CITY STANDARD GRADING & DRAINAGE NOTES:

Note: This drawing is approved subject to:

1. All grading is subject to observation by the City. Permittee or representative shall notify the City of San Jose Department of Public Works Project Inspector at least 48 hours before start of any grading.

The Project Inspector is Yvenne Williams Voicemail No. (408) 975-7415

- Approval of this plan applies only to (A) the excavation, placement, and compaction of natural earth materials, (B) the installation of on-site (i.e. private property) storm water conveyance and treatment facilities that are outside of the 5-foot Building envelope, and (C) the installation of retaining structures. This approval does not confer any rights of entry to either public property or the private property of others. Approval of this plan also does not constitute approval of any improvements with the exception of those listed above. Proposed improvements, with the exception of those listed above, are subject to review and approval by the responsible authorities and all other required permits shall be obtained.
- Unless otherwise noted on the plan, any depiction of a retaining structure on this plan shall not constitute approval for construction of the retaining structure unless a separate structural review, by the Department of Public Works is completed and approved
- 4. It shall be the responsibility of the Permittee or agent to identify, locate and protect all underground facilities
- 5. The permittee or agent shall maintain the streets, sidewalks and all other public rights-of-way in a clean, safe and usable condition. All spills of soil, rock or construction debris shall be removed from the publicly owned property during construction and upon completion of the project. All adjacent property, private or public shall be maintained in a clean, safe and usable condition.
- 6. All grading shall be performed in such a manner as to comply with the standards established by the Air Quality Management District for airborne particulates.
- 7. This project has been designed to comply with the Flood Hazard Area Regulations as stated in Chapter 17.08 of the San Jose Municipal Code.
- All known well locations on the site have been included and such wells shall be maintained or abandoned according to current regulations administered by the Santa Clara Valley Water District. Call (408) 265-2600 Extension 2660 to arrange for District observation of all well abandonments.
- In the event that Human Remains and/or Cultural Materials are found, all project-related construction should cease within a 100-foot radius. The contractor shall, pursuant to section 7050.5 of the Health and Safety code, and section 5097.94 of the Public Resources Code of the State of California, notify the Santa Clara County
- 10. This plan does not approve the removal of trees. Appropriate tree removal permits and methods of tree preservation should be obtained from the City's Planning Department and the City Arborist.
- 11. For non-residential projects, any non-hazardous export resulting from project related excavation or land clearing shall be 100% reused and recycled per California Green Building Standards Code section 5.408.
- 12. Civil Engineer Information and Statements:

hydraulic calculations.

- A. The Civil Engineer for this project is: PRECISION ENGINEERING AND CONSTRUCTION, INC. TRAVIS LUTZ, P.E.
- 901 WALTERMIRE STREET, BELMONT, CA 94002. B. This Rough Grading Plan has been prepared under the direction of a licensed engineer and designed

BY WAYNE TING AND ASSOCIATES, INC. DATED AUGUST 19, 2015

based on the recommendations of the referenced project Geotechnical Report.

- C. The stormwater conveyance system has been designed in accordance with the appropriate Building and Plumbing Codes or has been proven to be designed with adequate capacity through signed and sealed
- 13. Soils Engineer Information and Requirements: A. The Soil Engineer for this project is: (Name and Address) WAYNE TING AND ASSOCIATES, INC.
 - B. The Geotechnical Report for this project is:

the owner to observe the construction stating:

compatible," and supply supporting data; or

Tucker at (408) 795-1865.

42329 OSGOOD ROAD, UNIT A, FREMONT, CA 94539

- C. All grading work shall conform to the recommendations of the project Geotechnical Report and/or
- D. All grading work shall be observed and approved by the Soil Engineer. The Soil Engineer shall be notified at least 48 hours before beginning any grading. Unobserved and/or unapproved grading
- work shall be removed and replaced under observation. 14. A post construction "Final" Report is required by the Director of Public Works from a Civil Engineer retained by
- A. "That the construction conforms to the lines and grades on the approved plans;" or

from an Engineering Geologist if the project is in a Geologic Hazard Zone, stating:

- B. "that all significant changes were reviewed and approved in advance by the Department of Public Works" and the Civil Engineer shall submit a "Record Drawing" plan.
- 15. A post construction "Final" Report is required by the Director of Public Works from a Soil Engineer, and also
- A. "that the anticipated conditions and materials and actual site conditions and materials were
- B. "that the design was modified to meet the new conditions and was reviewed and approved in
- 16. According to the City's Waste Water Ordinance, the use of potable (piped or hydrant) water for building or construction purposes including consolidation of backfill or dust control is prohibited.

Reclaimed water is available (on a cost recovery basis) from the City's Environmental Services Department, Water Pollution Control Division located at 700 Los Esteros Road. For more information, please call David

advance by the Department of Public Works;" and provide supporting data for these statements.

An application for an Exception Permit to approve use of hydrant water can be considered in the PW Development Services Office. Fax-back service is provided for this permit application -- contact (408) 535-7802.

Grading will not be allowed between October 1st and April 30th of any year without Erosion Control plans and measures approved by the Director of Public Works. Stormwater pollution prevention measures in accordance with City specifications and with the document "Clean Bay Blueprint" shall be implemented throughout the year to the satisfaction of the Director of Public Works.

GRADING & DRAINAGE PLAN 1072 WYRTLE STREET

APN 230-21-075 SAN JOSE, CA

()1 470F T 125,007(A)

RESIDENCE

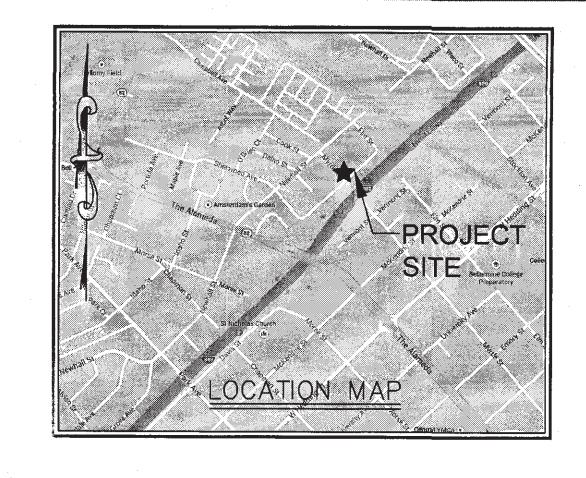
FF = 89.65

PROPOSED

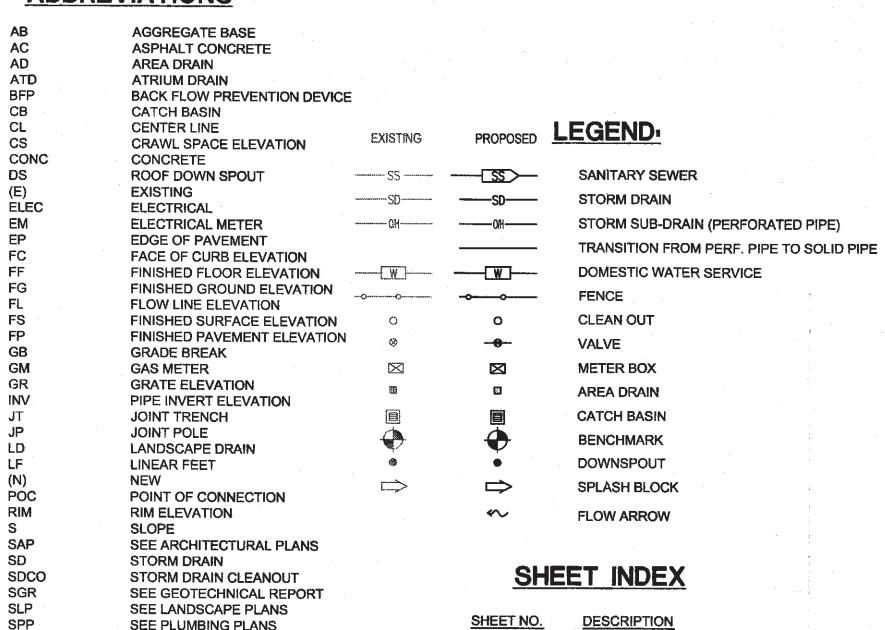
RESIDENCE...

FF = 69.65

MYRTLE STREET



ABBREVIATIONS



SEE PLUMBING PLANS

SANITARY SEWER CLEANOUT

SEE STRUCTURAL PLANS

DOMESTIC WATER LINE

SANITARY SEWER

WATER METER

ssco

SSP

TYP

ENGINEERING AND AND ANSTR/ICTION, INC. TITLE SHEET NOTES GRADING PLAN UTILITY PLAN **DETAIL SHEET BLUEPRINT FOR CLEAN BAY**

APPROVED FOR GRADING AND DRAINAGE ONLY DEPARTMENT OF PUBLIC WORKS CITY OF SAN JOSE, CALIFORNIA

Man C. The #15-035564 GR

03/17/16 03/17/17

Expiration Date

PAVEMENT SECTION LEGEND-SEE GEOTECHNICAL REPORT FOR EXACT ON-SITE PAVEMENT SECTIONS.

GRAPHIC SCALE 1" = 20"

GRADING OPERATIONS AND OVER-EXCAVATION REQUIREMENTS.

GRAVEL

4" CONCRETE W/#4 BARS 12" O.C. - EACH WAY OVER 8" OF CALTRANS CLASS 2 BASE ROCK.

SEE LANDSCAPE ARCHITECTURAL PLANS.



WOOD DECK SAP

SEE LANDSCAPE ARCHITECTURAL PLANS.

EARTH WORK QUANTITIES CUT: <u>15 CY</u> FILL: 150 CY EXPORT: <u>0 CY</u> IMPORT: 135 CY

NOTE: EARTHWORK QUANTITIES SHOWN ARE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INDEPENDENTLY ESTIMATE QUANTITIES FOR HIS/HER OWN USE.

GEOTECHNICAL ENGINEER OF RECORD

Permit Number

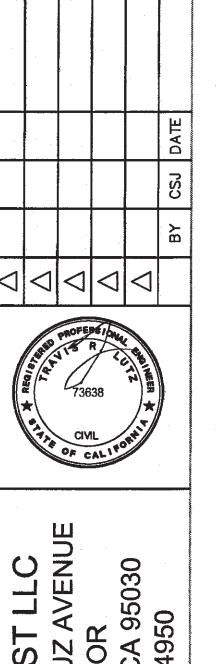
THIS PLAN HAS BEEN REVIEWED AND FOUND TO BE IN GENERAL CONFORMANCE WITH THE INTENT AND PURPOSE OF THE GEOTECHNICAL REPORT.

TING AND ASSOCIATES, INC. PREPARED BY (COMPANY NAME) BY C.E. #46276

DATE OF REPORT



REV. DATE MAY 2014



SHEET

Of 6 SHEETS PW PROJECT# 3 - 18932

CAUTION

- 1. THE LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS PLAN WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. (A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES). CONTRACTOR SHALL VERIFY LOCATION AND DEPTH PRIOR TO ANY EXCAVATION OR IMPROVEMENT.
- 2. 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 AND SHALL CLEARLY MARK (AND THEN PRESERVE THESE MARKERS) FOR THE DURATION OF CONSTRUCTION OF ALL TELEPHONE, DATA, STREET LIGHT, SIGNAL LIGHT AND POWER FACILITIES THAT ARE IN OR NEAR THE AREA OF CONSTRUCTION PRIOR TO BEGINNING ANY WORK ON THIS SITE.
- 3. THESE DRAWINGS DO NOT ADDRESS CONTRACTOR MEANS AND METHODS OF CONSTRUCTION OR PROCESSES THAT MAY BE ASSOCIATED WITH ANY TOXIC SOILS IF FOUND ON SITE. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL CITY AND COUNTY STANDARDS AND APPROPRIATE REGULATIONS IF TOXIC SOILS ARE ENCOUNTERED OR SUSPECTED OF BEING CONTAMINATED.

GENERAL SITE NOTES

- 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. 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.
- 3. ALL WORK ON-SITE AND IN THE PUBLIC RIGHT-OF-WAY SHALL CONFORM TO ALL APPLICABLE GOVERNING AGENCIES STANDARD DETAILS & SPECIFICATIONS.
- 4. 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 DISTRICT, THE CONSULTING ENGINEER AND THE CITY 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 DISTRICT OR THE CONSULTING ENGINEER.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING THE JOB SITE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT UNAUTHORIZED PERSONS ON THE JOB SITE BY PROVIDING A CONSTRUCTION FENCE AROUND THE ENTIRE AREA OF DEMOLITION AND CONSTRUCTION, INCLUDING ALL STAGING AND STORAGE AREAS. CONSTRUCTION FENCE SHALL BE A MINIMUM OF A 6' HIGH GALVANIZED CHAIN LINK WITH GREEN WINDSCREEN FABRIC ON THE OUTSIDE OF THE FENCE.
- 7. EXISTING PEDESTRIAN WALKWAYS, BIKE PATHS AND ACCESSIBLE PATHWAYS SHALL BE MAINTAINED, WHERE FEASIBLE, DURING CONSTRUCTION.
- 8. IF A CONFLICT ARISES BETWEEN THE SPECIFICATIONS AND THE PLAN NOTES, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.
- 9. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT IF ONE EXISTS.

EXISTING CONDITIONS:

- 1. EXISTING TOPOGRAPHIC SURVEYS PERFORMED BY ALPHA LAND SURVEYS, INC. DATED SEPTEMBER 17, 2014 (JOB #2014-089), 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 AGREES TO HOLD ENGINEER HARMLESS FROM ANY AND ALL OCCURRENCES RESULTING FROM THE INACCURACIES OF THE CLIENT SUPPLIED TOPOGRAPHIC AND/OR BOUNDARY SURVEY (PREPARED BY OTHERS).

DEMOLITION NOTES

- 1. THESE PLANS DO NOT AUTHORIZE THE DEMOLITION OF ANY STRUCTURES ONSITE. CONTRACTOR/OWNER TO OBTAIN DEMOLITION PERMIT FROM BUILDING DEPARTMENT PRIOR TO DEMOLISHING ANY STRUCTURES ONSITE.
- 2. PRIOR TO BEGINNING DEMOLITION WORK ACTIVITIES, CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES OUTLINED IN THE EROSION CONTROL PLAN & DETAILS.
- 3. 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.
- 4. CONTRACTOR IS TO COMPLY WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS, INCLUDING BUT NOT LIMITED TO, THE SAFETY AND HEALTH STANDARDS LAWS AND REGULATIONS AND REMOVAL AND DISPOSAL OF HAZARDOUS MATERIAL(S).
- 5. CONTRACTOR'S BID IS TO INCLUDE ALL VISIBLE SURFACE AND ALL SUBSURFACE FEATURES IDENTIFIED TO BE REMOVED OR ABANDONED IN THESE DOCUMENTS.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR A SITE INSPECTION TO FULLY ACKNOWLEDGE THE EXTENT OF THE DEMOLITION WORK.
- 7. 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.
- 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. BACKFILL ALL DEPRESSIONS AND TRENCHES FROM DEMOLITION. REMOVAL OF LANDSCAPING SHALL INCLUDE ROOTS AND ORGANIC MATERIALS.
- 10. REMOVAL OF LANDSCAPING SHALL INCLUDE ROOTS AND ORGANIC MATERIALS TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER.
- 11. 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 OWNER.
- 12. COORDINATE ALL UTILITY SHUT-DOWN/DISCONNECT LOCATIONS WITH APPROPRIATE DRAWINGS (ELECTRICAL, MECHANICAL, ARCHITECTURAL, ETC.). CONTRACTOR IS TO SHUT OFF ALL UTILITIES AS NECESSARY PRIOR TO DEMOLITION. CONTRACTOR IS TO COORDINATE SERVICE INTERRUPTIONS WITH THE OWNER. DO NOT INTERRUPT SERVICES TO ADJACENT OFF-SITE OWNERS. 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.
- 13. 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. WHERE EXISTING FEATURES ARE NOT SHOWN, IT IS NOT IMPLIED THAT THEY ARE NOT TO BE DEMOLISHED OR REMOVED. 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 STRUCTURES AND UTILITIES AND QUANTITY OF WORK INVOLVED IN REMOVING THESE ITEMS FROM THE SITE.

TREE/PLANT PROTECTION NOTES:

- 1. PRIOR TO BEGINNING CONSTRUCTION ON SITE, CONTRACTOR SHALL IDENTIFY AND PROTECT EXISTING TREES AND PLANTS DESIGNATED AS TO REMAIN.
- PROTECT EXISTING TREES TO REMAIN FROM SPILLED CHEMICALS, FUEL OIL, MOTOR OIL, GASOLINE AND ALL OTHER CHEMICALLY INJURIOUS MATERIAL; AS WELL AS FROM PUDDLING OR CONTINUOUSLY RUNNING WATER. SHOULD A SPILL OCCUR, STOP WORK IN THAT AREA AND CONTACT THE CITY'S ENGINEER/INSPECTOR IMMEDIATELY, CONTRACTOR SHALL BE RESPONSIBLE TO MITIGATE DAMAGE FROM SPILLED MATERIAL AS WELL AS MATERIAL CLEAN UP.
- 3. CONTRACTOR SHALL BE RESPONSIBLE FOR ONGOING MAINTENANCE OF ALL TREES DESIGNATED TO REMAIN AND FOR MAINTENANCE OF RELOCATED TREES STOCKPILED DURING CONSTRUCTION. CONTRACTOR WILL BE REQUIRED TO REPLACE TREES THAT DIE DUE TO LACK OF MAINTENANCE.

HORIZONTAL CONTROL NOTES

1. ALL DIMENSIONS ON THE PLANS ARE IN FEET OR DECIMALS THEREOF UNLESS SPECIFICALLY CALLED OUT AS FEET AND INCHES.

PAVEMENT SECTION.

- 1. SEE STRUCTURAL DRAWINGS FOR BUILDING SLAB SECTIONS AND PAD PREPARATIONS.
- 2. SEE GEOTECHNICAL REPORT FOR ALL FLATWORK AND VEHICULAR PAVEMENT SECTIONS AND BASE REQUIREMENTS.
- 3. THE FINAL OR SURFACE LAYER OF ASPHALT CONCRETE SHALL NOT BE PLACED UNTIL ALL ON-SITE IMPROVEMENTS HAVE BEEN COMPLETED, INCLUDING ALL GRADING, AND ALL UNACCEPTABLE CONCRETE WORK HAS BEEN REMOVED AND REPLACED, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER AND/OR DEVELOPER'S CIVIL ENGINEER.
- 4. ALL PAVING SHALL BE IN CONFORMANCE WITH SECTION 26 "AGGREGATE BASE" AND SECTION 39 "ASPHALT CONCRETE" PER LATEST EDITION OF CALTRANS STANDARD SPECIFICATIONS.

GRADING NOTES

- PROVIDE POSITIVE SURFACE DRAINAGE AWAY FROM ALL STRUCTURES BY SLOPING THE FINISHED GROUND SURFACE AT LEAST 5%, UNLESS OTHERWISE NOTED ON THE PLANS. SLOPE LANDINGS 2% (1/4" PER FOOT) AWAY FROM, STRUCTURES UNLESS OTHERWISE NOTED ON PLANS. ANY AREAS ON THE SITE NOT CONFORMING TO THESE BASIC RULES DUE TO EXISTING CONDITIONS OR DISCREPANCIES IN THE DOCUMENTS ARE TO BE REPORTED TO THE CIVIL. ENGINEER PRIOR TO PROCEEDING WITH PLACEMENT OF BASE ROCK OR FORMWORK FOR CURBS AND/OR FLATWORK.
- CONTRACTOR SHALL DETERMINE EARTHWORK QUANTITIES BASED ON THE TOPOGRAPHIC SURVEY, THE GEOTECHNICAL INVESTIGATION AND THE PROPOSED SURFACE THICKNESS AND BASE THE BID ACCORDINGLY. IT IS THE CONTRACTORS RESPONSIBILITY TO CONFIRM IF A SEPARATE DEMOLITION CONTRACT HAS BEEN ISSUED TO TAKE THE SITE FROM THE WAY IT IS AT THE TIME OF THE BID TO THE CONDITIONS DESCRIBED IN THESE DOCUMENTS. BRING ANY DIFFERENCES BETWEEN THE STATE IN WHICH THE SITE IS DELIVERED TO THE CONTRACTOR AND THESE DOCUMENTS TO THE ATTENTION OF THE CIVIL
- 3. ALL FILL SHALL BE COMPACTED PER THE GEOTECHNICAL REPORT AND THE CONTRACTOR SHALL COORDINATE AND COMPLY WITH THE PROJECT GEOTECHNICAL ENGINEER TO TAKE THE APPROPRIATE TESTS TO VERIFY COMPACTION VALUES.
- 4. IMPORT SOILS SHOULD MEET THE REQUIREMENTS OF THE SOILS REPORT AND
- 5. DO NOT ADJUST GRADES ON THIS PLAN WITHOUT PRIOR WRITTEN APPROVAL OF THE CIVIL ENGINEER.
- 6. SITE STRIPPINGS THAT CONTAIN ONLY ORGANIC MATERIAL (NO DEBRIS TRASH, BROKEN CONC. OR ROCKS GREATER THAN 1" IN DIAMETER) MAY BE USED IN LANDSCAPE AREAS, EXCEPT FOR AREAS IDENTIFIED AS IMPORT TOP SOIL BY THE LANDSCAPE DRAWINGS. EXCESS STRIPPINGS SHALL BE REMOVED FROM SITE.
- ROUGH GRADING TO BE WITHIN 0.1' AND FINISH GRADES ARE TO BE WITHIN 0.05', HOWEVER CONTRACTOR SHALL NOT CONSTRUCT ANY IMPROVEMENTS THAT WILL CAUSE WATER TO POND OR NOT MEET REQUIREMENTS IN GRADING NOTE
- THE CONTRACTOR SHALL EXERCISE EXTREME CARE TO CONFORM TO THE LINES, GRADES, SECTIONS, AND DIMENSIONS AS SET FORTH ON THESE PLANS. ALL GRADED AREAS SHALL CONFORM TO THE VERTICAL ELEVATIONS SHOWN WITH A TOLERANCE OF ONE-TENTH OF A FOOT. WHERE GRADED AREAS DO NOT CONFORM TO THESE TOLERANCES, THE CONTRACTORS SHALL BE REQUIRED TO DO CORRECTIVE GRADING, AT NO EXTRA COST TO THE CLIENT.
- 9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THE GROUND ELEVATIONS AND OVERALL TOPOGRAPHY OF THE SITE PRIOR TO THE START OF CONSTRUCTION AS TO THE ACCURACY BETWEEN THE WORK SET FORTH ON THESE PLANS AND THE WORK IN THE FIELD. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER AND CIVIL ENGINEER IN WRITING PRIOR TO START OF CONSTRUCTION WHICH MAY REQUIRE CHANGES IN DESIGN AND/OR AFFECT THE EARTHWORK QUANTITIES.
- 10. THE CONTRACTOR SHALL ADJUST TO FINAL GRADE ALL EXISTING MANHOLES, CURB INLETS, CATCH BASINS, VALVES, MONUMENT COVERS, AND OTHER CASTINGS WITHIN THE WORK AREA TO FINAL GRADE IN PAVEMENT AND LANDSCAPE AREAS UNLESS NOTED OTHERWISE.

STORM DRAIN NOTES

- 1. USE DETECTABLE METALIZED WARNING TAPE APPROXIMATELY 6" BELOW THE SURFACE. TAPE SHALL BE A BRIGHT COLOR AND IMPRINTED WITH "CAUTION-BURIED STORM DRAIN LINE BELOW
- 2. PRIVATE STORM DRAIN LINE 4-INCH THROUGH 12-INCH IN NON-TRAFFIC AREAS SHALL BE INSTALLED WITH A MINIMUM OF EIGHTEEN (18) INCHES OF COVER AND SHALL BE POLYVINYL CHLORIDE (PVC) SDR 35. ALL DIRECTION CHANGES SHALL BE MADE WITH WYE CONNECTIONS, 22.5° ELBOWS, 45° ELBOWS OR LONG SWEEP ELBOWS, 90° ELBOWS AND TEE's ARE PROHIBITED.
- 3. PRIVATE STORM DRAIN LINE 4-INCH THROUGH 12-INCH WITHIN VEHICULAR TRAFFIC AREAS SHALL BE INSTALLED WITH A MINIMUM OF EIGHTEEN (18) INCHES OF COVER AND SHALL BE POLYVINYL CHLORIDE (PVC) SDR 26 PIPE. ALL DIRECTION CHANGES SHALL BE MADE WITH WYE CONNECTIONS, OBTUSE ELBOWS OR LONG SWEEP ELBOWS, 90° ELBOWS AND TEE'S ARE PROHIBITED.
- 4. PAINT THE TOP OF THE CURBS ADJACENT TO EACH CATCH BASIN INSTALLED UNDER THIS WORK OR ADJACENT TO THIS SITE WITH THE WORDS "NO DUMPING". WORDING TO BE BLUE 4" HIGH LETTERS ON A PAINTED WHITE BACKGROUND.
- 5. ALL AREA DRAINS AND CATCH BASINS GRATES WITHIN PEDESTRIAN ACCESSIBLE AREAS SHALL MEET ADA REQUIREMENTS.
- 6. DRAINS SHOWN ON CIVIL PLANS ARE NOT INTENDED TO BE THE FINAL NUMBER AND LOCATION OF ALL DRAINS. PLACEMENT AND NUMBER OF LANDSCAPING DRAINS ARE HIGHLY DEPENDENT ON GROUND COVER TYPE AND PLANT MATERIAL. CONTRACTOR SHALL ADD ADDITIONAL AREA DRAINS AS NEEDED AND AS DIRECTED BY THE LANDSCAPE ARCHITECT/OWNER.
- 6. WHERE FEASIBLE ALL DOWNSPOUTS SHALL DISCHARGE TO A SPLASHBLOCK OR IMPERVIOUS SURFACE AND FLOW TO LANDSCAPED FEATURES BEFORE ENTERING THE DRAINAGE SYSTEM. USE OF AREA DRAINS (RATHER THAN DIRECT CONNECTION TO DRAINAGE SYSTEM) TO COLLECT ROOF/SURFACE WATER IS STRONGLY ENCOURAGED. OTHERWISE, DOWNSPOUTS SHALL BE CONNECTED TO THE STORM DRAIN SYSTEM WITH 4" PVC SDR 35 PIPE OR EQUIVALENT. SEE ARCHITECTURE PLANS FOR EXACT LOCATION OF THE DOWN SPOUTS.
- 7. CONTRACTOR SHALL INSTALL RAIN GUTTER GUARDS OR WIRE MESH ON ALL ROOF GUTTERS TO REDUCE THE AMOUNT TO LEAVES AND DEBRIS FROM **ENTERING THE STORM DRAIN SYSTEM**
- 8. ALL PLASTIC CONNECTIONS TO CONCRETE STRUCTURES SHALL BE BY WATER

GENERAL UTILITY SYSTEM NOTES .

- 1. UNDERGROUND UTILITIES OR STRUCTURES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS AND EXTENT BASED UPON FIELD OBSERVATION ONLY. NO GUARANTEE IS MADE TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. THE CONTRACTOR SHALL VERIFY THE TYPE, SIZE, LOCATION AND DEPTH OF ALL THE UTILITIES AND CROSSINGS TO ENSURE THEY ARE CORRECT AS SHOWN. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN EXCAVATING AND SHALL PROTECT ALL EXISTING UTILITIES FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS.
- 2. CONTRACTOR SHALL PREPARE AN ACCURATE COMPOSITE UTILITY PLAN THAT TAKES INTO ACCOUNT THE ACTUAL LOCATIONS OF EXISTING UTILITIES AS DETERMINED DURING THE DEMOLITION WORK, AND ALL PROPOSED UTILITIES SHOWN ON THE CIVIL, ELECTRICAL, JOINT TRENCH AND FIRE SPRINKLER DRAWINGS.
- 3. 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.
- 4. CONTRACTOR SHALL REPLACE ALL COVERS AND GRATE LIDS FOR MANHOLES, VAULTS, CATCH BASINS, ETC., WITH VEHICULAR-RATED STRUCTURES IN ALL TRAFFIC ACCESSIBLE AREAS.
- TRENCHES SHALL NOT BE LEFT OPEN OVERNIGHT IN EXISTING PUBLIC STREET AREAS, CONTRACTOR SHALL BACKFILL TRENCHES, OR PLACE STEEL PLATING WITH ADEQUATE CUTBACK TO PREVENT SHIFTING OF STEEL PLATE AND/OR HOT-MIX ASPHALT REQUIRED TO PROTECT OPEN TRENCHES AT THE END OF THE
- 6. ALL TRENCHES SHALL BE BACK FILLED PER THE SPECIFICATIONS WITH APPROPRIATE TESTS BY THE GEOTECHNICAL ENGINEER TO VERIFY COMPACTION
- 7. CLEAN OUTS, CATCH BASINS, MANHOLES, AREA DRAINS AND UTILITY VAULTS 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). CONTRACTOR SHALL STAKE LOCATIONS OF ABOVE GROUND UTILITY EQUIPMENT (BACKFLOW PREVENTOR, TRANSFORMER, UTILITY METERS, ETC.) AND MEET WITH OWNER TO REVIEW LOCATION PRIOR TO INSTALLATION.
- 8. ALL UTILITY SYSTEMS (SANITARY SEWER, STORM DRAIN, WATER SYSTEM, ETC.) 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 INTENDED.
- 9. 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 TO 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.
- 10. CONTRACTOR SHALL UNCOVER AND EXPOSE ALL EXISTING UTILITIES WHERE THEY ARE TO BE CROSSED ABOVE OR BELOW BY THE NEW FACILITY BEING CONSTRUCTED IN ORDER TO VERIFY THE GRADE AND TO ASSURE THAT THERE IS SUFFICIENT HORIZONTAL AND VERTICAL CLEARANCE, BRING ANY DISCREPANCIES TO THE ATTENTION OF THE CIVIL ENGINEER PRIOR TO INSTALLATION.
- 11. 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.

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. WHERE WATER LINES HAVE TO CROSS SANITARY SEWER LINES, DO SO AT A 90° ANGLE AND WATER LINES SHALL BE A MINIMUM OF 12" ABOVE TOP OF SANITARY SEWER

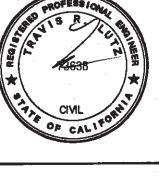
A MINIMUM HORIZONTAL SEPARATION BETWEEN NEW PIPELINES AND JOINT TRENCH SHALL BE 5 FEET.

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 OWNER PRIOR TO FINAL ACCEPTANCE.

SITE MAINTENANCE

1. UPON PROJECT COMPLETION THE OWNER SHALL BE SOLELY RESPONSIBLE TO ROUTINELY INSPECT AND MAINTAIN ALL ON-SITE STORM DRAIN FACILITIES. STORM DRAIN FACILITIES INCLUDE: ROOF GUTTERS AND DOWNSPOUTS. SURFACE DRAINS AND DISCHARGE POINTS (BUBBLE UP BOX). STORM DRAIN SYSTEM SHALL BE CLEANED AND/OR FLUSHED ON A BIANNUAL BASIS OR AS FOUND NECESSARY.



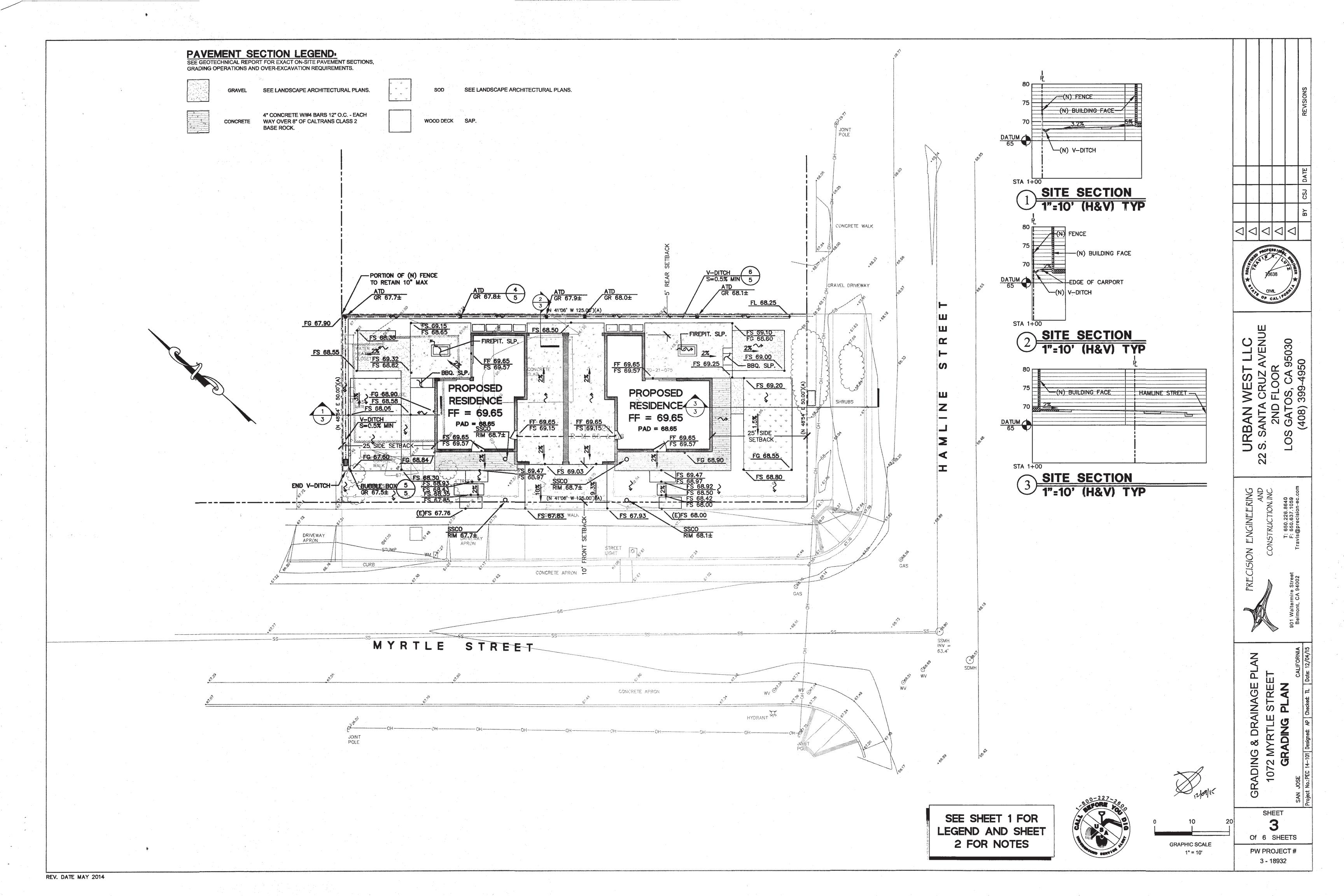
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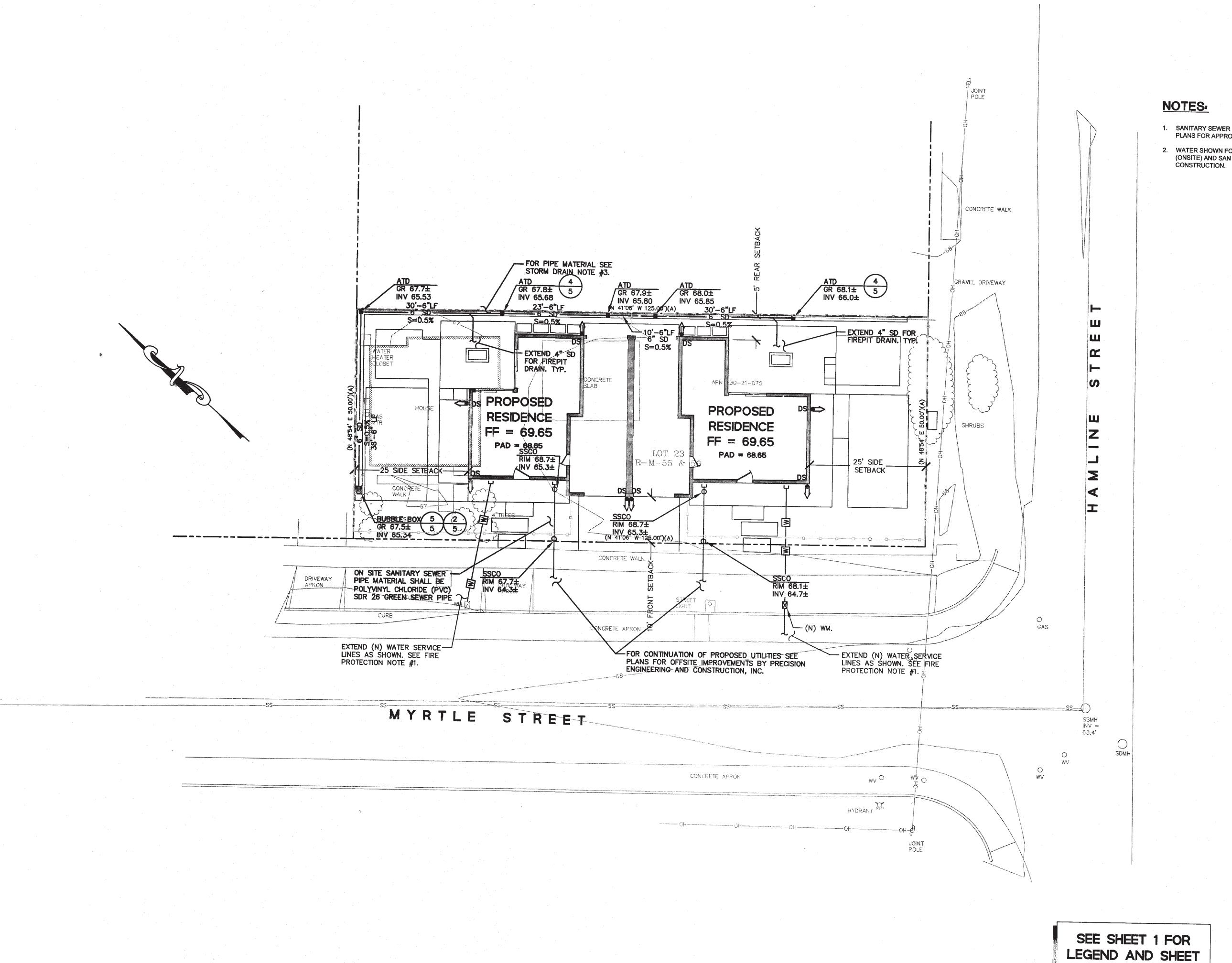


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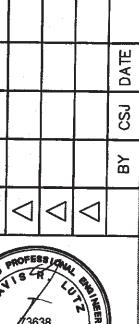
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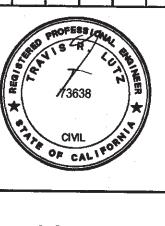
PW PROJECT # 3 - 18932





- SANITARY SEWER SHOWN FOR INFORMATION ONLY. SEE BUILDING PLUMBING PLANS FOR APPROVED DESIGN FOR CONSTRUCTION.
- WATER SHOWN FOR INFORMATION ONLY. SEE BUILDING PLUMBING PLANS (ONSITE) AND SAN JOSE WATER PLANS (OFFSITE FOR WATER DESIGN & CONSTRUCTION.





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GRADING & DRAINAGE PLAN 1072 MYRTLE STREET UTILITY PLAN

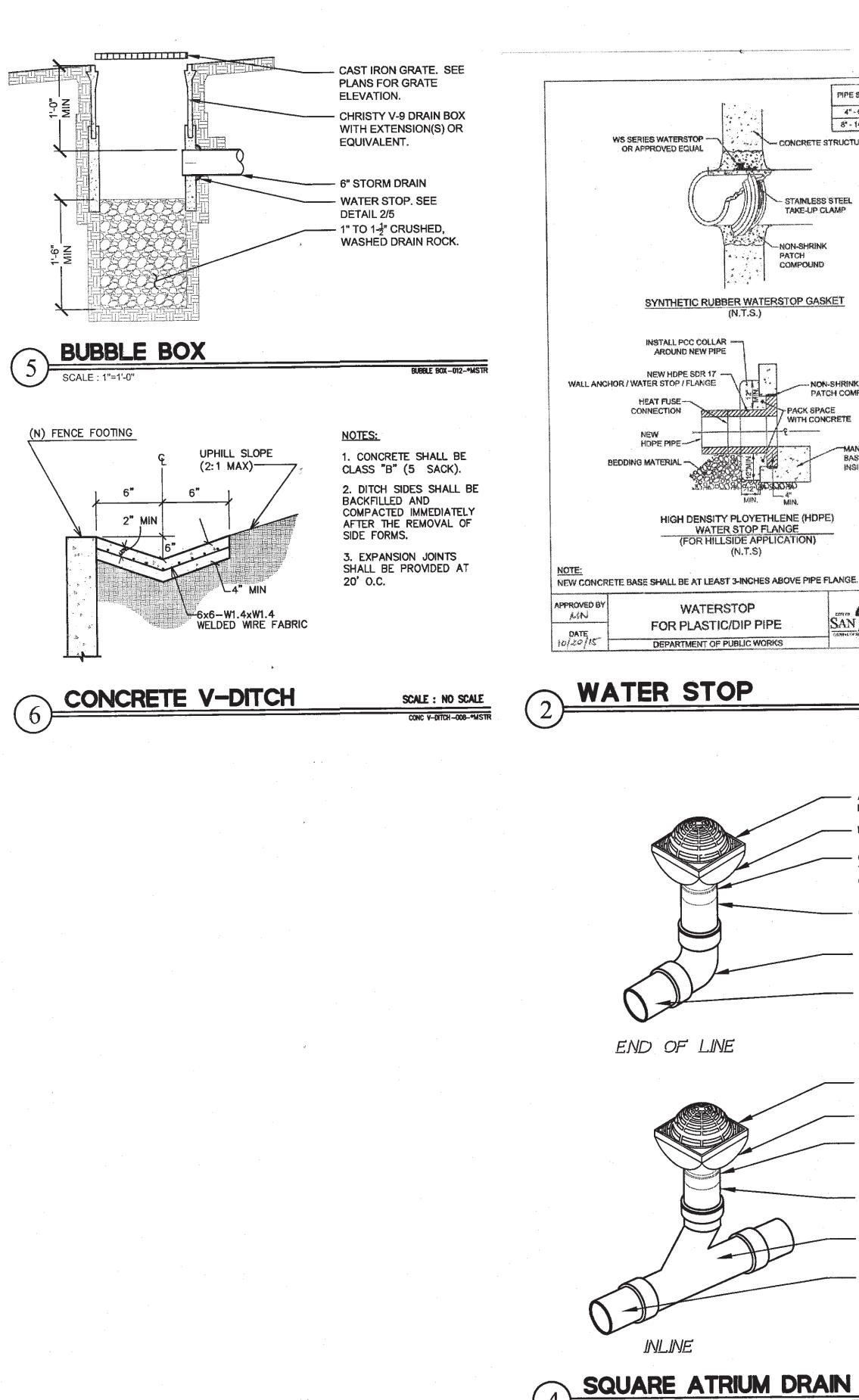
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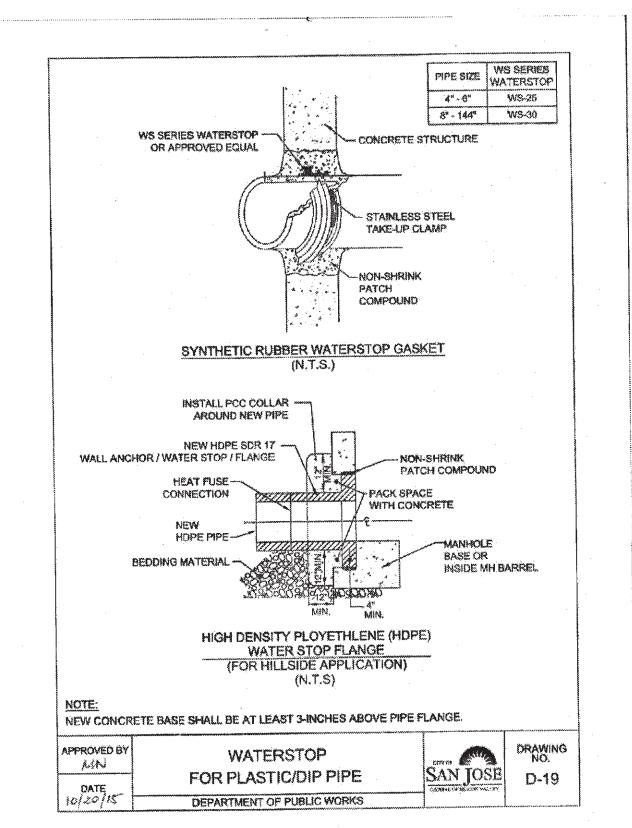
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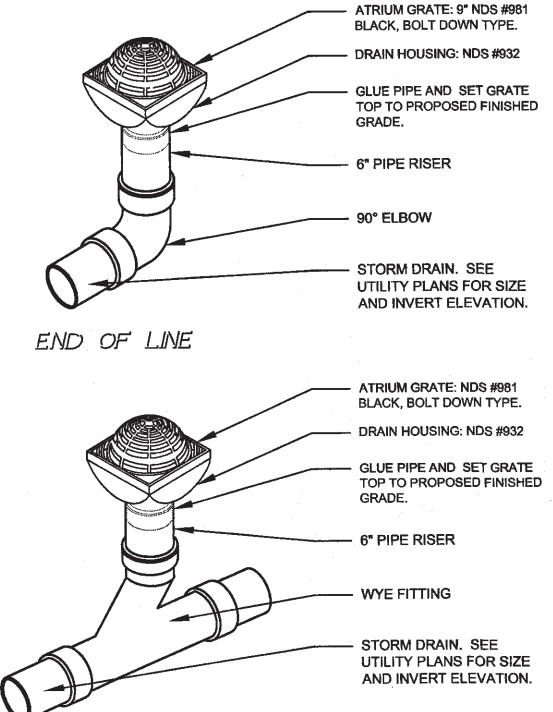
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GRAPHIC SCALE 1" = 10'

2 FOR NOTES







SCALE : 1"=1'-0"



SQUARE ATRIUM DRAIN-012-4MSTR

URBAN S. SANTA

ENGINEERING AND ONSTRUCTION, INC.

GRADING & DRAINAGE PLAN 1072 MYRTLE STREET

SHEET Of 6 SHEETS

PW PROJECT# 3 - 18932



CLEAN BAY BLUEPRINT Stormwater Pollution Prevention

Stormwater pollution is a major source of water pollution in California, It can cause declines in fisheries, disrupt habitats, and limit water recreation activities. Even more importantly, stormwater pollution poses a serious threat to the overall health of the ecosystem.

Common sources of pollutants from construction sites include: sediments from soil erosion; construction materials, stockpiles and waste (e.g., paint, solvents, concrete, drywall); and spilled oil, fuel, and other fluids from construction vehicles and heavy equipment.

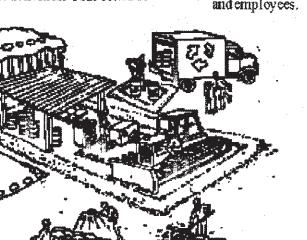
In San Jose, the storm drain system consists of gutters, storm drains, underground pipes, open channels, culverts and creeks. Storm drain systems are designed to drain directly to the Bay with no treatment.

San Jose and the other municipalities in the Bay Area are required by the Federal Clean Water Act to develop stormwater management programs that include requirements for construction activities. Your construc-

tion project will need to comply with local municipal requirements. If your construction activity will disturb one acre or more, you must also obtain insurance coverage under the General Construction Activity Permit issued by the State Water Resources Control Board.

This Clean Bay Blueprint is an introductory guide to stormwater quality control on construction sites. It contains several principles and techniques that you can use to help prevent stormwater pollution. The Bay Area Stormwater Management Agencies Association (BASMAA) and the City of San Jose have developed these guidelines as a resource for all general contractors, home builders, and subcontractors working on construction sites.

Employees should be trained and subcontractors informed about the stormwater requirements and their own responsibilities. The property owner and the contractor are responsible for all activities at your site, including activities by your subcontractors and employees.



Useful Phone Numbers Spill Response Agencies Dial 911 for Hazardous Materials Spills Santa Clara Valley Water District (408) 265-2600 Environmental Compliance Division Department of Fish & Wildlife (800) 852-7550 Office of Spill Prevention and Response (24 hours) City of San José Environmental Services Department (408) 945-3000 Environmental Enforcement Division Local Recyclers and Disposal Services Santa Clara Countywide Recycling Hotline 1(800) 533-8414 Integrated Waste Management Division Local Pollution Control Agencies Santa Clara County Department of Environmental Health (408) 918-3400 Sant Horard out Materials Compliance Division (408) 265-2600 San José/Santa Clara Regional Wastewater Facility (408) 945-5300 City of San José Departments of Public Works and Planning, Building and Code Enforcement (408) 535-3555 Grading Permits and Inspections http://www.sanjoseca.gov

For more information on stormwater requirements, call the State Water Resources

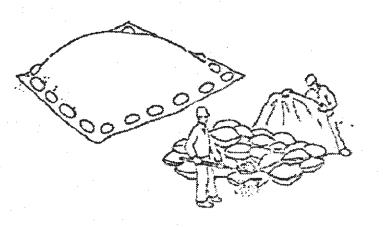
Control Board's Stormwater Information Line at (916) 341-5537, or San José's

Environmental Services Watershed Protection Division at (408) 945-3000.

Material Storage and Spill Clean Up

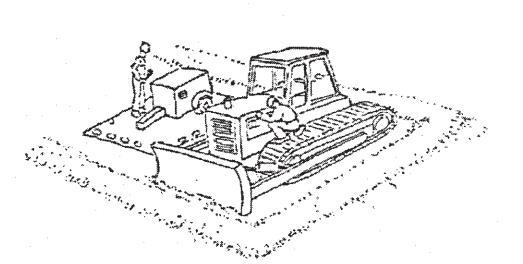
- Cover exposed piles of soil, construction materials and wastes with plastic sheeting or temporary roofs. Before it rains, sweep and remove materials from surfaces that drain to storm drains. creeks, or channels.
- ✔ Build berms around storage areas to prevent contact with runoff.
- ✓ Store containers of paints, chemicals, solvents, and other hazardous materials in accordance with secondary containment regulations and under cover during rainy periods.
- Cover open dumpsters with plastic sheeting or a tarp during rainy weather. Secure the sheeting or tarp around the outside of the dumpster. If your dumpster has a cover, close it.
- ✓ If a dumpster is leaking, contain and collect leaking material. Return the dump ster to the leasing company for repair or exchange.
- Sweep up spilled dry materials (for example cement, mortar, or fertilizer) immediately. Never attempt to "wash them away" with water, or bury them. Use only minimal water for dust con-
- Clean up liquid spills on paved or impermeable surfaces using "dry" cleanup methods (for example absorbent materials like cat litter, sand or rags). Have spill cleanup kits available.
- Clean up spills on dirt areas by digging up and properly disposing of the contaminated soil.

Report significant spills to the appropriate spill response agencies immediately.



Vehicle and Equipment Maintenance

- Maintain all vehicles and heavy equipment. Inspect frequently and repair
- Use drip pans or drop cloths to catch drips and spills if you must drain and replace motor oil, radiator coolant, or other fluids on-site. Collect all spent fluids, store in labeled separate containers, and recycle whenever possible. Keep all fuels, oils and lubricants within secondary containment.
- Designate specific areas of the construction site, well away from creeks or storm drain inlets, for auto and equipment parking and routine vehicle and equipment maintenance.
- Perform major maintenance, repair jobs and vehicle and equipment washing off-site when feasible, or in designated and controlled areas on-site.
- ✓ Wash vehicles at an appropriate offsite facility. If equipment must be washed on-site, just use water and prevent water from entering the storm drain. Do not use soaps, solvents, degreasers, or steam cleaning equipment. Direct wash water to an area that will not flow to any storm drain inlets. The waste wash water can evaporate and/or infiltrate within this designated area.
- ✓ Refuel vehicles and heavy equipment in one designated location on the site and clean up spills immediately.
- Oil, antifreeze, batteries, and tires should also be recycled. Please contact the County Household Hazardous Waste Program at (408) 299-7300 for assistance on how you may dispose of your hazardous wastes.



Earth-Moving Activities and Erosion Control

- ✓ Avoid contaminating clean runoff from areas adjacent to your site by using berms and/or temporary or permanent drainage ditches to divert water flow around the site. Reduce stormwater runoff velocities by constructing temporary check dams and/or berms, where
- Construct diversion dikes and drainage swales to channel runoff around the
- ✓ Use berms and drainage ditches to divertrunoff around exposed areas. Place diversion ditches across the top of cut
- Plant vegetation on exposed slopes. Where replanting is not feasible, cover with erosion control blankets (for example mulch netting or matting of jute, straw, glass fiber or excelsior).
- ✓ Cover stockpiled soil and landscaping materials with secured plastic sheeting and divert runoff around them. Keep exposed stockpiles off of paved roadways, sidewalks and driveways.
- ✔ Protect drainage courses, creeks, or catch basins with backup measures such as silt fences and/or temporary drainage swales.

Paints, Solvents and Adhesives

✓ Sweep up or collect non-hazardous

hazardous waste.

the trash.

paint chips and dust from dry strip-

ping and sandblasting in plastic drop

cloths and dispose of as trash. Dispose

of chemical paint stripping residue and

paints containing lead or tributyl tin as

chips and dust from marine paints or

✓ Never clean brushes or rinse paint

containers into a street, gutter,

brushes to the maximum extent pos-

sible and rinse to a drain leading to the

sanitary sewer (i.e., indoor plumbing).

Dried latex paint may be disposed of in

Avoid mixing excess amounts of fresh

concrete or cement mortar on-site.

✓ Wash out concrete transit mixers only.

in designated wash-out areas where the

water will flow into settling ponds or onto dirt or stockpiles of aggregate base

or sand. Whenever possible, recycle

for rouse. Never dispose of washout

Whenever possible, return contents of

dikhes, or creeks.

washout by pumping back into mixers

into the street, storm drains, drainage

storm drain, or creek.

For water-based paints, paint out

- Conduct routine inspections of all erosion and sediment control measures and repair when necessary. This is particularly critical before, during and immediately after rainstorms.
- ✔ Protect storm drain inlets from sediment-laden runoff. Storm drain inlet protection devices include barriers of burlap bags filled with drain rock, filter fabric fences, block and gravel filters, and excavated drop inlet sediment
- Limit on-site construction routes and stabilize construction entrances. Prevent construction vehicles from tracking soil onto adjacent streets.
- ✔ Dry-sweep, where possible, to clean sediments from streets, driveways and paved areas on construction sites. If water must be used to flush pavement, collect runoff to settle out sediments and protect storm drain inlets.
- ✔ Prevent all debris, construction materials, soil, rock, etc. from being introduced into any storm drain or sanitary sewer structures.

For oil-based paints, paint out brushes

due as hazardous waste.

of as hazardous waste.

Concrete, Cement and Mortars

to the maximum extent possible, and

filter and reuse thinners and solvents.

Dispose of unusable thinners and resi-

thinners, and sludges must be disposed

✓ Unwanted paint (that is not recycled),

Have spill cleanup kits available.

mixer barrel to the yard for recycling.

Dispose of small amounts of excess

concrete, grout, and mortar in the

Call Environmental

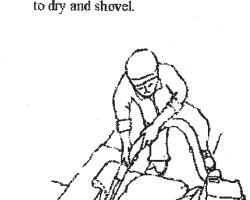
(408) 945-3000 before

into storm or sanitary

dewatering and/or pumping

Enforcement at

sewer systems.



Roadwork and Pavement Construction

- Apply concrete, asphalt, and seal coat during dry weather to prevent unset paving material from washing away with stormwater runoff.
- Cover storm drain inlets and manholes when paving or applying seal coat, slurry seal, fog seal, etc. Always park paving machines over drip
- pans or absorbent materials, since they tend to drip continuously. Do not spray diesel fuel to prevent asphalt build up on equipment. Use alternatives, such as citrus-based products.
- Use as little water as possible when making saw-cuts in pavement. Contain the slurry by placing rock bags, or temporary berms as close to the saw-cuts as possible. Vacuum "wet", or allow slurry to dry and shovel.



Wash down exposed aggregate concrete only when the wash water can:

(1) Flow onto a dirt area;

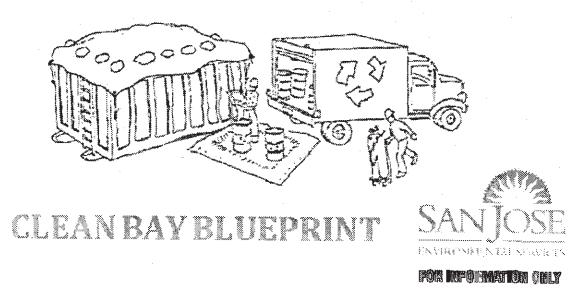
- (2) Drain onto a bermed surface from which it can be pumped and disposed of properly; or
- (3) Be vacuumed from a catchment created by blocking a storm drain inlet. If necessary, divert runoff with temporary berms. Make sure runoff does not reach gutters or storm drains.
- ✓ Never wash sweepings from exposed aggregate concrete into a street or storm drain. Collect and return to aggregate base stockpile, or dispose with

Update pollution prevention measures as construction phases change or are completed.

Waste Disposal

- Keep pollutants off exposed surfaces. Place trash cans around the site to reduce litter. Dispose of non-hazardous construction wastes in covered dumpsters or recycling receptacles.
- ✔ Recycle leftover materials whenever possible. Materials such as concrete, asphalt, scrap metal, solvents, degreasers, cleared vegetation, paper, rock, and vehicle maintenance materials such as used oil, antifreeze, batteries, and tires are recyclable.
- Recycle leftover construction and demolition materials whenever possible. Materials such as concrete, rock, asphalt, cleared vegetation, scrap metal, wood, carpet, drywall can be recycled. For a list of facilities that will accept these materials: http://www.sirecycles. org/BusinessDirectoryILaspx?IngBusi nessCategoryID=39
- Dispose of all wastes properly. Materials that cannot be reused or recycled must be taken to an appropriate landfill or disposed of as hazardous waste.

- Never throw or dispose of debris into channels, creeks or into wetland areas. Never store or leave debris in the street or near a creek where it may contact runoff.
- Illegal dumping is a violation subject to a fine and/or time in jail. Be sure that trailers carrying your materials are covered during transit. If not, the hauler may be cited and fined. Do not dispose of plant material in a
- creek or drainage facility or leave it in a roadway where it can clog storm drain inlets.
- Avoid disposal of plant material in trash dumpsters or mixing it with other wastes. Compost plant material or take it to a landfill or other facility that composts yard waste.
- Check with the Fire Department with questions on proper storage of hazardous materials.
- Protect all wastes from rainwater and runoff.



10/14/JH

GRADING 07 SHEET

DRAINAGE PLAN

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REV. DATE MAY 2014

URB, S. SA

CISION

ENGINEERING AND ANSTRUCTION, INC.

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