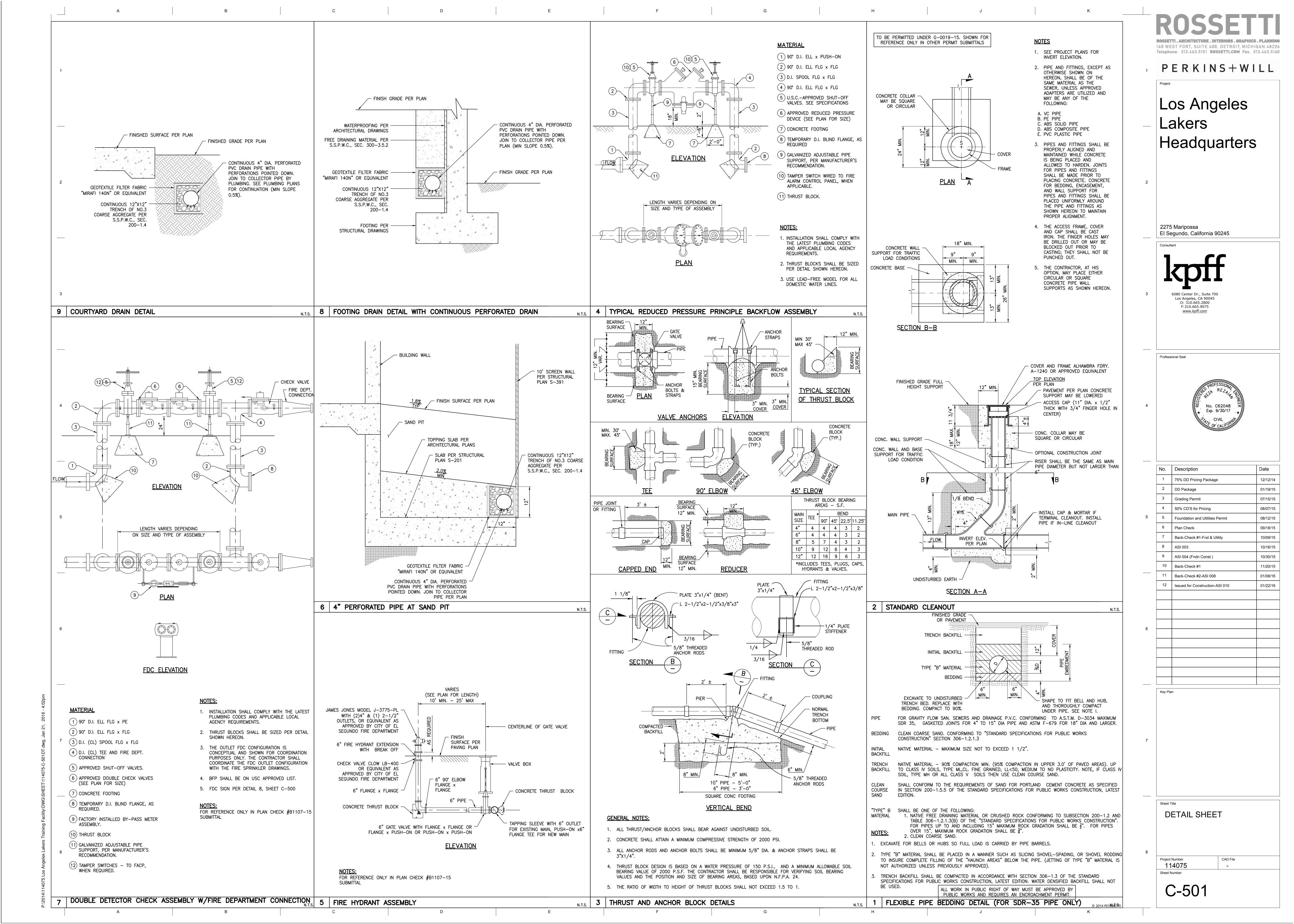
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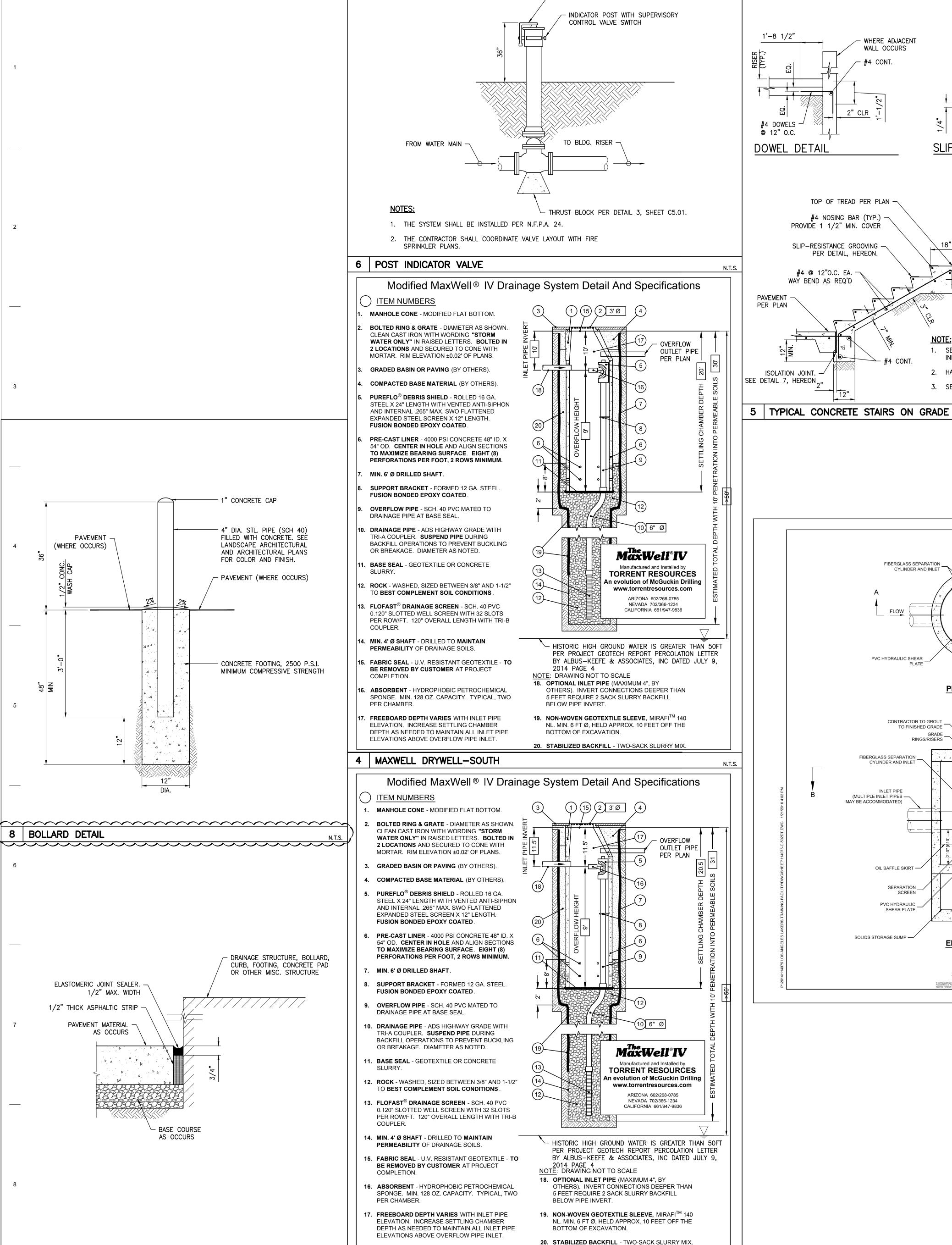




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Key Plan				

CAD File





CONTECH CDS UNIT

— 1" CONCRETE CAP

PAVEMENT

(WHERE OCCURS)

8 BOLLARD DETAIL

ELASTOMERIC JOINT SEALER.

1/2" THICK ASPHALTIC STRIP

PAVEMENT MATERIAL

ISOLATION JOINT AT STRUCTURE

1/2" MAX. WIDTH

AS OCCURS

- BASE COURSE

N.T.S. | 2 | MAXWELL DRYWELL-NORTH

AS OCCURS

4" DIA. STL. PIPE (SCH 40) FILLED WITH CONCRETE. SEÉ

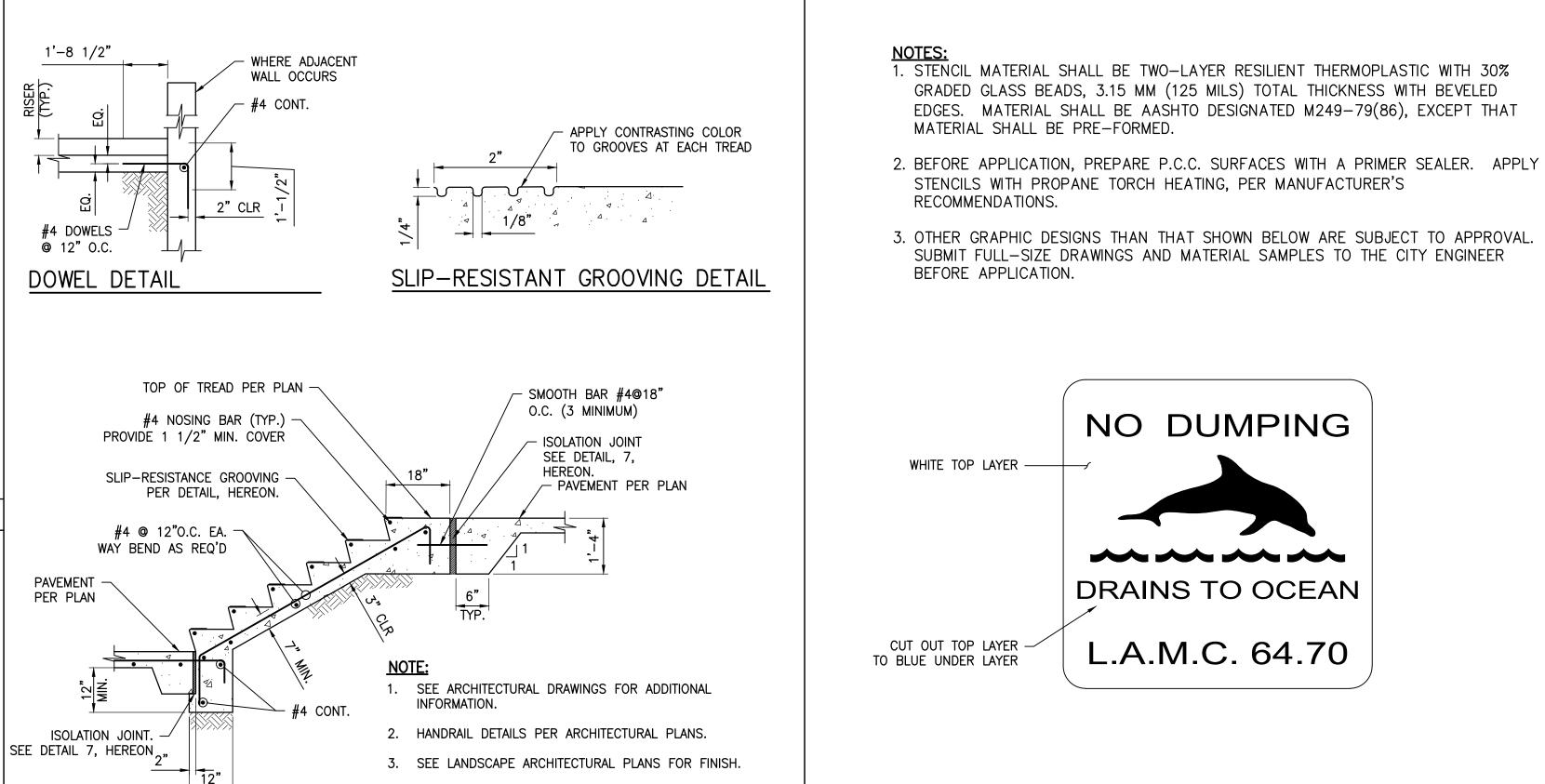
LANDSCAPE ARCHITECTURAL

FOR COLOR AND FINISH.

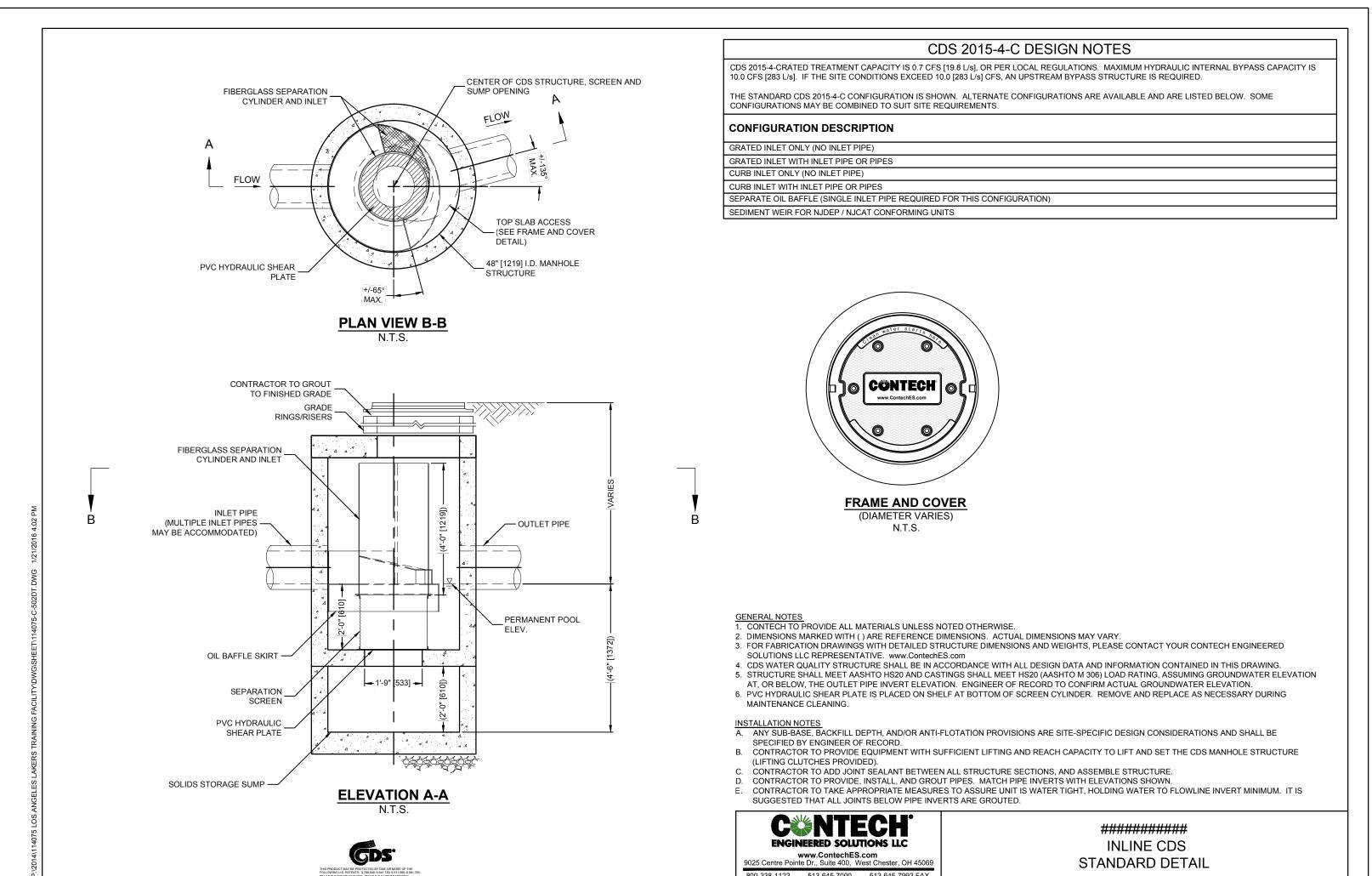
PAVEMENT (WHERE OCCURS)

AND ARCHITECTURAL PLANS

- U.L./F.M. ADJUSTABLE



N.T.S. 3 STENCIL DETAIL



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RIM ELEVATION

SITE SPECIFIC

IPE DATA: I.E. MATERIAL DIAMETER

 NLET PIPE 1
 93.83
 PVC
 12"Ø

 NLET PIPE 2
 NA
 NA
 NA

 DUTLET PIPE
 93.67
 PVC
 12"Ø

ANTI-FLOTATION BALLAST WIDTH HEIGH

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DATA REQUIREMENTS

TER QUALITY FLOW RATE (CFS OR L/s)

TURN PERIOD OF PEAK FLOW (YRS)

SCREEN APERTURE (2400 OR 4700)

OTES/SPECIAL REQUIREMENTS:

PER ENGINEER OF RECORD

SITE SPECIFIC

DATA REQUIREMENTS

PIPE DATA: I.E. MATERIAL DIAMETER

 INLET PIPE 1
 93.01
 PVC
 15"Ø

 INLET PIPE 2
 N/A
 N/A
 N/A

 OUTLET PIPE
 92.98
 PVC
 15"Ø

ANTI-FLOTATION BALLAST WIDTH HEIGH

ATER QUALITY FLOW RATE (CFS OR L/s)

ETURN PERIOD OF PEAK FLOW (YRS)

SCREEN APERTURE (2400 OR 4700)

NOTES/SPECIAL REQUIREMENTS

* PER ENGINEER OF RECORD

RIM ELEVATION

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	10	Back-Check #2-ASI 008	01/08/16
_	11	Issued for Construction-ASI 010	01/22/16
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	Key Pla	n	

DETAIL SHEET

CAD File Project Number 114075 Sheet Number

C-502