

VICINITY MAP

CalTrans Woodside Park & Ride Lot

LOCATION MAP

N.T.S.

PROJECT DIRECTORY:

STEVE FRANK - DISTRICT SUPERINTENDENT WOODSIDE SCHOOL DISTRICT 3195 WOODSIDE ROAD

> WOODSIDE, CA, 94062 (650) 851-1571

(916) 553-4400

(650) 948-0574

PROJECT MANAGER/ TIM DOANE DISTRICT REPRESENTATIVE: CAPITAL PROGRAM MANAGEMENT

1851 HERITAGE LANE, SUITE 210 SACRAMENTO, CA 95815

DALE LEDA - PROJECT MANAGER

BKF ENGINEERS 255 SHORELINE DR. SUITE 200 REDWOOD CITY, CA 94065

(650) 482-6300 SOILS ENGINEER: J. MICHAEL CLEARY

CLEARY CONSULTANTS, INC. 900 N. SAN ANTONIO ROAD LOS ALTOS, CA 4022

PROJECT INFORMATION:

SCOPE OF WORK:

SITE UTILITY INFRASTRUCTURE UPGRADES • REPLACE (E)GAS AND (E)WATER SUPPLY PIPING REPLACE LANDSCAPING, CONCRETE, AND ASPHALT PAVING AS REQUIRED DUE TO UTILITY

PROJECT ADDRESS:

WOODSIDE ELEMENTARY SCHOOL 3195 WOODSIDE RD, WOODSIDE, CA 94062

GROUP E EDUCATION OCCUPANCY CLASSIFICATION: (NO ADDED BUILDING AREA PROPOSED)

APPLICABLE CODES:

2019 CALIFORNIA BUILDING CODE 2019 CALIFORNIA ELECTRICAL CODE 2019 CALIFORNIA MECHANICAL 2019 CALIFORNIA PLUMBING CODE 2019 CALIFORNIA ENERGY CODE 2019 CALIFORNIA FIRE CODE 2019 CALIFORNIA EXISTING BUILDING CODE 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE TITLE 19, CCR, PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS CALIFORNIA HEALTH AND SAFETY CODE, DIVISION 22

NATIONAL REFERENCE STANDARDS
NFPA 13, AUTOMATIC SPRINKLER SYSTEM, 2018 EDITION NFPA 14, INSTALLATION OF STANDPIPE AND HOSE SYSTEMS, 2018 EDITION NFPA 17, DRY CHEMICAL EXTINGUISHING SYSTEMS, 2018 EDITION NFPA 17-A, WET CHEMICAL EXTINGUISHING SYSTEMS, 2018 EDITION NFPA 24, INSTALLATION OF PRIVATE FIRE SERVICE MAINS, 2018 EDITION NFPA 54, NATIONAL FUEL GAS CODE, 2018 EDITION NFPA 72. NATIONAL FIRE ALARM CODE. 2018 EDITION

NFPA 110, EMERGENCY AND STANDBY POWER SYSTEMS, 2018 EDITION **FEMA FLOOD ZONE:**

THE SITE IS LOCATED IN FEMA ZONE X, AREA OF MINIMAL FLOOD HAZARD PER FLOOD MAP

SHEET INDEX

HEET NO.	<u>DESCRIPTION</u>
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ABBREVIATIONS:

AGGREGATE BASE ASPHALT CONCRETE

BACK FLOW PREVENTION DEVICE

DOUBLE DETECTOR CHECK VALVE

FINISHED GROUND ELEVATION

FINISHED SURFACE ELEVATION

AREA DRAIN ATRIUM DRAIN

CENTER LINE

CAST IRON PIPE

DUCTILE IRON PIPE ROOF DOWN SPOUT

EXISTING GRADE

GATE VALVE

JOINT TRENCH JOINT POLE

LINEAR FEET

RIM ELEVATION

STORM DRAIN

SANITARY SEWER

TYPICAL

WATER METER

LOW POINT

LANDSCAPE DRAIN

POST INDICATOR VALVE

POINT OF CONNECTION

STORM DRAIN CLEANOUT

SEE GEOTECHNICAL REPORT

SANITARY SEWER CLEANOUT

STATEMENT OF CONFORMANCE:

Statement of General Conformance

FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED

DESIGN PROFESSIONALS AND/OR CONSULTANTS

have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:

1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and 2) coordination with my plans and specifications and is acceptable for incorporation into

The Statement of General Conformance "shall not be construed as relieving me of my rights, duties, and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 4-336, 4-341 and 4-344" of Title 24, Part 1. (Title 24, Part 1, Section 4-317 [b])

IX is/are in general conformance with the project design intent, and □ is/are in general conformance with the project design intent, and

intent, and

| X| has/have been coordinated with the project plans and | | has/have been coordinated with the project plans and | | has/have been coordinated with the project plans and | | |

License Number

Architect or Engineer delegated responsibility

Expiration Date

X All drawings or sheets listed on the cover or index sheet X This drawing or page

(Application No. _____01-118889 ____ File No. _____

The drawings or sheets listed on the cover or index sheet This drawing, page of specifications/calculations

the construction of this project.

Architect or Engineer designated to be in general responsible charge

TOP OF WALL ELEVATION

PIPE VERTICAL DROP

DOMESTIC WATER LINE

HIGH POINT

DOMESTIC WATER LINE

BEST MANAGEMENT PRACTICES

WOODSIDE ELEMENTARY SCHOOL -UNDERGROUND UTILITY GAS PIPING REPAIR

20 LLS MAPS 18-19

STATE HIGHWAY 84

(WOODSIDE ROAD)

R/W VARIES

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP #: 01-118889

WOODSIDE ELEMENTARY SCHOOL DISTRICT 3195 WOODSIDE ROAD WOODSIDE, CA 94062



Woodside

Elementary

CONTRACTOR BID SET

APRIL 8, 2020

School District APP# 01-118889

Woodside Elementary School **Underground Utility** Gas Piping Repair 3195 Woodside Road





Redwood City, CA 94065 (650) 482-6300

255 Shoreline Drive, Suite 200

Date Issued For 04.08.20 Contractor Bid Set

SCALE: 1" = 60'

20200196-10

ENGINEER OF WORK

ROLAND N.V. HAGA

VICE PRESIDENT

BKF ËNGINEERS

P.E. #43971

LEGEND:

PERFORATED SUB DRAIN

DOMESTIC WATER SERVICE

IRRIGATION SERVICE

VALVE

-⊅

 \Rightarrow

ENGINEER'S STATEMENT

METER BOX

STREET LIGHT

ATRIUM DRAIN

CATCH BASIN

FIRE HYDRANT

BENCHMARK

SPLASH BLOCK

-SHEET LOCATION

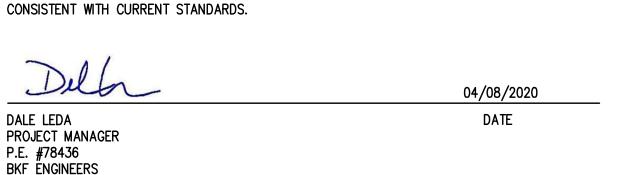
THIS SITE IMPROVEMENT PLAN SUBMITTAL HAS BEEN PREPARED UNDER MY DIRECTION.

MANHOLE

SIGN

FIRE DEPARTMENT CONNECTION

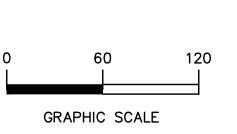
I HEREBY DECLARE THAT I AM THE CIVIL ENGINEER OF WORK FOR THIS PROJECT AND THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THIS PROJECT AS DEFINED IN SECTION 6703 OF THE STATE OF CALIFORNIA, BUSINESS PROFESSIONAL CODES, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.



04/08/2020

DATE







TITLE SHEET

CAUTION:

- 1. CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT FOR LOCATION OF UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION— PHONE (800) 642—2444. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES PRIOR TO BEGINNING ANY WORK ON THIS SITE.
- 2. CONTRACTOR SHALL PROCURE AN UNDERGROUND LOCATOR SERVICE TO IDENTIFY ALL EXISTING UNDERGROUND IN AREAS OF EXCAVATION AND TAKE SPECIAL PRECAUTIONS TO PROTECT FROM DAMAGE.

GENERAL SITE NOTES:

- 1. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING ON THIS WORK AND CONSIDER THE EXISTING CONDITIONS AND SITE CONSTRAINTS IN THE BID. CONTRACTOR SHALL BE IN THE POSSESSION OF AND FAMILIAR WITH ALL APPLICABLE GOVERNING AGENCIES STANDARD DETAILS AND SPECIFICATIONS PRIOR TO SUBMITTING OF A BID.
- 2. ALL WORK ON-SITE AND IN THE PUBLIC RIGHT-OF-WAY SHALL CONFORM TO ALL APPLICABLE GOVERNING AGENCIES STANDARD DETAILS & SPECIFICATIONS.
- 3. PRIOR TO BEGINNING WORK, AND AFTER INITIAL HORIZONTAL CONTROL STAKING, CONTRACTOR SHALL FIELD CHECK ALL ELEVATIONS MARKED WITH (E) AND REPORT ANY DISCREPANCIES GREATER THAN 0.05' TO PROJECT MANAGER.
- 4. DAMAGE TO ANY EXISTING SITE IMPROVEMENTS, UTILITIES AND/OR SERVICES TO REMAIN SHALL BE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL REPAIR AND/OR REPLACE IN KIND.
- 5. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND THAT THE CONTRACTOR SHALL DEFEND INDEMNIFY AND HOLD THE CLIENT, THE CONSULTING ENGINEER AND THE SCHOOL DISTRICT HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE CLIENT OR THE CONSULTING ENGINEER.
- 6. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT BY CLEARY CONSULTANTS, INC. DATED NOVEMBER 22, 2013.
- 7. CAMPUS WILL BE OCCUPIED DURING CONSTRUCTION, CONTRACTOR TO PHASE WORK TO MAINTAIN ACCESSIBILITY TO CERTAIN AREAS OF THE SITE. REFER TO SPECIFICATIONS FOR PHASING PLAN REQUIREMENTS.
- 8. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

SITE FENCE NOTES:

- 1. CONTRACTOR SHALL PROVIDE A TEMPORARY CONSTRUCTION FENCE AROUND THE IMMEDIATE AREAS OF DEMOLITION AND CONSTRUCTION, INCLUDING ALL STAGING, STORAGE, CONSTRUCTION OFFICE AND LAYDOWN AREAS. AS WORK AREA SHIFTS CONTRACTOR SHALL ADJUST FENCING ACCORDINGLY IN ORDER TO MINIMIZE IMPACTING PUBLIC ACCESS TO CAMPUS. CONTRACTOR SHALL BALLAST FENCING POSTS TO HELP PREVENT WIND FROM BLOWING OVER.
- 2. CONSTRUCTION FENCE SHALL BE A MINIMUM OF A 6' HIGH GALVANIZED CHAIN LINK WITH GREEN WINDSCREEN FABRIC ON THE OUTSIDE OF THE FENCE.
- 3. PRIOR TO COMMENCING WITH FENCING INSTALLATION, CONTRACTOR SHALL PROVIDE CONSTRUCTION SITE STAGING AND FENCING PLANS TO THE DISTRICT'S REPRESENTATIVE FOR APPROVAL, IN ACCORDANCE WITH THE PROJECT TECHNICAL SPECIFICATIONS.
- 4. CONSTRUCTION FENCE ADDRESSED IN THESE NOTES IS ONLY FOR VISUAL CONFORMANCE OF THIS CONSTRUCTION SITE TO THE DISTRICT STANDARDS. CONTRACTOR MAY BE REQUIRED TO PROVIDE ADDITIONAL FENCING, BARRICADES OR OTHER SAFETY DEVICES TO KEEP THE SITE SECURE AND SAFE.

TEMPORARY FACILITIES NOTES:

- 1. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING OPERATION AND FUNCTION OF EXISTING FACILITIES IMPACTED BY CONSTRUCTION, INCLUDING BUT NOT LIMITED TO EXISTING UTILITIES SERVING ADJACENT STRUCTURES AND AMENITIES WHICH RUN THROUGH THE CONSTRUCTION SITE, EXISTING ACCESS TO THOSE FACILITIES, AND RELATED STRUCTURES. APPLICABLE UTILITIES INCLUDE STORM DRAINAGE, SANITARY SEWER, DOMESTIC/FIRE WATER SUPPLY, IRRIGATION, NATURAL GAS, ELECTRICAL AND COMMUNICATION LINES.
- 2. CONTRACTOR SHALL PLAN PHASING AND METHOD OF DISCONNECTION/RECONNECTION OF SITE UTILITIES TO MINIMIZE DOWNTIME WHERE SHUTDOWN IS NECESSARY, AND PROVIDE THE CITY WITH SCHEDULE FOR ANY PLANNED SHUTDOWN/DISCONNECTION AND RECONNECTION OF SERVICES.
- 3. CONTRACTOR SHALL PROVIDE ALTERNATE MEANS AND METHODS FOR TEMPORARILY MAINTAINING FUNCTIONALITY / OPERATION OF EXISTING FACILITIES TO REMAIN (SUCH AS TEMPORARY USE OF PORTABLE PUMPS, POWER EQUIPMENT, TEMPORARY ALTERNATE SUPPLY/CONVEYANCE PIPES/CONDUITS, APPROPRIATE SIGNAGE) FOR THE CITY TO REVIEW AND APPROVE PRIOR TO COMMENCING CONSTRUCTION.
- 4. CONTRACTOR SHALL TO RESTORE PERMANENT SERVICE TO EXISTING FACILITIES IMPACTED BY CONSTRUCTION TO THE SATISFACTION OF THE CITY.

DEMOLITION NOTES:

- 1. CONTRACTOR IS TO COMPLY WITH ALL GENERAL AND STATE REQUIREMENTS INVOLVING THE REMOVAL AND DISPOSAL OF HAZARDOUS MATERIAL(S). CONTRACTOR SHALL REMOVE FROM SITE AND PROPERLY DISPOSE OF ALL DEMOLITION DEBRIS AND MATERIALS.
- 2. CONTRACTOR'S BID IS TO INCLUDE ALL VISIBLE SURFACE AND ALL SUBSURFACE FEATURES IDENTIFIED TO BE REMOVED OR ABANDONED IN THESE DOCUMENTS.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR A SITE INSPECTION TO FULLY ACKNOWLEDGE THE EXTENT OF THE DEMOLITION WORK.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL PERMITS NECESSARY FOR ENCROACHMENT, GRADING, DEMOLITION, AND DISPOSAL OF SAID MATERIALS AS REQUIRED BY PRIVATE, LOCAL AND STATE JURISDICTIONS. THE CONTRACTOR SHALL PAY ALL FEES ASSOCIATED WITH THE DEMOLITION WORK.
- 5. BACKFILL ALL DEPRESSIONS AND TRENCHES FROM DEMOLITION TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER.
- 6. REMOVAL OF LANDSCAPING SHALL INCLUDE ROOTS AND ORGANIC MATERIALS TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER.
- 7. PRIOR TO BEGINNING DEMOLITION WORK ACTIVITIES, CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES CONSISTENT WITH THE BEST MANAGEMENT PRACTICES.
- 8. THE CONTRACTOR SHALL MAINTAIN ALL SAFETY DEVICES, AND SHALL BE RESPONSIBLE FOR CONFORMANCE TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS LAWS AND REGULATIONS.
- 9. THE CONTRACTOR SHALL PROTECT FROM DAMAGE ALL EXISTING IMPROVEMENTS FACILITIES AND STRUCTURES WHICH ARE TO REMAIN. ANY ITEMS DAMAGED BY THE CONTRACTOR OR HIS AGENTS OR ANY ITEMS REMOVED FOR HIS USE SHALL BE REPLACED IN EQUAL OR BETTER CONDITION AS APPROVED BY THE ARCHITECT OR OWNER'S REPRESENTATIVE.
- 10. THIS PLAN IS NOT INTENDED TO BE A COMPLETE CATALOGUE OF ALL EXISTING STRUCTURES AND UTILITIES. THIS PLAN INTENDS TO DISCLOSE GENERAL INFORMATION KNOWN BY THE ENGINEER AND TO SHOW THE LIMITS OF THE AREA WHERE WORK WILL BE PERFORMED. THIS PLAN SHOWS THE EXISTING FEATURES TAKEN FROM A FIELD SURVEY, FIELD INVESTIGATIONS AND AVAILABLE INFORMATION. THIS PLAN MAY OR MAY NOT ACCURATELY REFLECT THE TYPE OR EXTENT OF THE ITEMS TO BE ENCOUNTERED AS THEY ACTUALLY EXIST. THE CONTRACTOR SHALL PERFORM A THOROUGH FIELD INVESTIGATION AND REVIEW OF THE SITE WITHIN THE LIMIT OF WORK SHOWN IN THIS PLAN SET TO DETERMINE THE TYPE, QUANTITY AND EXTENT OF ANY AND ALL ITEMS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DETERMINING THE EXTENT OF EXISTING UTILITIES AND QUANTITY OF WORK INVOLVED IN REMOVING THESE ITEMS FROM THE SITE.
- 11. CONTRACTOR SHALL SAWCUT EXISTING CONCRETE AT NEAREST CONTROL JOINT AND TAKE CAUTION SUCH THAT NO OVER CUTTING OF EXISTING CONCRETE OCCURS.
- 12. CONTRACTOR SHALL MAINTAIN IRRIGATION SERVICE AND HAND WATER IF NECESSARY TO KEEP LANDSCAPED AREA IRRIGATED DURING CONSTRUCTION. CONTRACTOR SHALL REPAIR ANY IRRIGATION LINES DAMAGED DURING CONSTRUCTION.
- 13. CONTRACTOR SHALL PRESERVE OR REPLACE ALL PLANTS DISTURBED BY EXCAVATIONS AND REPLACE ALL DAMAGED LAWN WITH SOD.

NPDES REQUIREMENTS:

- 1. ALL CONSTRUCTION ON OFF-SITE OR ON-SITE IMPROVEMENTS SHALL ADHERE TO NPDES (NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM) BEST MANAGEMENT PRACTICES TO PREVENT DELETERIOUS MATERIALS OR POLLUTANTS FROM ENTERING THE CITY/TOWN OR COUNTY STORM DRAIN SYSTEMS.
- 2. 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 COLURGES OR WIND
- 3. STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
- 4. FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
- 5. EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC RIGHT-OF-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.
- 6. TRASH AND CONSTRUCTION RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION AND DISPERSAL BY WIND.
- . SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC RIGHT—OF—WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
- 3. ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.
- 9. CLEAN UP ALL SPILLS USING DRY METHODS.
- 10. SWEEP ALL GUTTERS AT THE END OF EACH WORKING DAY. GUTTERS SHALL BE KEPT CLEAN AFTER LEAVING CONSTRUCTION SITE.
- 11. CALL 911 IN CASE OF A HAZARDOUS SPILL.
- 12. BMP'S AS OUTLINED IN, BUT NOT LIMITED TO, CALIFORNIA STORM WATER QUALITY TASK FORCE, SACRAMENTO, CALIFORNIA, JANUARY 2015, OR THE LATEST REVISED EDITION, MAY APPLY DURING THE CONSTRUCTION OF THIS PROJECT (ADDITIONAL MEASURES MAY BE REQUIRED IF DEEMED APPROPRIATE BY CITY/TOWN INSPECTORS).
- 13. UPON SATISFACTORY COMPLETION OF THE WORK, THE ENTIRE WORK SITE SHALL BE CLEANED BY THE CONTRACTOR AND LEFT WITH A SMOOTH AND NEATLY GRADED SURFACE FREE OF CONSTRUCTION WASTE, RUBBISH, AND DEBRIS OF ANY NATURE.

GENERAL UTILITY SYSTEM NOTES:

- 1. ALL TRENCHES SHALL BE BACK FILLED PER THE SPECIFICATIONS WITH APPROPRIATE TESTS BY THE GEOTECHNICAL ENGINEER TO VERIFY COMPACTION VALUES.
- 2. CLEAN OUTS, CATCH BASINS AND AREA DRAINS ARE TO BE ACCURATELY LOCATED BY THEIR RELATIONSHIP TO THE BUILDING, FLATWORK, ROOF DRAINS, AND/OR CURB LAYOUT, NOT BY THE LENGTH OF PIPE SPECIFIED IN THE DRAWINGS (WHICH IS APPROXIMATE).
- 3. CONTRACTOR SHALL STAKE LOCATION OF ABOVE GROUND UTILITY EQUIPMENT (BACKFLOW PREVENTOR, SATELLITE DISH, TRANSFORMER, GAS METER, ETC.) AND MEET WITH CLIENT TO REVIEW LOCATION PRIOR TO INSTALLATION. PLANNING DEPARTMENT MUST SPECIFICALLY AGREE WITH LOCATION PRIOR TO PROCEEDING WITH THE INSTALLATION.
- 4. CONTRACTOR SHALL PREPARE AN ACCURATE COMPOSITE UTILITY PLAN THAT TAKES INTO ACCOUNT THE ACTUAL LOCATION OF EXISTING UTILITIES AS DETERMINED DURING THE DEMOLITION WORK, THE UTILITIES SHOWN ON THE CIVIL DRAWINGS, AND THE SITE POWER, CONDUITS AND LIGHTING SHOWN ON THE ELECTRICAL PLANS. THE FIRE SPRINKLER SYSTEM SHALL BE INCLUDED AS DESIGNED BY THE DESIGN/BUILD UNDERGROUND FIRE SPRINKLER CONTRACTOR.
- 5. CATHODIC PROTECTION MAY BE REQUIRED ON ALL METALLIC FITTINGS AND ASSEMBLIES THAT ARE IN CONTACT WITH THE SOIL, IF RECOMMENDED BY THE GEOTECHNICAL REPORT. CONTRACTOR IS RESPONSIBLE TO FULLY ENGINEER AND INSTALL THIS SYSTEM AND COORDINATE ANODE AND TEST STATION LOCATIONS WITH DISTRICT'S REPRESENTATIVE.
- 6. COMPLETE SYSTEMS: ALL UTILITY SYSTEMS ARE DELINEATED IN A SCHEMATIC MANNER ON THESE PLANS. CONTRACTOR IS TO PROVIDE ALL FITTINGS, ACCESSORIES AND WORK NECESSARY TO COMPLETE THE UTILITY SYSTEM SO THAT IT IS FULLY FUNCTIONING FOR THE PURPOSE
- 7. UNDERGROUND UTILITIES OR STRUCTURES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS AND EXTENT BASED UPON RECORD INFORMATION. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. THE CLIENT, BY ACCEPTING THESE PLANS OR PROCEEDING WITH IMPROVEMENTS PURSUANT THERETO, AGREES TO ASSUME LIABILITY AND TO HOLD UNDERSIGNED HARMLESS FOR ANY DAMAGES RESULTING FROM THE EXISTENCE OF UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE UNDERSIGNED; NOT INDICATED ON THE PUBLIC RECORDS EXAMINED, LOCATED AT VARIANCE WITH THOSE REPORTED OR SHOWN ON RECORDS EXAMINED.
- 8. CONTRACTOR SHALL VERIFY ALL EXISTING INVERT ELEVATIONS FOR STORM DRAIN AND SANITARY SEWER CONSTRUCTION PRIOR TO COMMENCEMENT OF ANY WORK. ALL WORK FOR STORM AND SANITARY SEWER INSTALLATION SHALL BEGIN AT THE DOWNSTREAM CONNECTION POINT. THIS WILL ALLOW FOR ANY NECESSARY ADJUSTMENTS TO BE MADE PRIOR TO THE INSTALLATION OF THE ENTIRE LINE. IF THE CONTRACTOR FAILS TO BEGIN AT THE DOWNSTREAM CONNECTION POINT AND WORKS UP STREAM, HE SHALL PROCEED AT HIS OWN RISK AND BE RESPONSIBLE FOR ANY ADJUSTMENTS NECESSARY. CONTRACTOR SHALL VERIFY LOCATION OF SANITARY SEWER LATERAL WITH OWNER PRIOR TO CONSTRUCTION.
- EXISTING UTILITY CROSSINGS OF NEW PIPELINE ARE SHOWN ACCORDING TO THE BEST AVAILABLE INFORMATION. GAS, WATER AND SEWER SERVICE LATERALS ARE SHOWN ACCORDING TO THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY THE TYPE, SIZE, LOCATION AND DEPTH OF ALL THE UTILITY CROSSING (BOTH MAINS AND LATERALS) ARE CORRECT AS SHOWN. NO GUARANTEE IS MADE THAT ALL EXISTING UTILITIES (BOTH MAINS AND LATERALS) ARE SHOWN. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN EXCAVATING AND SHALL PROTECT ALL EXISTING UTILITIES (BOTH MAINS AND LATERALS) FROM DAMAGE DUE TO HIS OPERATION.
- 10. VERTICAL SEPARATION REQUIREMENTS:
 - A MINIMUM OF SIX (6) INCHES VERTICAL CLEARANCE SHALL BE PROVIDED BETWEEN CROSSING UTILITY PIPES, EXCEPT THAT THE MINIMUM VERTICAL CLEARANCE BETWEEN WATER AND SANITARY SEWER PIPELINES SHALL BE 12 INCHES AND ALL NEW WATER PIPES SHALL BE TYPICALLY INSTALLED TO CROSS ABOVE/OVER EXISTING SANITARY SEWER PIPELINES.
 - WHERE NEW WATER PIPELINES ARE REQUIRED TO CROSS UNDER EXISTING AND/OR NEW SANITARY SEWER PIPELINES, THE MINIMUM VERTICAL SEPARATION SHALL BE 12 INCHES. WATER LINE PIPE ENDS SHALL BE INSTALLED NO CLOSER THAN 10' MINIMUM HORIZONTAL DISTANCE FROM CENTERLINE OF UTILITY CROSSINGS, WHERE FEASIBLE.
- 11. HORIZONTAL SEPARATION REQUIREMENTS:
 - A MINIMUM HORIZONTAL SEPARATION BETWEEN NEW PIPELINES AND ANY EXISTING UTILITIES SHALL BE 5' FEET, EXCEPT THAT THE MINIMUM HORIZONTAL SEPARATION FOR WATER AND SANITARY SEWER PIPELINES SHALL BE 10' MINIMUM, UNLESS OTHERWISE NOTED. BRING ANY DISCREPANCIES TO THE PROJECT CIVIL ENGINEER PRIOR TO CONSTRUCTION.
 - A MINIMUM HORIZONTAL SEPARATION BETWEEN NEW PIPELINES AND JOINT TRENCH SHALL BE 5 FEET.
- 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING APPROPRIATE UTILITIES AND REQUESTING VERIFICATION OF SERVICE POINTS, FIELD VERIFICATION OF LOCATION, SIZE, DEPTH, ETC. FOR ALL THEIR FACILITIES AND TO COORDINATE WORK SCHEDULES.
- 13. ANY EXISTING UNDERGROUND UTILITY LINES TO BE ABANDONED, SHOULD BE REMOVED FROM WITHIN THE PROPOSED BUILDING ENVELOPE AND THEIR ENDS CAPPED OUTSIDE OF THE BUILDING ENVELOPE.

SITE MAINTENANCE:

- 1. REMOVE ALL DIRT, GRAVEL, RUBBISH, REFUSE, AND GREEN WASTE FROM STREET PAVEMENT AND STORM DRAINS ADJOINING THE SITE. LIMIT CONSTRUCTION ACCESS ROUTES ONTO THE SITE AND PLACE GRAVEL PADS AT THESE LOCATIONS. DO NOT DRIVE VEHICLES AND EQUIPMENT OFF THE PAVED OR GRAVELED AREAS DURING WET WEATHER.
- 2. SWEEP OR VACUUM THE STREET PAVEMENT AND SIDEWALKS ADJOINING THE PROJECT SITE AND THE ON-SITE PAVED AREAS ON A DAILY BASIS. SCRAPE CAKED-ON MUD AND DIRT FROM THESE AREAS BEFORE SWEEPING. CORNERS AND HARD TO REACH AREAS SHALL BE SWEPT
- 3. CREATE A CONTAINED AND COVERED AREA ON THE SITE FOR THE STORAGE OF BAGS, CEMENT, PAINTS, OILS, FERTILIZERS, PESTICIDES, OR OTHER MATERIALS USED ON THE SITE THAT HAVE THE POTENTIAL OF BEING DISCHARGED INTO THE STORM DRAIN SYSTEM THROUGH EITHER BEING WIND—BLOWN OR IN THE EVENT OF A MATERIAL SPILL.
- 4. NEVER CLEAN MACHINERY, EQUIPMENT OR TOOLS INTO A STREET, GUTTER OR STORM DRAIN.
- 5. ENSURE THAT CEMENT TRUCKS, PAINTERS, OR STUCCO/PLASTER FINISHING CONTRACTORS DO NOT DISCHARGE WASH WATER FROM EQUIPMENT, TOOLS OR RINSE CONTAINERS INTO GUTTERS OR DRAINS.
- 6. UPON PROJECT COMPLETION THE DISTRICT SHALL BE SOLELY RESPONSIBLE TO ROUTINELY INSPECT AND MAINTAIN ALL ON—SITE STORM DRAIN FACILITIES. STORM DRAIN SYSTEM SHALL BE CLEANED AND/OR FLUSHED ON A BIANNUAL BASIS OR AS FOUND NECESSARY.

EROSION AND SEDIMENTATION CONTROL NOTES:

- 1. CONTRACTOR SHALL ASSUME THE CONCEPTS ON THE EROSION CONTROL PLAN, IF PROVIDED, ARE SCHEMATIC MINIMUM REQUIREMENTS, THE FULL EXTENT OF WHICH ARE TO BE DETERMINED BY THE CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR THE EXACT DESIGN AND EXTENT OF THE EROSION CONTROL SYSTEM SO THAT IT WORKS WITH THE CONTRACTOR'S INTENDED USE AND MANAGEMENT OF THE CONSTRUCTION SITE.
- 2. ALL EROSION CONTROL FACILITIES SHALL BE INSPECTED BY THE CONTRACTOR AND REPAIRED, AS REQUIRED, AT THE CONCLUSION OF EACH WORKING DAY. THE CONTRACTOR SHALL INSPECT THE EROSION CONTROL FACILITIES AND MAKE NECESSARY REPAIRS PRIOR TO ANTICIPATED STORMS AND AT REASONABLE INTERVALS DURING STORMS OF EXTENDED DURATION. REPAIRS TO DAMAGED FACILITIES SHALL BE MADE IMMEDIATELY UPON DISCOVERY.
- 3. AS SOON AS PRACTICAL FOLLOWING EACH STORM, THE CONTRACTOR SHALL REMOVE ANY ACCUMULATION OF SILT OR DEBRIS FROM THE EROSION CONTROL SEDIMENT BASINS AND SHALL CLEAR THE OUTLET PIPES OF ANY BLOCKAGE.
- 4. STOCKPILED MATERIAL SHALL BE COVERED WITH VISQUEEN OR A TARPAULIN UNTIL THE MATERIAL IS REMOVED FROM THE SITE. ANY REMAINING BARE SOIL THAT EXISTS AFTER THE STOCKPILE HAS BEEN REMOVED SHALL BE COVERED UNTIL A NATURAL GROUND COVER IS ESTABLISHED OR IT MAY BE SEEDED OR PLANTED TO PROVIDE GROUND COVER.
- 5. PRIOR TO THE COMMENCEMENT OF ANY CLEARING, GRADING, OR EXCAVATION, THE CONTRACTOR SHALL VERIFY THAT THE CLIENT HAS SUBMITTED TO THE STATE WATER RESOURCES CONTROL BOARD A NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE STATE CONSTRUCTION STORM WATER GENERAL PERMIT, IF REQUIRED BY THE STATE. THE CONTRACTOR SHALL MAINTAIN A COPY OF THE NOI ON THE CONSTRUCTION SITE.
- 6. NECESSARY MATERIALS SHALL BE AVAILABLE ON SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS
- 7. PROTECT ADJACENT PROPERTIES AND UNDISTURBED AREAS FROM CONSTRUCTION IMPACTS USING VEGETATIVE BUFFER STRIPS, SEDIMENT BARRIERS OR FILTERS, DIKES, MULCHING OR OTHER MEASURES AS APPROPRIATE.
- 8. CONTRACTOR SHALL MAINTAIN ADJACENT STREETS IN A NEAT, CLEAN, DUST FREE AND SANITARY CONDITION AT ALL TIMES AND TO THE SATISFACTION OF THE CITY/TOWN INSPECTOR. THE ADJACENT STREET SHALL BE KEPT CLEAN OF DEBRIS, WITH DUST AND OTHER NUISANCE BEING CONTROLLED AT ALL TIMES. DEVELOPER SHALL BE RESPONSIBLE FOR ANY CLEAN UP ON ADJACENT STREETS AFFECTED BY THEIR CONSTRUCTION, METHOD OF STREET CLEANING SHALL BE BY DRY SWEEPING OF ALL PAVED AREAS. NO STOCKPILING OF BUILDING MATERIALS WITHIN THE CITY/TOWN'S RIGHT-OF-WAY IS PERMITTED.
- 9. ALL EROSION CONTROL MATERIALS SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR UNLESS OTHERWISE NOTED.
- 10. PROTECT DOWN SLOPE DRAINAGE COURSES, STREAMS AND STORM DRAINS WITH ROCK FILLED SAND BAGS, TEMPORARY DRAINAGE SWALES, SILT FENCES, EARTH BERMS, STORM DRAIN INLET FILTERS AND/OR STRAW BALES USED ONLY IN CONJUNCTION WITH PROPERLY INSTALLED SILT FENCES.

DUST CONTROL

- 1. WATER TRUCKS, OR ALTERNATIVE SOURCE OF WATER FOR DUST SUPRESSION, SHALL BE PRESENT AND IN USE AT THE CONSTRUCTION SITE. ALL PORTIONS OF THE SITE SUBJECT TO BLOWING DUST SHALL BE WATERED AS OFTEN AS DEEMED NECESSARY BY THE DISTRICT'S INSPECTOR IN ORDER TO INSURE PROPER CONTROL OF BLOWING DUST FOR THE DURATION OF
- 2. ALL PUBLIC STREETS AND MEDIANS SOILED OR LITTERED DUE TO THIS CONSTRUCTION ACTIVITY SHALL BE CLEANED AND SWEPT ON A DAILY BASIS DURING THE WORK WEEK, OR AS OFTEN AS DEEMED NECESSARY BY THE DISTRICT'S INSPECTOR, OR TO THE SATISFACTION OF THE CITY/TOWN'S DEPARTMENT OF PUBLIC WORKS.
- 3. ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS SHALL BE COVERED WITH TARPAULINS OR OTHER EFFECTIVE COVERS.
- 4. WHEEL WASHERS SHALL BE INSTALLED AND USED TO CLEAN ALL TRUCKS AND EQUIPMENT LEAVING THE CONSTRUCTION SITE. IF WHEEL WASHERS CANNOT BE INSTALLED, TIRES OR TRACKS OF ALL TRUCKS AND EQUIPMENT SHALL BE WASHED OFF BEFORE LEAVING THE CONSTRUCTION SITE.
- 5. THE CONTRACTOR SHALL DEMONSTRATE DUST SUPPRESSION MEASURES, SUCH AS REGULAR WATERING, WHICH SHALL BE IMPLEMENTED TO REDUCE EMISSIONS DURING CONSTRUCTION AND GRADING IN A MANNER MEETING THE APPROVAL OF THE CONSTRUCTION MANAGER. THIS SHALL ASSIST IN REDUCING SHORT—TERM IMPACTS FROM PARTICLES WHICH COULD RESULT IN NUISANCES THAT ARE PROHIBITED BY RULE 403 (FUGITIVE DUST).
- 6. GRADING OR ANY OTHER OPERATIONS THAT CREATES DUST SHALL BE STOPPED IMMEDIATELY IF DUST AFFECTS ADJACENT PROPERTIES. THE CONTRACTOR SHALL PROVIDE SUFFICIENT DUST CONTROL FOR THE ENTIRE PROJECT SITE IN ACCORDANCE WITH THE PROJECT NPDES AT ALL TIMES. THE SITE SHALL BE SPRINKLERED AS NECESSARY TO PREVENT DUST NUISANCE. IN THE EVENT THAT THE CONTRACTOR NEGLECTS TO USE ADEQUATE MEASURES TO CONTROL DUST, THE CLIENT RESERVES THE RIGHT TO TAKE WHATEVER MEASURES ARE NECESSARY TO CONTROL DUST AND CHARGE THE COST TO THE CONTRACTOR.
- 7. THE CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL MEASURES AND FOR OBTAINING ALL REQUIRED PERMITS AND APPROVALS.

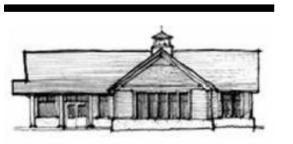
RECORD DRAWINGS:

1. THE CONTRACTOR SHALL KEEP UP-TO-DATE AND ACCURATE A COMPLETE RECORD SET OF PRINTS OF THE CONTRACT DRAWINGS SHOWING EVERY CHANGE FROM THE ORIGINAL DRAWINGS MADE DURING THE COURSE OF CONSTRUCTION INCLUDING EXACT FINAL LOCATION, ELEVATION, SIZES, MATERIALS, AND DESCRIPTION OF ALL WORK. RECORDS SHALL BE "REDLINED" ON A SET OF CONSTRUCTION PLAN DRAWINGS. A COMPLETE SET OF CORRECTED AND COMPLETED RECORD DRAWING PRINTS SHALL BE SUBMITTED TO THE SCHOOL DISTRICT AND DISTRICTS'S CIVIL ENGINEER PRIOR TO FINAL ACCEPTANCE FOR REVIEW AND APPROVAL BY THE DISTRICT'S FNGINFFR.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APP #: 01-118889

AC: ____ FLS: ____ SS: ___
DATE: ___



Woodside Elementary School Distric

Woodside
Elementary School
Underground Utility
Gas Piping Repair

3195 Woodside Road Woodside CA 94062





Date Issued For
04.08.20 Contractor Bid Set

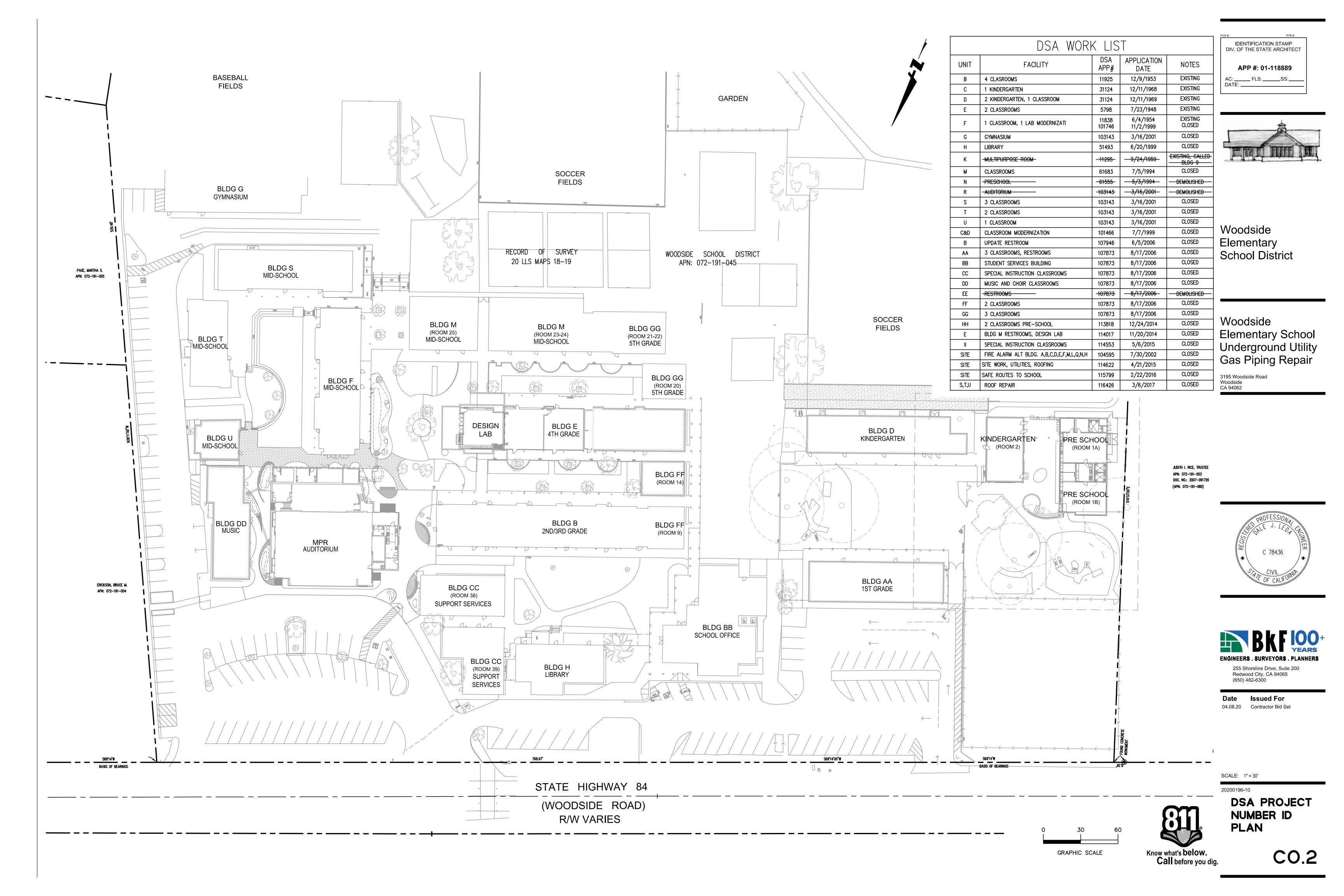
(650) 482-6300

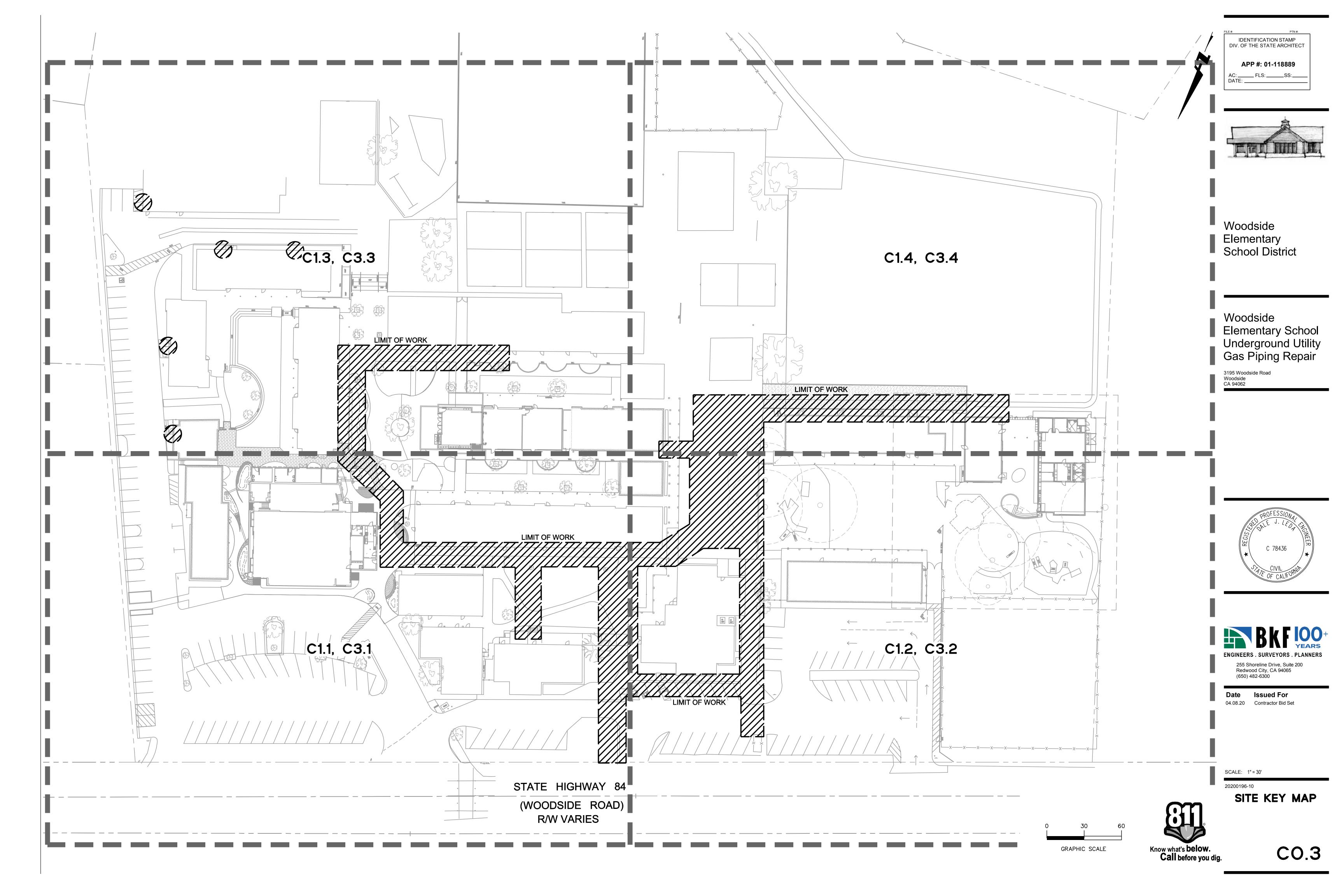
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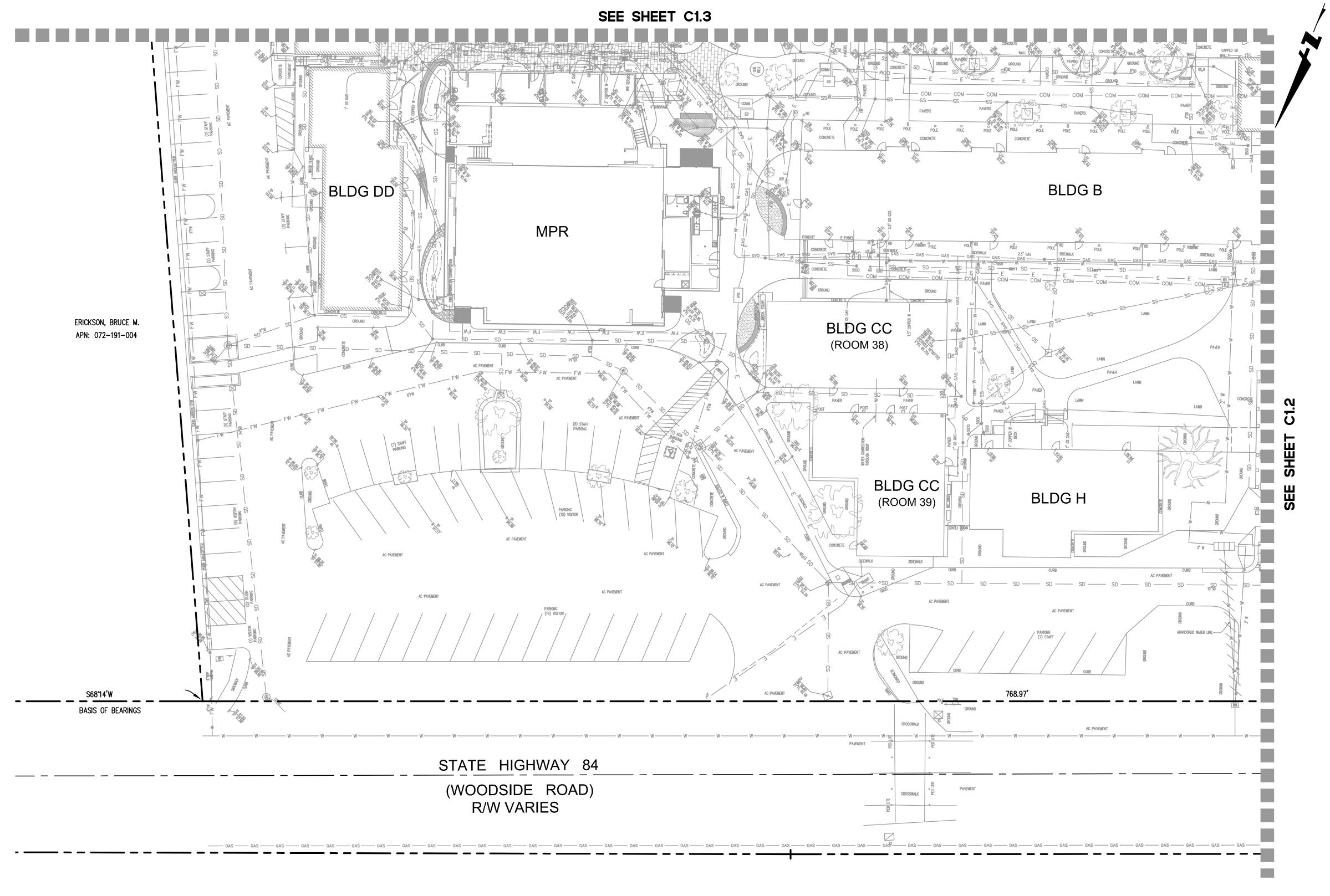
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NOTES SHEET

CO.1







EXISTING CONDITIONS:

- EXISTING TOPOGRAPHIC SURVEY PROVIDED BY THE DISTRICT. GRADES ENCOUNTERED ON-SITE MAY VARY FROM THOSE SHOWN. CONTRACTOR SHALL REVIEW THE PLANS AND CONDUCT FIELD INVESTIGATIONS AS REQUIRED TO VERIFY EXISTING CONDITIONS AT THE PROJECT SITE.
- 2. CLIENT SHALL HOLD HARMLESS BKF ENGINEERS FROM ANY AND ALL OCCURRENCES RESULTING FROM THE INACCURACY OF THE CLIENT SUPPLIED TOPOGRAPHIC AND BOUNDARY SURVEY (AS PREPARED BY OTHERS).

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

APP #: 01-118889

SURVEYOR'S NOTES:

UTILITY NOTE:

UTILITIES ARE SHOWN IN ASSUMED LOCATION BASED ON FOUND SURFACE STRUCTURES AND RECORD DATA PROVIDED BY THE SCHOOL DISTRICT.

CONTRACTOR SHALL PROCEED WITH CAUTION AND POSITIVELY VERIFY ALL EXISTING UTILITIES IN AREA OF WORK PRIOR TO CONSTRUCTION.

BASIS OF BEARING:

EASEMENT NOTE:

THE BEARING S6874'W OF THE SOUTHERNLY RIGHT OF WAY OF WOODSIDE ROAD.
BETWEEN FOUND IRON PIPES, AS SAID BEARING IS SHOWN ON CERTAIN RECORD
OF SURVEY, FILED NOVEMBER 17, 1999 IN BOOK 20 OF L.L.S. MAPS AT PAGES 18
& 19, RECORDS OF SAN MATEO COUNTY WAS TAKEN AS THE BASIS OF BEARING
FOR THIS SURVEY.

WOODSIDE

FOR THE SOUTHERNLY RIGHT OF WAY OF WOODSIDE ROAD.

WOODSIDE

FLOAT

School Distr

WOODSIDE ROAD

NO EASEMENTS SHOWN, TITLE REPORT NOT RECEIVED

School District

Woodside Elementary School
Underground Utility
Gas Piping Repair

3195 Woodside Road Woodside CA 94062

255 Shoreline Drive, Suite 200 Redwood City, CA 94065

Date Issued For 04.08.20 Contractor Bid Set

(650) 482-6300

SCALE: 1" = 20'

20200196-10

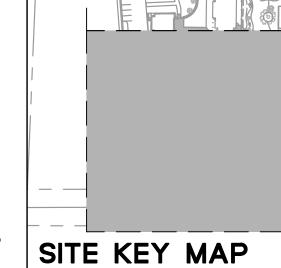
EXISTING CONDITIONS

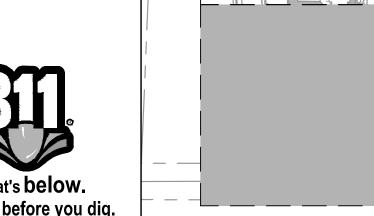
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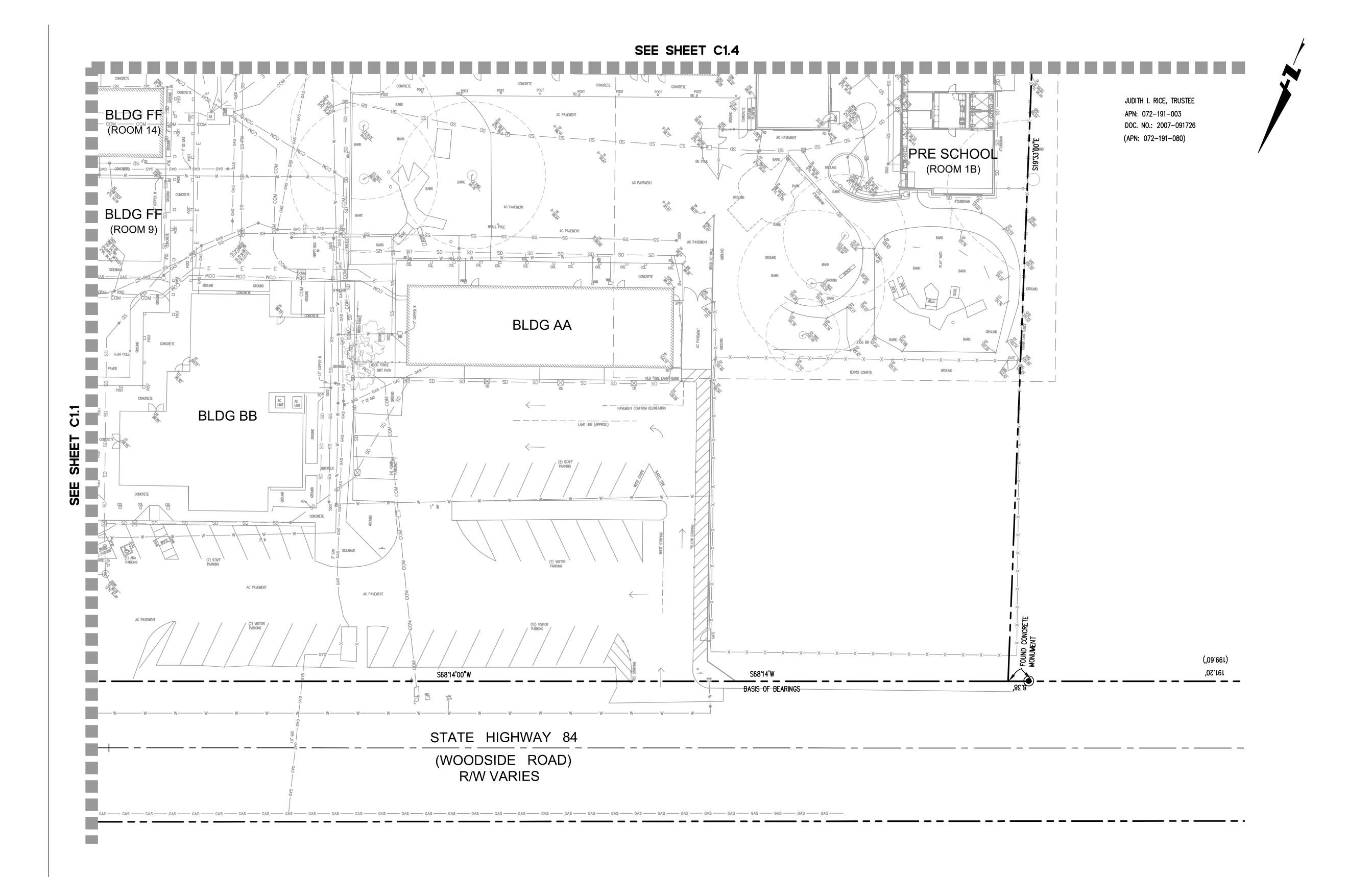
SURVEY BY OTHERS SHOWN FOR REFERENCE ONLY.

SEE SHEETS CO.O AND CO.1 FOR NOTES AND GRAPHIC SCALE **LEGENDS**









IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP #: 01-118889



Woodside Elementary School District

Woodside Elementary School
Underground Utility
Gas Piping Repair

3195 Woodside Road Woodside CA 94062



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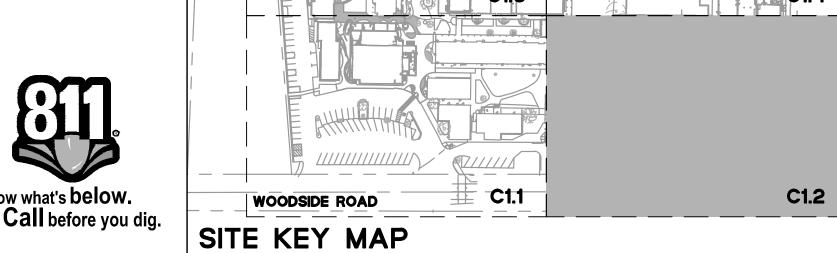
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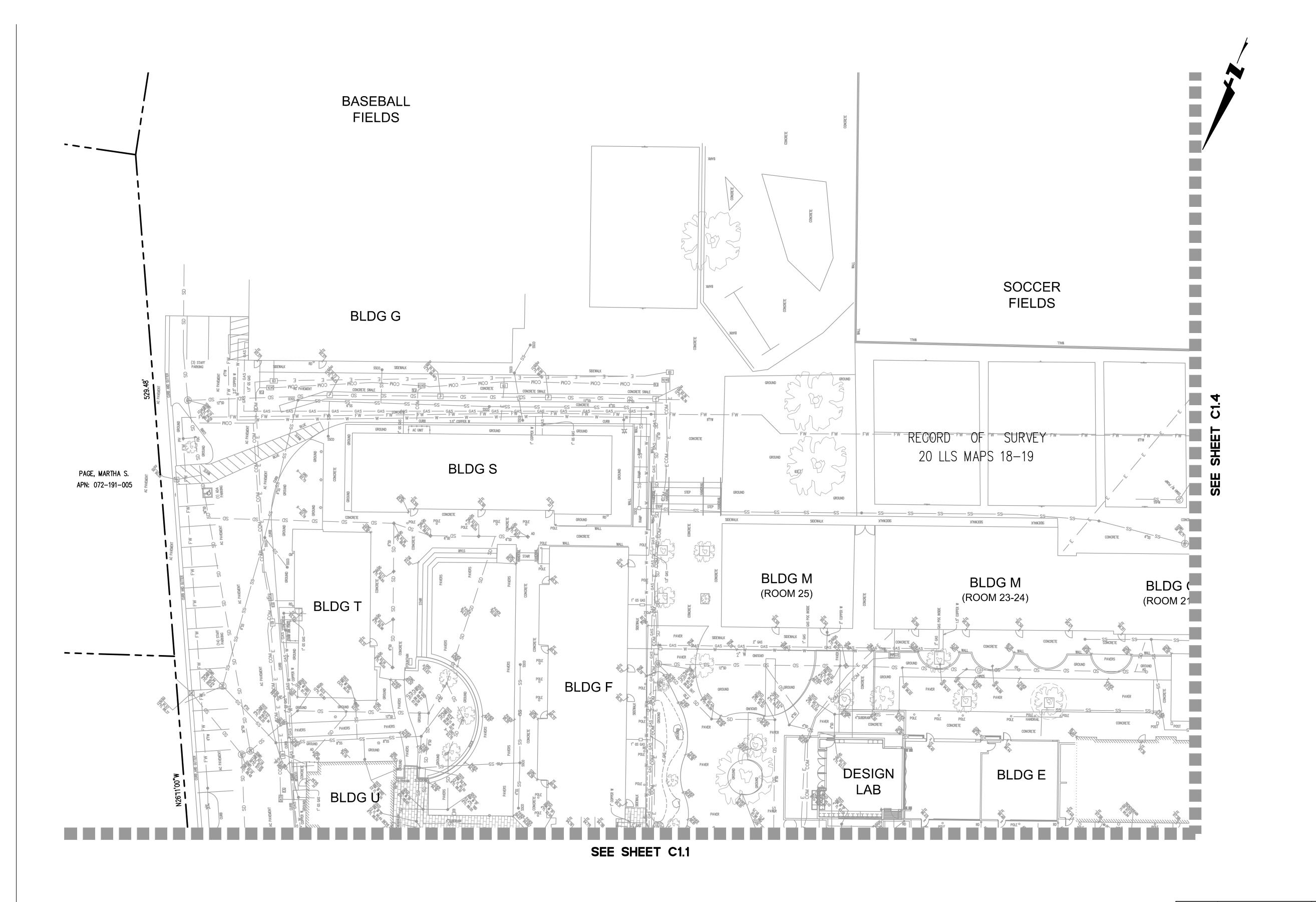
SURVEY BY OTHERS SHOWN FOR REFERENCE ONLY.

GRAPHIC SCALE

SEE SHEETS CO.O, CO.1, & C1.1 FOR NOTES AND **LEGENDS**







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Woodside Elementary School District

Woodside
Elementary School
Underground Utility
Gas Piping Repair

3195 Woodside Road Woodside CA 94062



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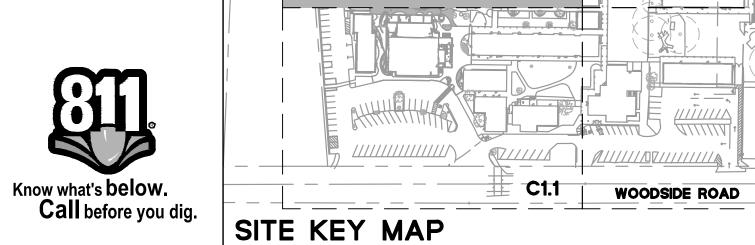
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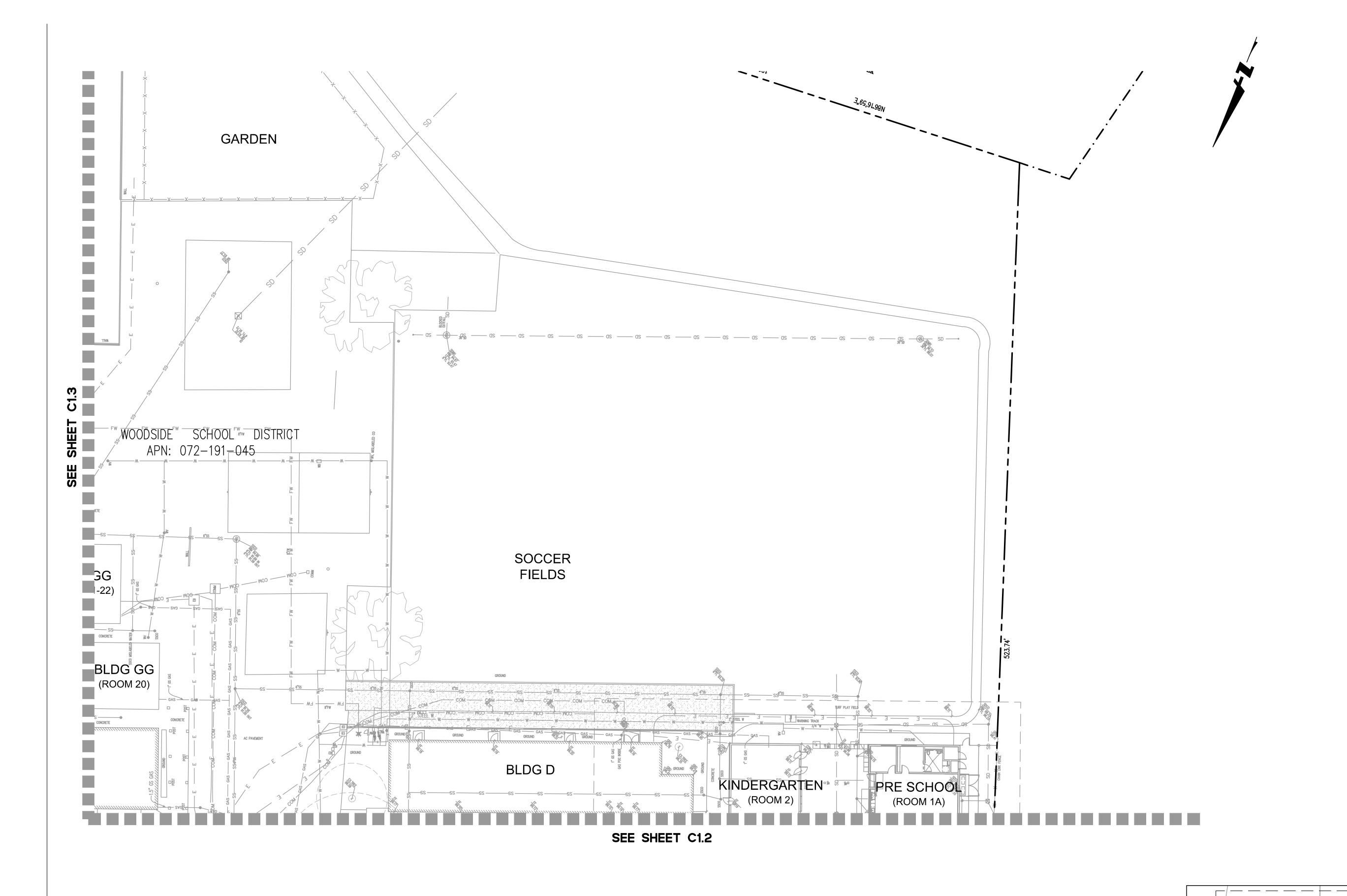
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REFERENCE ONLY.

GRAPHIC SCALE

SEE SHEETS CO.O,
CO.1, & C1.1 FOR
NOTES AND
LEGENDS

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IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP #: 01-118889



Woodside Elementary School District

Woodside Elementary School
Underground Utility
Gas Piping Repair

3195 Woodside Road Woodside CA 94062



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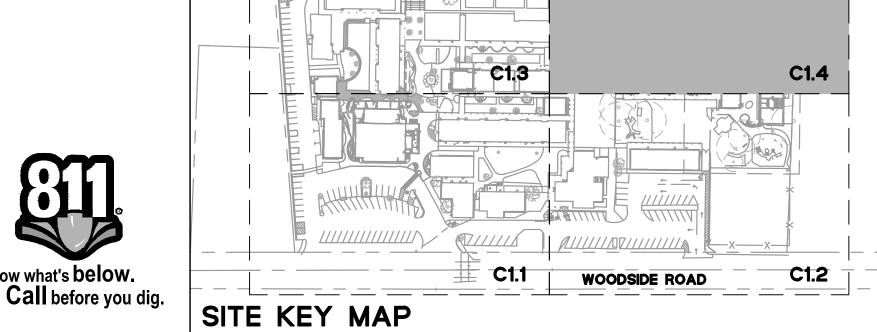
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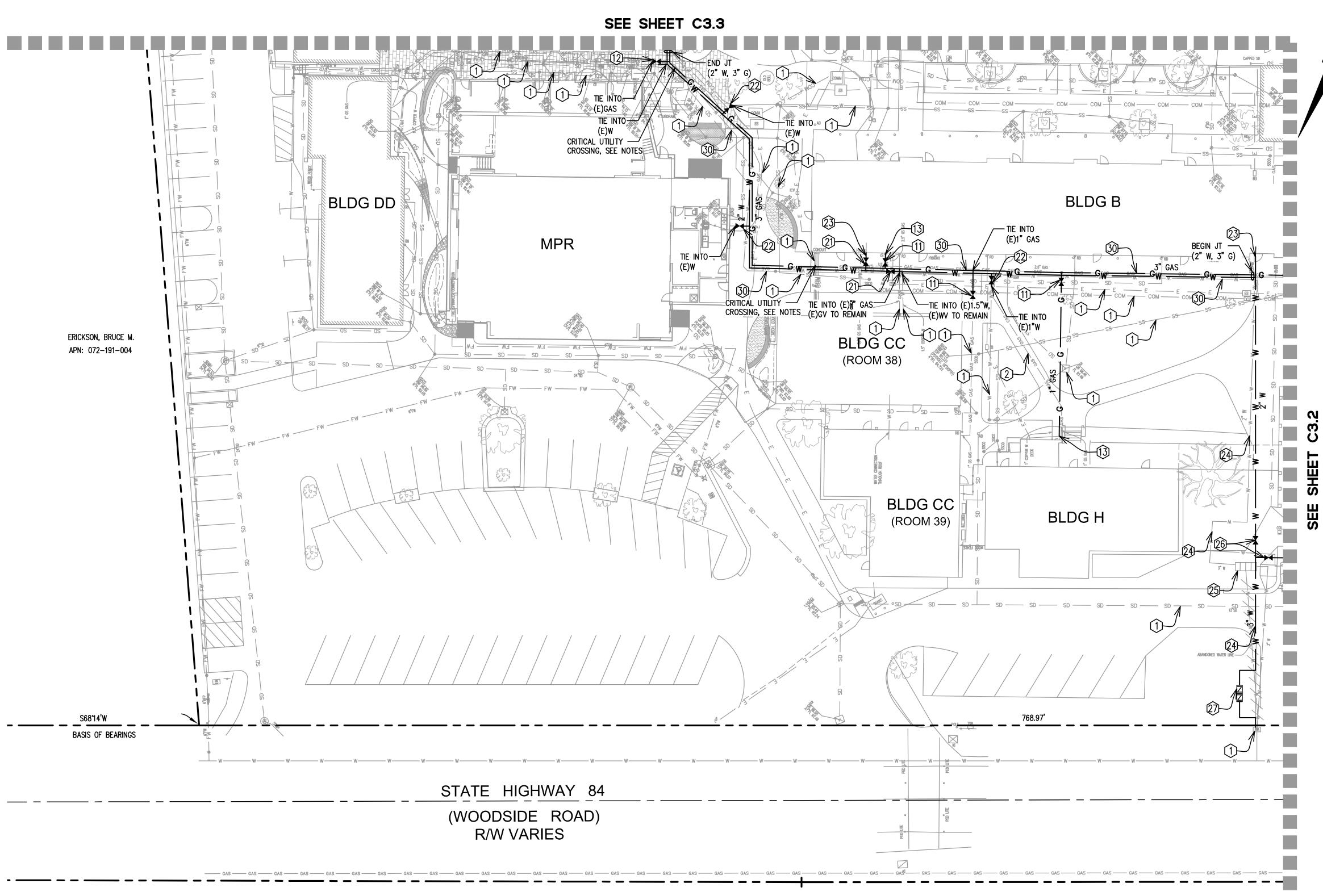
SURVEY BY OTHERS SHOWN FOR REFERENCE ONLY.

GRAPHIC SCALE

SEE SHEETS CO.O, CO.1, & C1.1 FOR NOTES AND **LEGENDS**







CRITICAL UTILITY CROSSING NOTES:

- 1. PRIOR TO CONSTRUCTION CONTRACTOR SHALL POTHOLE AND VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES.
- 2. CONTRACTOR TO USE CAUTION AROUND EXISTING UTILITIES AND MAINTAIN MINIMUM SEPARATION PER PG&E AND CITY OF LOS ALTOS REQUIREMENTS.

LANDSCAPE AND IRRIGATION NOTES:

- 1. CONTRACTOR SHALL PRESERVE OR REPLACE ALL PLANTS DISTURBED BY EXCAVATIONS AND REPLACE ALL DAMAGED LAWN WITH SOD.
- 2. CONTRACTOR SHALL MAINTAIN IRRIGATION SERVICE AND HAND WATER IF NECESSARY TO KEEP LANDSCAPED AREA IRRIGATED DURING CONSTRUCTION. CONTRACTOR SHALL REPAIR ANY IRRIGATION LINES DAMAGED DURING CONSTRUCTION.

PHASING NOTES:

- 1. CAMPUS WILL BE OCCUPIED DURING CONSTRUCTION, CONTRACTOR TO PHASE WORK TO MAINTAIN ACCESSIBILITY TO CERTAIN AREAS OF THE SITE. REFER TO SPECIFICATIONS FOR FENCING AND PHASING PLAN REQUIREMENTS.
- 2. CONTRACTOR SHALL SUBMIT A PHASING PLAN TO MAINTAIN A SOURCE OF WATER TO THE CAMPUS FOR DRINKING FOUNTAINS, TOILET FACILITIES, AND THE KITCHEN LOCATED AT THE SELLMAN MPR BUILDING DURING AS MUCH OF THE WORK AS POSSIBLE. PLAN TO BE APPROVED BY THE SCHOOL DISTRICT PRIOR TO CONSTRUCTION.

GRAPHIC SCALE

SURFACE REPAVING NOTES:

- 1. CONTRACTOR TO REPLACE (E)PAVING AND PAVEMENT MARKINGS IN KIND. GEOTECHNICAL ENGINEER TO OVERSEE COMPACTION TESTING ON-SITE. 1.1. SAWCUT EXISTING AC PAVING BACK TO STRAIGHT PATCH AND RESTRIPE, SEE
- DETAILS 1 & 3 ON C5.1 REPLACE CONCRETE TO NEAREST CONTROL OR EXPANSION JOINT INCLUDING
- DOWELING. MATCH TEXTURE AND COLOR OF EXISTING ADJACENT CONCRETE
 - FINISH. SEE DETAILS 1, 3 & 6 ON C5.1. REINSTALL EXISTING PAVERS, MATCH EXISTING SAND BEDDING MATERIAL AND

CONTRACTOR BID NOTE:

1. CONTRACTOR SHALL PREPARE SEPARATE DEDUCTIVE BID ALTERNATE FOR STAND ALONE WATER REPLACEMENT WORK, REFER TO WATER KEYNOTES 24-27 FOR ENTAILED SCOPE OF WORK.

SEE SHEETS CO.O AND CO.1 FOR NOTES AND **LEGENDS**



WATER SYSTEM NOTES:

- WATER PIPING SHALL BE EITHER POLYETHYLENE PLASTIC PIPE CONFORMING TO THE REQUIREMENTS OF AWWA C901, OR TYPE K COPPER PIPE CONFORMING TO ASTM B88 DEPENDING ON SIZE, REFER TO SPECIFICATIONS.
- WHERE WATER LINES HAVE TO CROSS SANITARY SEWER LINES, DO SO AT A 90 DEGREE ANGLE AND WATER LINES SHALL BE MINIMUM OF 12" ABOVE TOP OF SANITARY SEWER LINES.
- WATER LINES ARE SHOWN SCHEMATICALLY, CONTRACTOR SHALL IDENTIFY EACH ANGLE AND/OR BEND THAT MAY BE REQUIRED TO ACCOMPLISH THE INTENDED DESIGN.
- 4. ALL WATER SERVICE CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH 1 SCHOOL DISTRICT OR APPLICABLE WATER DISTRICT STANDARDS.
- 5. ALL WATER LINES SHALL BE INSTALLED WITH 36" MINIMUM COVER.
- 6. ALL EXISTING TEES SERVICING BRANCH LINES OFF OF EXISTING LINE BEING REPLACED
- 7. ALL EXISTING SHUT-OFF VALVES ARE TO BE REPLACED AND NEW ADDITIONAL VALVES ARE REQUIRED AS INDICATED ON PLANS. SEE DETAIL 4 ON C5.1.

GAS SYSTEM NOTES:

- ALL GAS PIPING SHALL BE MEDIUM DENSITY POLYETHYLENE 2708, UNIFORMLY YELLOW IN COLOR, CONFORMING TO THE LATEST EDITION OF ASTM D3350, REFER TO SPECIFICATIONS.
- GAS LINES ARE SHOWN SCHEMATICALLY CONTRACTOR SHALL IDENTIFY EACH ANGLE AND/OR BEND THAT MAY BE REQUIRED TO ACCOMPLISH THE INTENDED DESIGN.
- 3. ALL GAS LINES SHALL BE INSTALLED WITH 30" MINIMUM COVER.
- 4. ALL EXISTING SHUT-OFF VALVES ARE TO BE REPLACED AND NEW ADDITIONAL VALVES SChool District ARE REQUIRED AS INDICATED ON PLANS. SEE DETAIL 5 ON C5.1.

CONSTRUCTION KEYNOTES (GENERAL):

- (1) EXISTING UTILITY LINE OR STRUCTURE TO REMAIN, PROTECT IN PLACE.
- 2) DISCONNECT CAP AND ABANDON EXISTING UTILITY LINE.
- 3) POTHOLE AND VERIFY EXISTING UTILITY DEPTH, MATERIAL, SIZE AND CONDITION. REPLACE

CONSTRUCTION KEYNOTES (GAS):

- REMOVE PORTION OF EXISTING GAS PIPE, REPLACE WITH NEW GAS PIPE AS SHOWN. SEE DETAILS 1 & 2 ON C5.1 FOR TRENCH SECTION.
- 111 REMOVE EXISTING GAS VALVE AND REPLACE WITH NEW VALVE AS SHOWN. SEE DETAIL 5
- (12) INSTALL GAS VALVE AND ASSOCIATED UNDERGROUND PIPE, AS SHOWN. SEE DETAIL 5 ON
- 13 NEW LATERAL POC TO EXISTING BUILDING, CONTRACTOR TO VERIFY SIZE AND MATCH EXISTING. SEE DETAIL 8 ON C5.1 FOR RISER TRANSITION DETAIL.
- 14 INSTALL NEW REGULATOR AND EXTERIOR SHUT OFF VALVE AT FACE OF BUILDING, SEE
- [15] CONTRACTOR TO VERIFY EXISTENCE OF EARTHQUAKE SHUT OFF VALVE IF NO VALVE EXISTS CONTRACTOR INSTALL NEW EARTHQUAKE SHUT OFF VALVE BEHIND GAS METER SEE SPECIFICATIONS.

CONSTRUCTION KEYNOTES (WATER):

- [20] REMOVE PORTION OF EXISTING WATER PIPE, REPLACE WITH NEW WATER PIPE AS SHOWN.
- SEE DETAILS 1 & 2 ON C5.1 FOR TRENCH SECTION. [21] REMOVE EXISTING WATER VALVE AND REPLACE WITH NEW VALVE AS SHOWN. SEE DETAIL 4
- [22] INSTALL WATER VALVE AND ASSOCIATED UNDERGROUND PIPE, AS SHOWN. SEE DETAIL 4
- 23) NEW LATERAL POC TO EXISTING BUILDING, CONTRACTOR TO VERIFY SIZE AND MATCH
- EXISTING. SEE DETAIL 9 ON C5.1 FOR RISER TRANSITION DETAIL 124) REMOVE PORTION OF EXISTING WATER PIPE, REPLACE WITH NEW WATER PIPE AS SHOWN. SEE DETAILS 1 & 2 ON C5.1 FOR TRENCH SECTION, CONTRACTOR TO BID SEPARATELY.
- SEE CONTRACTOR BID NOTE #1. [25] REMOVE EXISTING WATER VALVE AND REPLACE WITH NEW VALVE AS SHOWN. SEE DETAIL 4
- ON C5.1. CONTRACTOR TO BID SEPARATELY, SEE CONTRACTOR BID NOTE #1. [26] INSTALL WATER VALVE AND ASSOCIATED UNDERGROUND PIPE, AS SHOWN. SEE DETAIL 4
- ON C5.1. CONTRACTOR TO BID SEPARATELY, SEE CONTRACTOR BID NOTE #1. [27] INSTALL BACKPLOW PREVENTOR AND PRESSURE REDUCING VALVE. SEE DETAIL 7 ON C5.1. CONTRACTOR TO BID SEPARATELY, SEE CONTRACTOR BID NOTE #1.

CONSTRUCTION KEYNOTES (JT):

(30) REMOVE PORTION OF EXISTING GAS AND WATER PIPES, REPLACE WITH NEW WATER AND GAS PIPES AS SHOWN IN COMBINED JOINT TRENCH. SEE DETAIL 3 ON C5.1 FOR JOINT TRENCH SECTION.

CONSTRUCTION KEYNOTES (REPAVING):

WOODSIDE ROAD

[40] SECTION OF UTILITY REPLACEMENT RUNS THROUGH EXISTING FIRE LANE. EXISTING PAVING SECTION CONSISTS OF 8" CONC OVER 6" AGGREGATE BASE WITH #4 REBAR 18" O.C. IN EACH DIRECTION, TO BE REPLACED IN KIND. SEE PLANS FOR LENGTH.



C 78436

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

APP #: 01-118889

Woodside

Elementary

Woodside

3195 Woodside Road

CA 94062

Elementary School

Underground Utility

Gas Piping Repair

255 Shoreline Drive, Suite 200 Redwood City, CA 94065 (650) 482-6300

Date Issued For

04.08.20 Contractor Bid Set

SCALE: 1" = 20'

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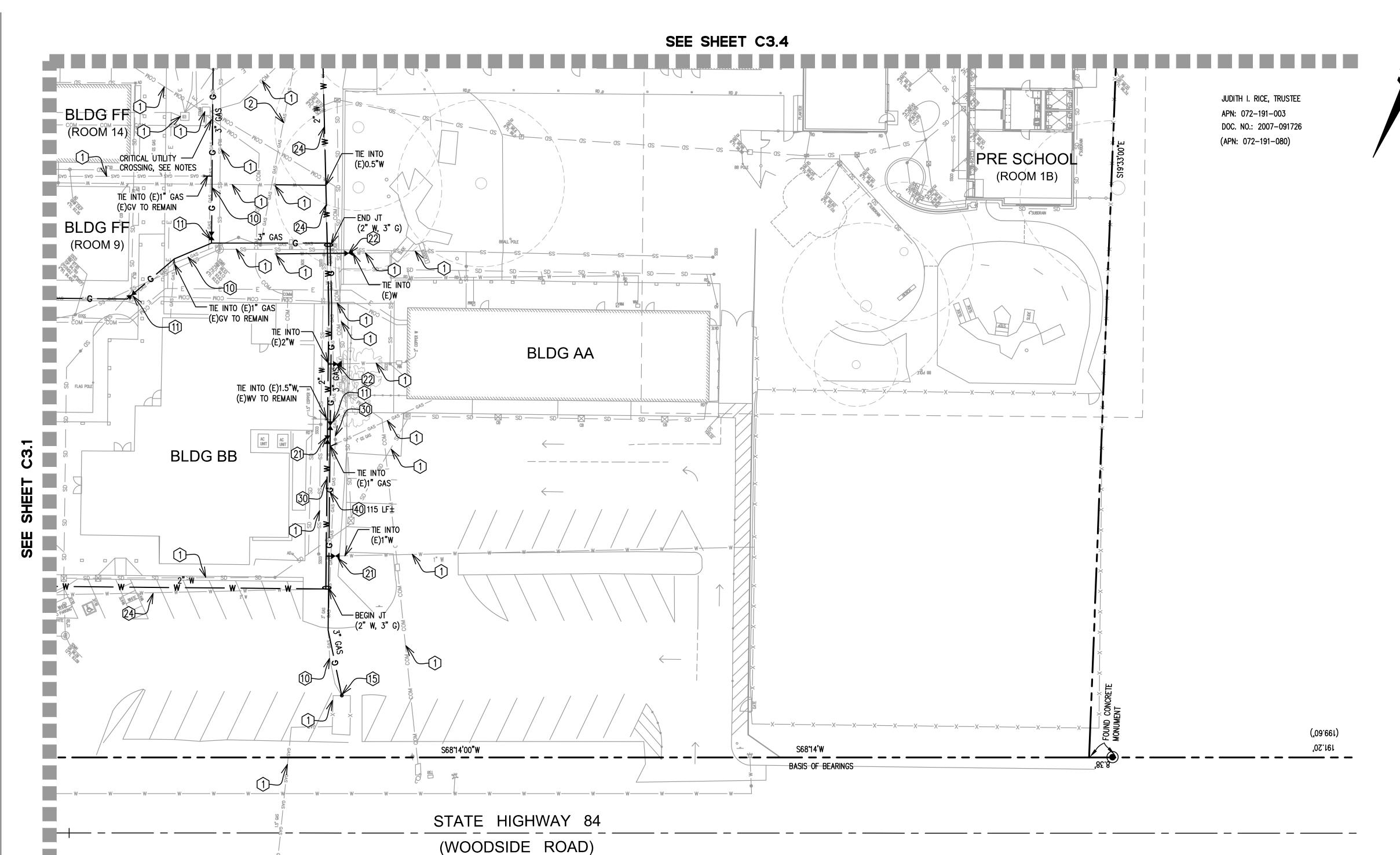
C3.2

UTILITY PLAN

C3.1



SITE KEY MAP



CRITICAL UTILITY CROSSING NOTES:

PRIOR TO CONSTRUCTION CONTRACTOR SHALL POTHOLE AND VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES.

R/W VARIES

2. CONTRACTOR TO USE CAUTION AROUND EXISTING UTILITIES AND MAINTAIN MINIMUM SEPARATION PER PG&E AND CITY OF LOS ALTOS REQUIREMENTS.

LANDSCAPE AND IRRIGATION NOTES:

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PHASING NOTES:

- 1. CAMPUS WILL BE OCCUPIED DURING CONSTRUCTION, CONTRACTOR TO PHASE WORK TO MAINTAIN ACCESSIBILITY TO CERTAIN AREAS OF THE SITE. REFER TO SPECIFICATIONS FOR FENCING AND PHASING PLAN REQUIREMENTS.
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GRAPHIC SCALE

CONTRACTOR SHALL PREPARE SEPARATE DEDUCTIVE BID ALTERNATE FOR STAND ALONE WATER REPLACEMENT WORK, REFER TO WATER KEYNOTES 24-27 FOR ENTAILED SCOPE OF WORK.

SURFACE REPAVING NOTES:

FINISH. SEE DETAILS 1 & 3 ON C5.1.

CONTRACTOR BID NOTE:

DETAILS 1 & 3 ON C5.1

1. CONTRACTOR TO REPLACE (E)PAVING AND PAVEMENT MARKINGS IN KIND.

REPLACE CONCRETE TO NEAREST CONTROL OR EXPANSION JOINT INCLUDING

DOWELING. MATCH TEXTURE AND COLOR OF EXISTING ADJACENT CONCRETE

REINSTALL EXISTING PAVERS, MATCH EXISTING SAND BEDDING MATERIAL AND

1.1. SAWCUT EXISTING AC PAVING BACK TO STRAIGHT PATCH AND RESTRIPE, SEE

GEOTECHNICAL ENGINEER TO OVERSEE COMPACTION TESTING ON-SITE.

SEE SHEETS CO.O. CO.1, & C3.1 FOR NOTES AND **LEGENDS**



WATER SYSTEM NOTES:

- WATER PIPING SHALL BE EITHER POLYETHYLENE PLASTIC PIPE CONFORMING TO THE REQUIREMENTS OF AWWA C901, OR TYPE K COPPER PIPE CONFORMING TO ASTM B88 DEPENDING ON SIZE, REFER TO SPECIFICATIONS.
- WHERE WATER LINES HAVE TO CROSS SANITARY SEWER LINES, DO SO AT A 90 DEGREE ANGLE AND WATER LINES SHALL BE MINIMUM OF 12" ABOVE TOP OF SANITARY SEWER LINES.
- WATER LINES ARE SHOWN SCHEMATICALLY, CONTRACTOR SHALL IDENTIFY EACH ANGLE AND/OR BEND THAT MAY BE REQUIRED TO ACCOMPLISH THE INTENDED DESIGN.
- ALL WATER SERVICE CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH 1 SCHOOL DISTRICT OR APPLICABLE WATER DISTRICT STANDARDS.
- 5. ALL WATER LINES SHALL BE INSTALLED WITH 36" MINIMUM COVER.
- 6. ALL EXISTING TEES SERVICING BRANCH LINES OFF OF EXISTING LINE BEING REPLACED ARE TO BE RECONNECTED TO NEW LINE.
- 7. ALL EXISTING SHUT-OFF VALVES ARE TO BE REPLACED AND NEW ADDITIONAL VALVES ARE REQUIRED AS INDICATED ON PLANS. SEE DETAIL 4 ON C5.1.

GAS SYSTEM NOTES:

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- 3. ALL GAS LINES SHALL BE INSTALLED WITH 30" MINIMUM COVER.
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CONSTRUCTION KEYNOTES (GENERAL):

- 1 EXISTING UTILITY LINE OR STRUCTURE TO REMAIN, PROTECT IN PLACE.
- 2 DISCONNECT CAP AND ABANDON EXISTING UTILITY LINE.

SEE SPECIFICATIONS.

POTHOLE AND VERIFY EXISTING UTILITY DEPTH, MATERIAL, SIZE AND CONDITION. REPLACE EXISTING SURFACE IN KIND.

CONSTRUCTION KEYNOTES (GAS):

- REMOVE PORTION OF EXISTING GAS PIPE, REPLACE WITH NEW GAS PIPE AS SHOWN. SEE DETAILS 1 & 2 ON C5.1 FOR TRENCH SECTION.
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CONSTRUCTION KEYNOTES (JT):

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CONSTRUCTION KEYNOTES (REPAVING):

(40) SECTION OF UTILITY REPLACEMENT RUNS THROUGH EXISTING FIRE LANE. EXISTING PAVING SECTION CONSISTS OF 8" CONC OVER 6" AGGREGATE BASE WITH #4 REBAR 18" O.C. IN EACH DIRECTION, TO BE REPLACED IN KIND. SEE PLANS FOR LENGTH.



255 Shoreline Drive, Suite 200

Redwood City, CA 94065

IDENTIFICATION STAMP

APP #: 01-118889

Woodside

Elementary

Woodside

3195 Woodside Road

CA 94062

Elementary School

Underground Utility

Gas Piping Repair

DIV. OF THE STATE ARCHITECT

Date Issued For 04.08.20 Contractor Bid Set

(650) 482-6300

SCALE: 1" = 20'

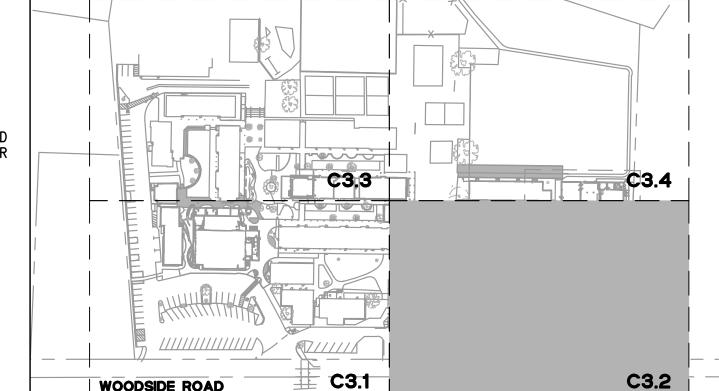
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UTILITY PLAN

C3.2

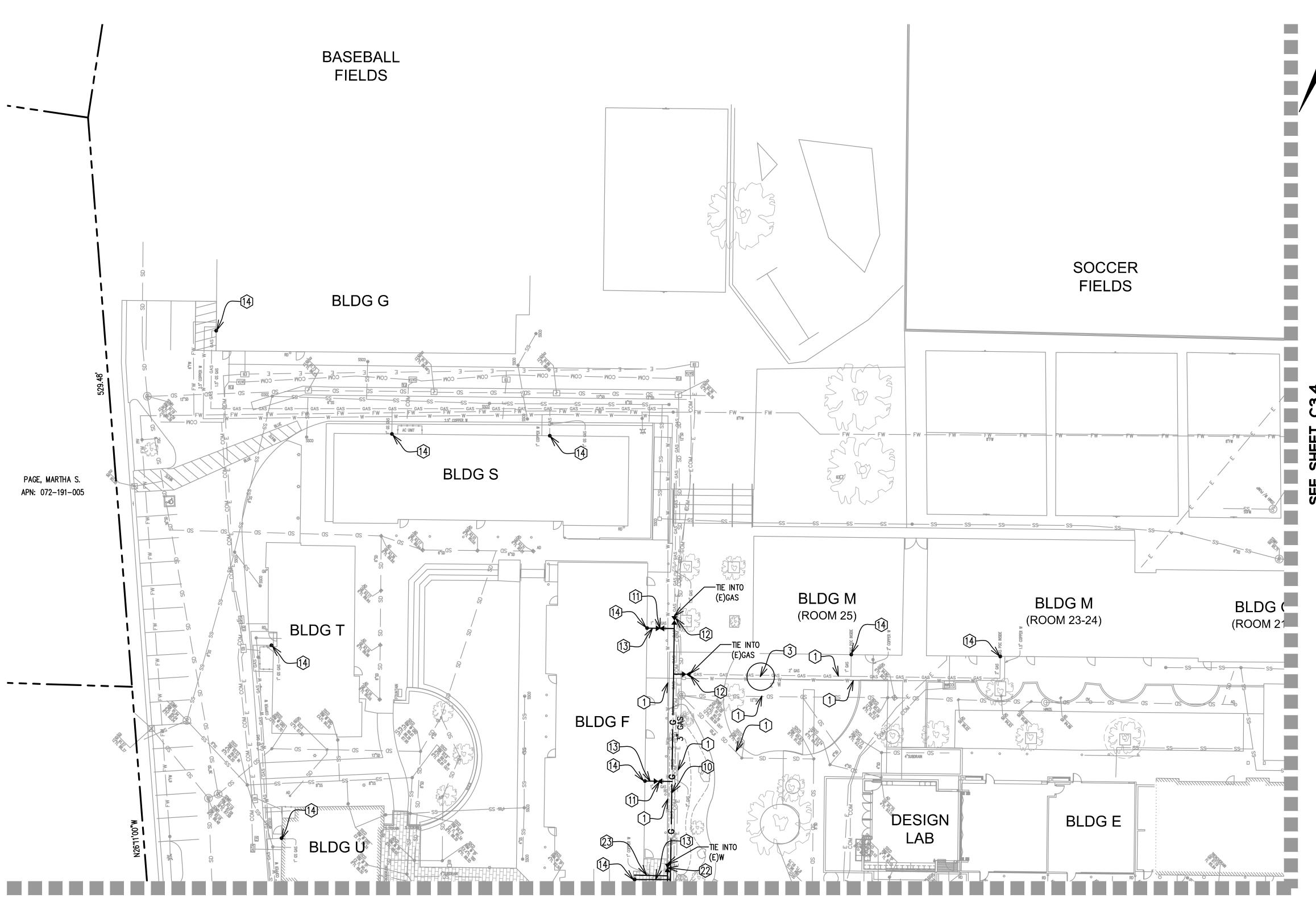






WOODSIDE ROAD

SITE KEY MAP



SEE SHEET C3.1

CRITICAL UTILITY CROSSING NOTES:

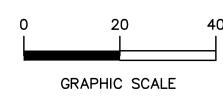
- PRIOR TO CONSTRUCTION CONTRACTOR SHALL POTHOLE AND VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES.
- CONTRACTOR TO USE CAUTION AROUND EXISTING UTILITIES AND MAINTAIN MINIMUM SEPARATION PER PG&E AND CITY OF LOS ALTOS REQUIREMENTS.

LANDSCAPE AND IRRIGATION NOTES:

- CONTRACTOR SHALL PRESERVE OR REPLACE ALL PLANTS DISTURBED BY EXCAVATIONS AND REPLACE ALL DAMAGED LAWN WITH SOD.
- CONTRACTOR SHALL MAINTAIN IRRIGATION SERVICE AND HAND WATER IF NECESSARY TO KEEP LANDSCAPED AREA IRRIGATED DURING CONSTRUCTION. CONTRACTOR SHALL REPAIR ANY IRRIGATION LINES DAMAGED DURING CONSTRUCTION.

PHASING NOTES:

- 1. CAMPUS WILL BE OCCUPIED DURING CONSTRUCTION, CONTRACTOR TO PHASE WORK TO MAINTAIN ACCESSIBILITY TO CERTAIN AREAS OF THE SITE. REFER TO SPECIFICATIONS FOR FENCING AND PHASING PLAN REQUIREMENTS.
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SURFACE REPAVING NOTES:

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- REPLACE CONCRETE TO NEAREST CONTROL OR EXPANSION JOINT INCLUDING DOWELING. MATCH TEXTURE AND COLOR OF EXISTING ADJACENT CONCRETE
- FINISH. SEE DETAILS 1 & 3 ON C5.1. REINSTALL EXISTING PAVERS, MATCH EXISTING SAND BEDDING MATERIAL AND

CONTRACTOR BID NOTE:

CONTRACTOR SHALL PREPARE SEPARATE DEDUCTIVE BID ALTERNATE FOR STAND ALONE WATER REPLACEMENT WORK, REFER TO WATER KEYNOTES 24-27 FOR ENTAILED SCOPE OF WORK.

SEE SHEETS CO.O, CO.1, & C3.1 FOR NOTES AND **LEGENDS**



SITE KEY MAP

WATER SYSTEM NOTES:

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- 4. ALL WATER SERVICE CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH T SCHOOL DISTRICT OR APPLICABLE WATER DISTRICT STANDARDS.
- 5. ALL WATER LINES SHALL BE INSTALLED WITH 36" MINIMUM COVER.
- 6. ALL EXISTING TEES SERVICING BRANCH LINES OFF OF EXISTING LINE BEING REPLACED ARE TO BE RECONNECTED TO NEW LINE.
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CONSTRUCTION KEYNOTES (GENERAL):

- 1 EXISTING UTILITY LINE OR STRUCTURE TO REMAIN, PROTECT IN PLACE.
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CONSTRUCTION KEYNOTES (JT):

C3.3

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C3.1 | WOODSIDE ROAD



C 78436

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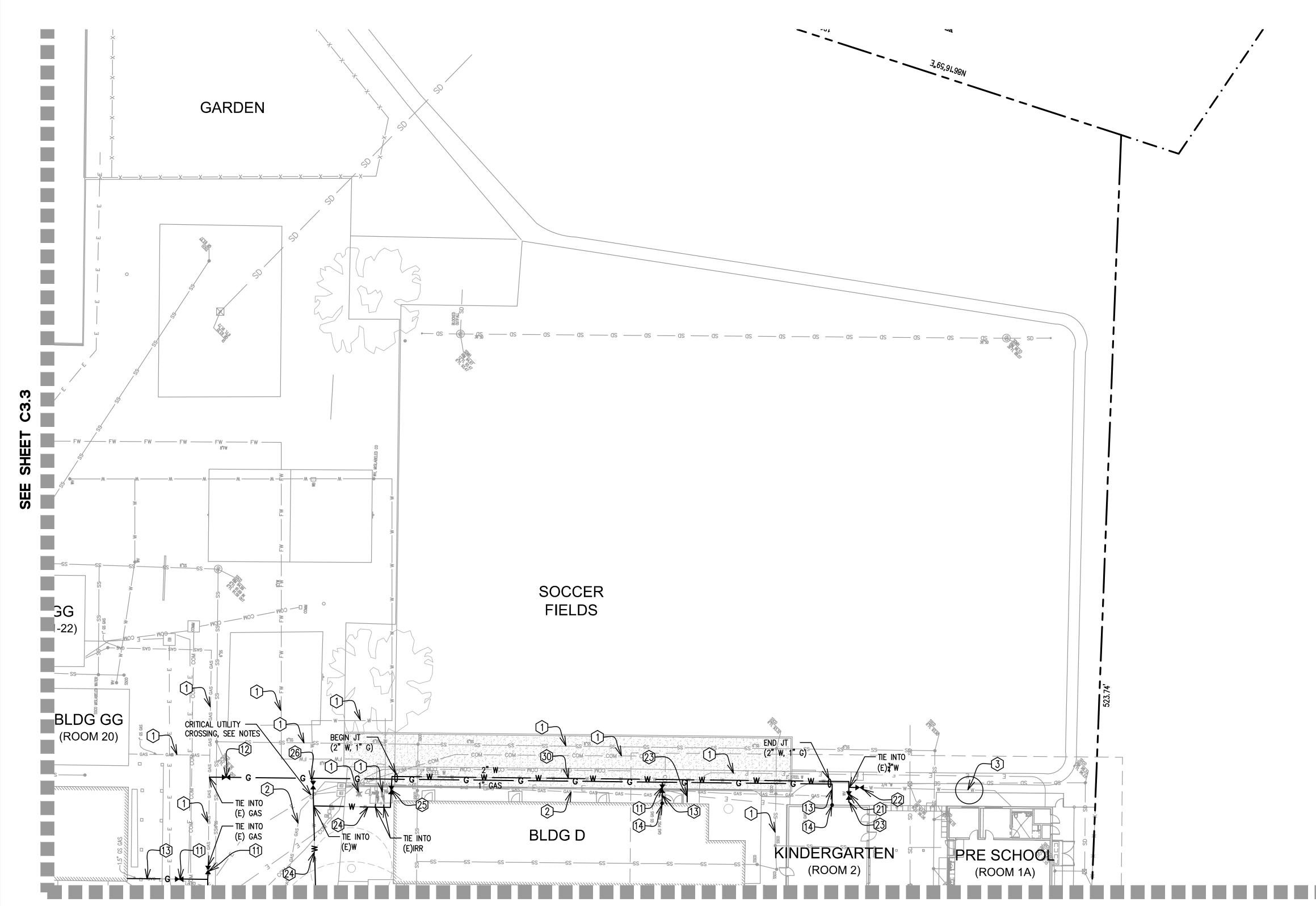
SCALE: 1" = 20'

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C3.2

UTILITY PLAN

C3.3



SEE SHEET C3.2

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GRAPHIC SCALE

SEE SHEETS CO.O, CO.1, & C3.1 FOR NOTES AND **LEGENDS**

Know what's below.

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ENTAILED SCOPE OF WORK.



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C 78436

IDENTIFICATION STAMP

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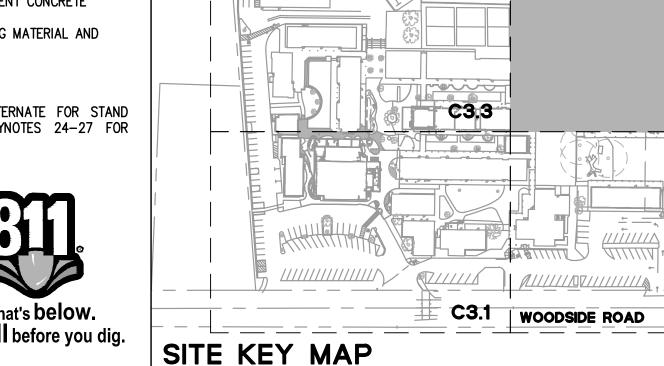
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C3.4

C3.2

UTILITY PLAN

C3.4



SURFACE REPAVING NOTES:

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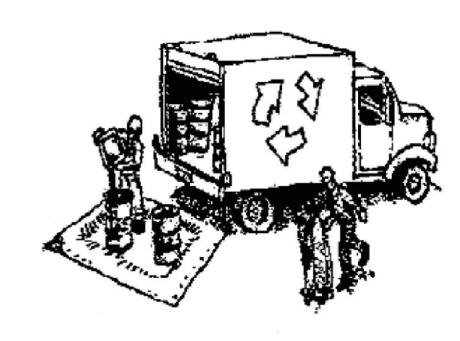
Construction Best Management Practices (BMPs)

Construction projects are required to implement the stormwater best management practices (BMP) on this page, as they apply to your project, all year long.

Clean Water. Healthy Community.

Prevention Program

Materials & Waste Management



Non-Hazardous Materials

- ☐ Berm and cover stockpiles of sand, dirt or other construction material with tarps when rain is forecast or if not actively being used within
- ☐ Use (but don't overuse) reclaimed water for dust control.

Hazardous Materials

- ☐ Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, county, state and federal regulations.
- ☐ Store hazardous materials and wastes in water tight containers, store in appropriate secondary containment, and cover them at the end of every work day or during wet weather or when rain is forecast.
- ☐ Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecast within 24 hours.
- ☐ Arrange for appropriate disposal of all hazardous wastes.

Waste Management

- ☐ Cover waste disposal containers securely with tarps at the end of every work day and during wet weather.
- ☐ Check waste disposal containers frequently for leaks and to make sure they are not overfilled. Never hose down a dumpster on the construction site.
- ☐ Clean or replace portable toilets, and inspect them frequently for leaks and spills.
- ☐ Dispose of all wastes and debris properly. Recycle materials and wastes that can be recycled (such as asphalt, concrete, aggregate base materials, wood, gyp board, pipe, etc.)
- ☐ Dispose of liquid residues from paints, thinners, solvents, glues, and cleaning fluids as hazardous waste.

Construction Entrances and Perimeter

- ☐ Establish and maintain effective perimeter controls and stabilize all construction entrances and exits to sufficiently control erosion and sediment discharges from site and tracking off site.
- ☐ Sweep or vacuum any street tracking immediately and secure sediment source to prevent further tracking. Never hose down streets to clean up tracking.

Equipment Management & Spill Control



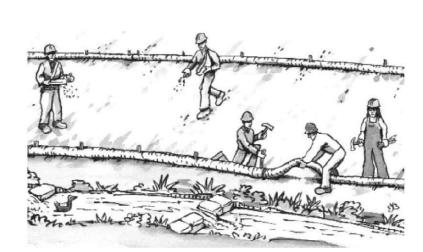
Maintenance and Parking

- ☐ Designate an area, fitted with appropriate BMPs, for vehicle and equipment parking and storage.
- ☐ Perform major maintenance, repair jobs, and vehicle and equipment washing off site. ☐ If refueling or vehicle maintenance must be done
- onsite, work in a bermed area away from storm drains and over a drip pan big enough to collect fluids. Recycle or dispose of fluids as hazardous waste.
- ☐ If vehicle or equipment cleaning must be done onsite, clean with water only in a bermed area that will not allow rinse water to run into gutters, streets, storm drains, or surface waters.
- ☐ Do not clean vehicle or equipment onsite using soaps, solvents, degreasers, steam cleaning equipment, etc.

Spill Prevention and Control

- ☐ Keep spill cleanup materials (rags, absorbents, etc.) available at the construction site at all times.
- ☐ Inspect vehicles and equipment frequently for and repair leaks promptly. Use drip pans to catch leaks until repairs are made.
- ☐ Clean up spills or leaks immediately and dispose of cleanup materials properly.
- ☐ Do not hose down surfaces where fluids have spilled. Use dry cleanup methods (absorbent materials, cat litter, and/or rags).
- Sweep up spilled dry materials immediately. Do not try to wash them away with water, or bury them.
- ☐ Clean up spills on dirt areas by digging up and properly disposing of contaminated soil.
- ☐ Report significant spills immediately. You are required by law to report all significant releases of hazardous materials, including oil. To report a spill: 1) Dial 911 or your local emergency response number, 2) Call the Governor's Office of Emergency Services Warning Center, (800) 852-7550 (24 hours).

Earthwork & Contaminated **Soils**



Erosion Control

- ☐ Schedule grading and excavation work for dry weather only.
- ☐ Stabilize all denuded areas, install and maintain temporary erosion controls (such as erosion control fabric or bonded fiber matrix) until vegetation is established.
- ☐ Seed or plant vegetation for erosion control on slopes or where construction is not immediately planned.

Sediment Control

- ☐ Protect storm drain inlets, gutters, ditches, and drainage courses with appropriate BMPs, such as gravel bags, fiber rolls, berms, etc.
- ☐ Prevent sediment from migrating offsite by installing and maintaining sediment controls, such as fiber rolls, silt fences, or sediment basins.
- ☐ Keep excavated soil on the site where it will not collect into the street.
- ☐ Transfer excavated materials to dump trucks on the site, not in the street.
- ☐ Contaminated Soils
- ☐ If any of the following conditions are observed, test for contamination and contact the Regional Water Quality Control Board:
- Unusual soil conditions, discoloration, or odor.

Storm drain polluters may be liable for fines of up to \$10,000 per day!

- Abandoned underground tanks.
- Abandoned wells
- Buried barrels, debris, or trash.

Paving/Asphalt Work

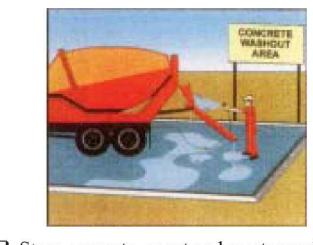


- ☐ Avoid paving and seal coating in wet weather, or when rain is forecast before fresh pavement will have time to cure.
- ☐ Cover storm drain inlets and manholes when applying seal coat, tack coat, slurry seal, fog seal, etc.
- ☐ Collect and recycle or appropriately dispose of excess abrasive gravel or sand. Do NOT sweep or wash it into gutters.
- ☐ Do not use water to wash down fresh asphalt concrete pavement.

Sawcutting & Asphalt/Concrete Removal

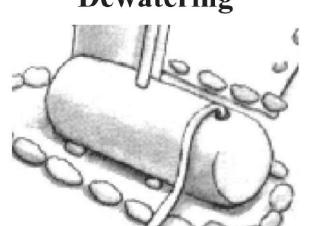
- ☐ Completely cover or barricade storm drain inlets when saw cutting. Use filter fabric, catch basin inlet filters, or gravel bags to keep slurry out of the storm drain
- ☐ Shovel, abosorb, or vacuum saw-cut slurry and dispose of all waste as soon as you are finished in one location or at the end of each work day (whichever is
- ☐ If sawcut slurry enters a catch basin, clean it up immediately.

Concrete, Grout & Mortar **Application**

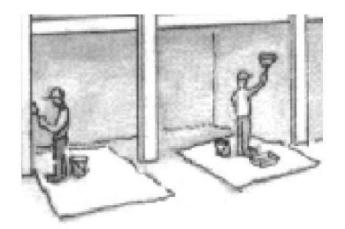


- ☐ Store concrete, grout and mortar under cover, on pallets and away from drainage areas. These materials must never reach a storm drain.
- ☐ Wash out concrete equipment/trucks offsite or in a contained area, so there is no discharge into the underlying soil or onto surrounding areas. Let concrete harden and dispose of as garbage.
- ☐ Collect the wash water from washing exposed aggregate concrete and remove it for appropriate disposal offsite.

Dewatering



- ☐ Effectively manage all run-on, all runoff within the site, and all runoff that discharges from the site. Divert run-on water from offsite away from all disturbed areas or otherwise ensure compliance.
- ☐ When dewatering, notify and obtain approval from the local municipality before discharging water to a street gutter or storm drain. Filtration or diversion through a basin, tank, or sediment trap may be required.
- ☐ In areas of known contamination, testing is required prior to reuse or discharge of groundwater. Consult with the Engineer to determine whether testing is required and how to interpret results. Contaminated groundwater must be treated or hauled off-site for proper disposal.



Painting cleanup

- ☐ Never clean brushes or rinse paint containers into a street, gutter, storm drain, or surface waters.
- ☐ For water-based paints, paint out brushes to the extent possible. Rinse to the sanitary sewer once you have gained permission from the local wastewater treatment authority. Never pour paint
- ☐ For oil-based paints, paint out brushes to the extent possible and clean with thinner or solvent in a proper container. Filter and reuse thinners and solvents. Dispose of residue and unusable thinner/solvents as hazardous waste.

Paint removal

- ☐ Chemical paint stripping residue and chips and dust from marine paints or paints containing lead or tributyltin must
- ☐ Paint chips and dust from non-hazardous dry stripping and sand blasting may be swept up or collected in plastic drop

Landscape Materials



- ☐ Stack erodible landscape material on pallets. Cover or store these materials when they are not actively being used or
- ☐ Discontinue application of any erodible landscape material within 2 days before a forecast rain event or during wet weather.

Painting & Paint Removal

- down a drain.

- be disposed of as hazardous waste.
- cloths and disposed of as trash.



- ☐ Contain stockpiled landscaping materials by storing them under tarps when they are not actively being used.

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Woodside Elementary School **Underground Utility** Gas Piping Repair

3195 Woodside Road





Redwood City, CA 94065

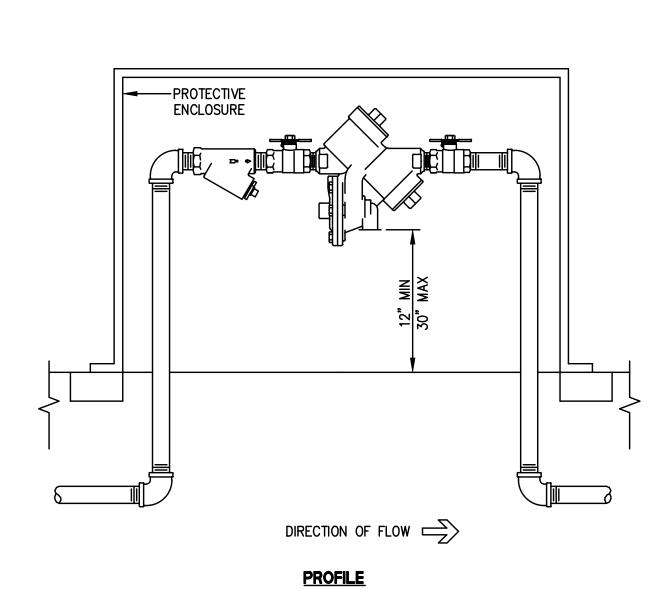
Date Issued For 04.08.20 Contractor Bid Set

(650) 482-6300

SCALE: NO SCALE

20200196-10 **BEST MANAGEMENT PRACTICES**

C4.1



NOTES:

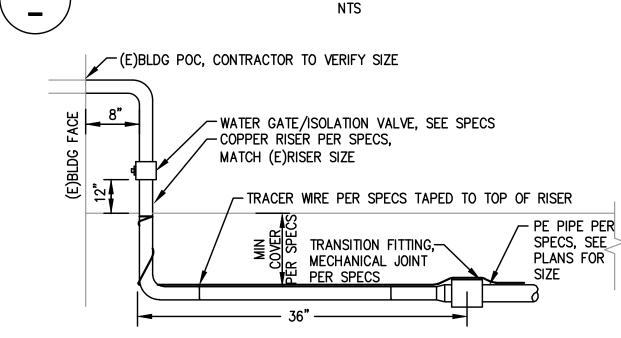
- REDUCED PRESSURE BACKFLOW ASSEMBLY TO BE WILKINS 975XL OR APPROVED EQUAL.
- SEE PLAN FOR REDUCED PRESSURE BACKFLOW ASSEMBLY LOCATION. TO BE INSTALLED PER CAL WATER STANDARDS AND PER MANUFACTURER'S RECOMMENDATIONS. 4. PROVIDE ONE COMMON FIBERGLASS HOTBOX ENCLOSURE, WITH PADLOCK, ON CONCRETE PAD

FOR REDUCED PRESSURE BACKFLOW ASSEMBLY AND IRRIGATION BACKFLOW ASSEMBLY.

REDUCED PRESSURE **BACKFLOW ASSEMBLY** (E)BLDG POC. CONTRACTOR TO VERIFY SIZE -GAS REGULATOR, SEE SPECS GAS SHUT OFF VALVE, SEE SPECS ANODELESS RISER COMPLYING WITH ASTM D2513, SEE SPECS - STEEL SLEEVE THROUGH PAVEMENT (SEE NOTE 2) TRACER WIRE PER SPECS TAPED TO TOP OF RISER TRANSITION FITTING - MDPE PIPE PER ASTM D2513 PER SPECS, SEE SPECS SEE PLANS FOR SIZE NOTES:

- 1. ALWAYS MAINTAIN A MINIMUM DISTANCE OF 36" BETWEEN THE VERTICAL CENTERLINE OF THE RISER AND THE TRANSITION FITTING.
- 2. IF THE AREA AROUND THE GAS RISER IS GOING TO BE PAVED, INTALL A MINIMUM 3-INCH DIAMETER STEEL SLEEVE AROUND THE RISER, SEE SPECS.

GAS RISER TRANSITION

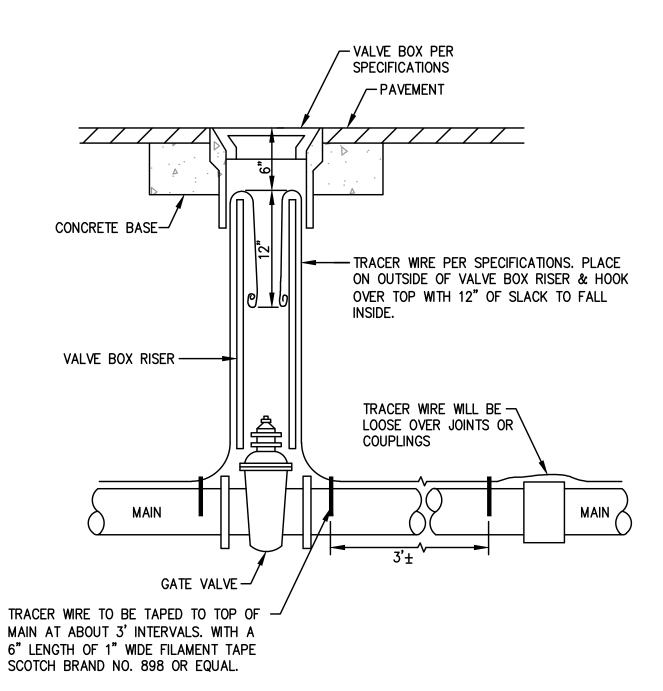


NOTES:

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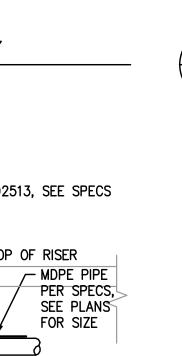
1. ALWAYS MAINTAIN A MINIMUM DISTANCE OF 36" BETWEEN THE VERTICAL CENTERLINE OF THE RISER AND THE TRANSITION FITTING.



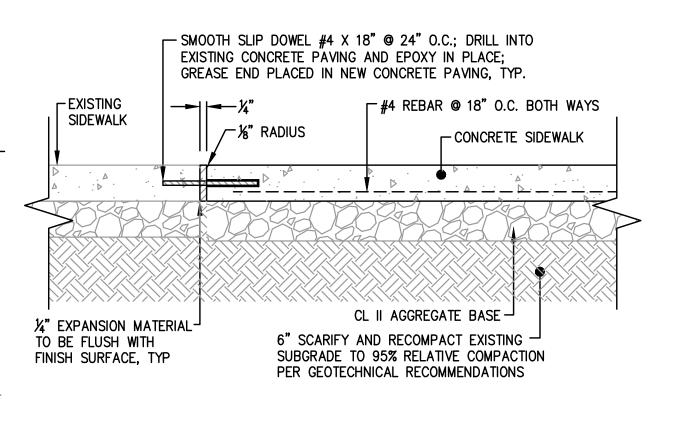


NOTES:

1. POLYETHYLENE GAS VALVES SHALL COMPLY WITH ASME B16.40, REFER TO SPECIFICATIONS.

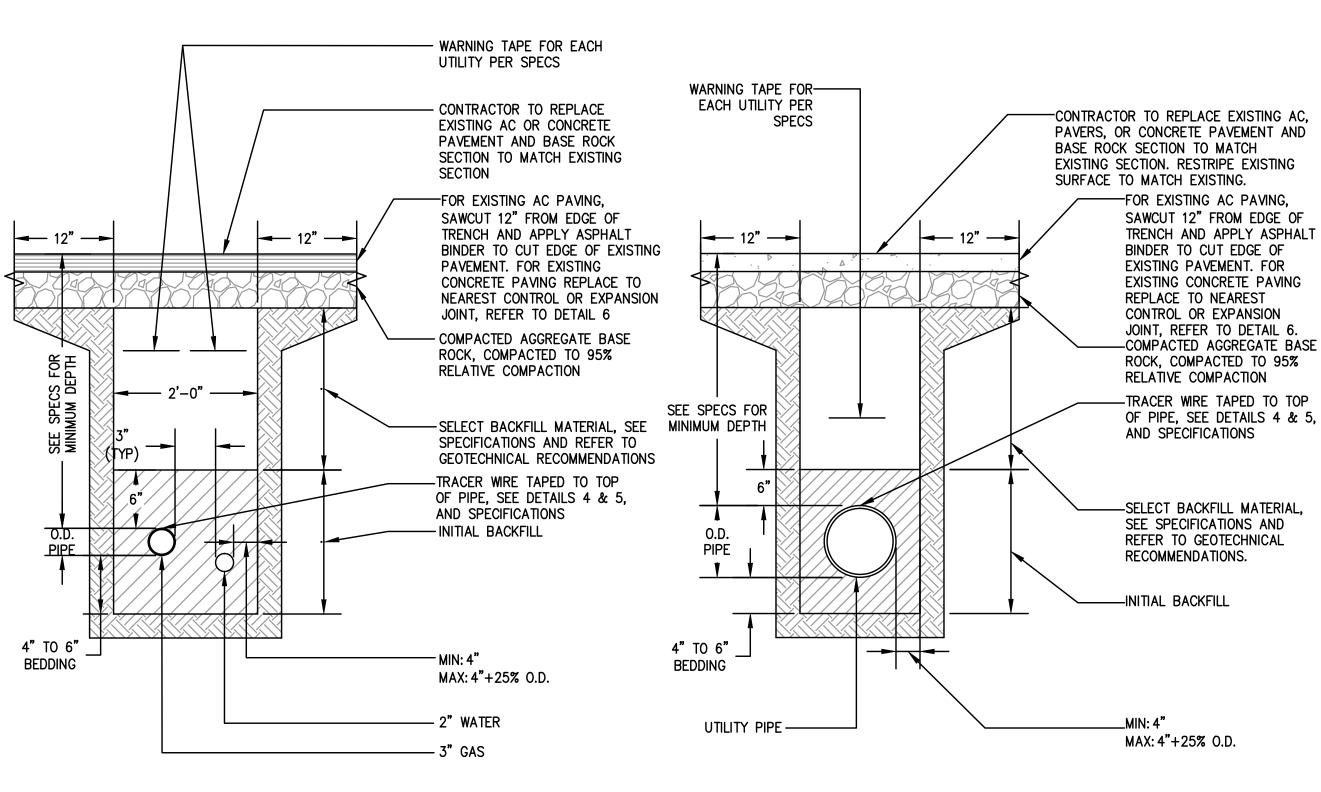




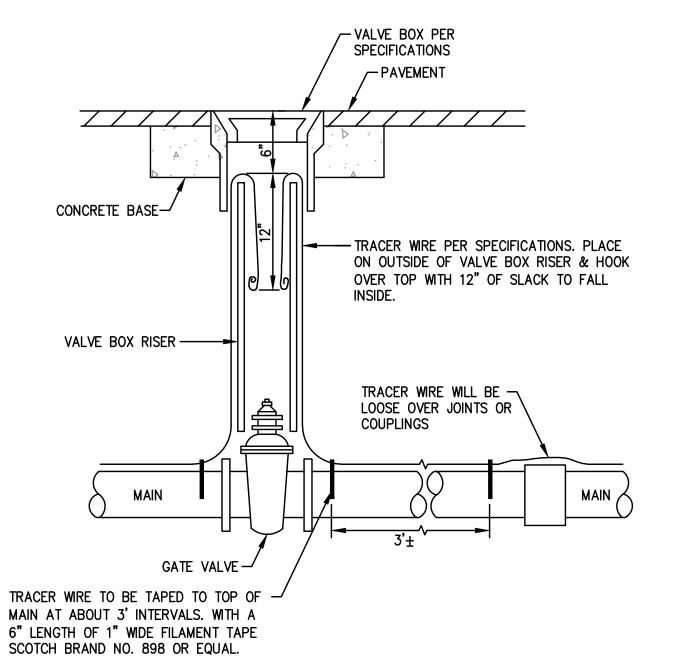


1. PROVIDE EXPANSION JOINT AT ALL VERTICAL SURFACES AND BACKS OF CURB.





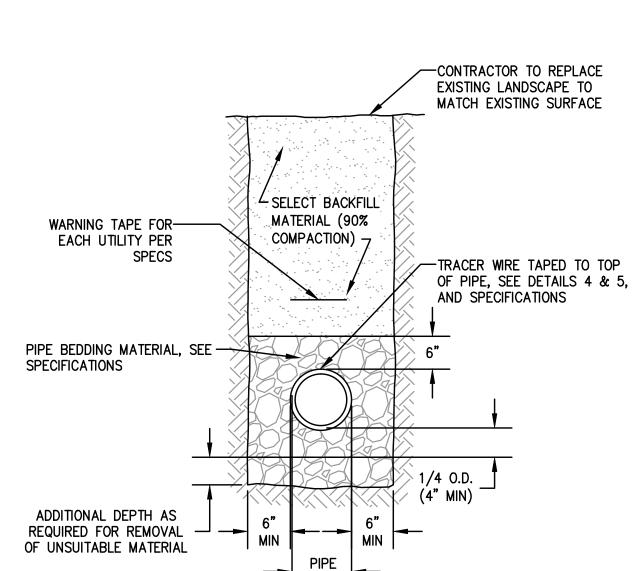




NOTES:

1. VALVE SHALL BE GATE VALVE CONFORMING TO AWWA C500 OR AWWA C509, UL 262, FM 1120 AND FM 1130 AND OF ONE MANUFACTURER. VALVES SHALL HAVE A NON-RISING STEM, A 2-INCH SQUARE NUT, AND DOUBLE DISC GATES. REFER TO SPECIFICATIONS.





O.D.

PIPE BACKFILL ON-SITE LANDSCAPE

PIPE BACKFILL ON-SITE

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

APP #: 01-118889

Woodside Elementary **School District**

Woodside Elementary School **Underground Utility** Gas Piping Repair

3195 Woodside Road Woodside CA 94062

C 78436



Date Issued For

04.08.20 Contractor Bid Set

SCALE: AS SHOWN

20200196-10

DETAIL SHEET