GEOTECHNICAL:

. PLUMBING:

WELL:

GENERAL NOTES

OR DISTURBANCE.

BE APPLICABLE TO THIS PLAN SET.

RIPON UNIFIED SCHOOL DISTRICT 304 N ACACIA AVENUE RIPON, CA 95366 T: (209) 599-2131 CONTACT: DR. ZIGGY ROBESON

PROJECT LOCATION:

COLONY OAK ELEMENTARY SCHOOL
22241 MURPHY ROAD
RIPON, CA 95366

NORTHSTAR ENGINEERING GROUP, INC. 620 12TH STREET MODESTO, CA. 95354
T: (209) 524–3525
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ARCHITECT: WLC ARCHITECTS, INC.
1110 IRON POINT ROAD, SUITE 200
FOLSOM, CA 95630
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CONTRACTOR SHALL BE AWARE THAT THE FOLLOWING NOTES LISTED BELOW ARE

ALL IMPROVEMENTS SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH THE

SHALL BE SUBJECT TO THE INSPECTION OF SAN JOAQUIN COUNTY.

FORTY-EIGHT (48) HOURS IN ADVANCE OF SAID MEETING.

WORKMANSHIP OF THE FIRST QUALITY ARE TO BE USED.

FOLLOWING: SAN JOAQUIN COUNTY ("COUNTY") STANDARD SPECIFICATIONS AND THE

LATEST EDITION OF THE CALIFORNIA BUILDING CODE. WHERE THERE IS A CONFLICT

PRIOR TO ANY WORK BEING PERFORMED, THE CONTRACTOR SHALL CONTACT THE

CONTRACTOR SHALL ALSO NOTIFY THE PROJECT CONTACTS LISTED ON THIS SHEET

IT IS INTENDED THAT THESE PLANS AND SPECIFICATIONS REQUIRE ALL LABOR AND

CONTRACTOR SHALL NOTIFY NORTHSTAR ENGINEERING GROUP, INC. ("ENGINEER")

MATERIALS NECESSARY AND PROPER FOR THE WORK CONTEMPLATED AND THAT THE

WORK BE COMPLETED IN ACCORDANCE WITH THEIR TRUE INTENT AND PURPOSE. THE

IMMEDIATELY REGARDING ANY DISCREPANCIES AND AMBIGUITIES WHICH MAY EXIST IN THE

PLANS AND SPECIFICATIONS. IF THE PLANS OR SPECIFICATIONS DESCRIBE PORTIONS OF

ONLY THE BEST GENERAL PRACTICE IS TO PREVAIL AND THAT ONLY MATERIALS AND

CONSTRUCTION STAKING FOR GRADING, CURB, GUTTER, SIDEWALK. SANITARY SEWER.

STORM DRAIN, AND WATER SHALL BE DONE UNDER THE DIRECTION OF THE ENGINEER.

OF THIS NEED FOR STAKING. ANY STAKING REQUESTED BY THE CONTRACTOR OR HIS

OUTLINED IN THE CONTRACT, WILL BE SUBJECT TO AN EXTRA BACK CHARGE TO THE

THE CONTRACTOR SHALL EXERCISE DUE CAUTION AND SHALL CAREFULLY PRESERVE

BENCH MARKS, REFERENCE POINTS AND ALL SURVEY STAKES, AND SHALL BEAR ALL

EXPENSE FOR REPLACEMENT AND/OR ERRORS CAUSED BY THEIR UNNECESSARY LOSS

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

COUNTY HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION

THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE

FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

WITHOUT WRITTEN AUTHORIZATION FROM THE COUNTY ENGINEER.

BUSINESS AND TRANSPORTATION AGENCY.

CONSTRUCTION AND COMPLETION OF THE PROJECT.

ALL EXISTING UTILITIES WITH RESPECTIVE UTILITY COMPANIES.

TO THE APPROVAL OF THE COUNTY ENGINEER.

THE PAVEMENT CUT IS MADE.

HOURS IN ADVANCE OF ANY WORK.

THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER, ENGINEER AND TH

WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING

THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN, OR OTHER

DEVICES NECESSARY FOR PUBLIC SAFETY IN ACCORDANCE WITH THE CURRENT ISSUE OF

"MANUAL OF TRAFFIC CONTROLS, WARNING SIGNS, LIGHTS, AND DEVICES FOR USE IN

THE OFFICE OF SAN JOAQUIN COUNTY PUBLIC WORKS SHALL BE NOTIFIED AT LEAST 48

COMPLETED PRIOR TO CONSTRUCTION OF THE CURB, GUTTER, SIDEWALK AND PAVING.

COUNTY, DEPARTMENT OF PUBLIC WORKS OR ANY OTHER APPLICABLE AGENCY PRIOR TO

COMMENCEMENT OF WORK WITHIN EXISTING COUNTY RIGHT-OF-WAY. THE CONTRACTOR

3. STREET SIGNS, TRAFFIC CONTROL SIGNS, AND PAVEMENT MARKINGS SHALL BE PROVIDED

AND INSTALLED BY THE CONTRACTOR AT LOCATIONS ESTABLISHED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING IMPROVEMENTS

INCLUDED IN THE UNIT PRICE BID FOR ITEMS REQUIRING REMOVAL AND REPLACEMENT.

CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF THE REMOVAL OR RELOCATION OF

WHENEVER PAVEMENT IS BROKEN OR CUT IN THE INSTALLATION OF THE WORK COVERED

MATERIALS USED IN THE ORIGINAL PAVING. THE FINISHED PAVEMENT SHALL BE SUBJECT

COVERED WITH A STEEL PLATE OF APPROPRIATE SIZE AND STRENGTH, THE SAME DAY

REPLACEMENT OF PAVEMENT WHICH IS BROKEN OR CUT DURING THE INSTALLATION OF

THE WORK COVERED BY THESE SPECIFICATIONS AND PLANS, AND WHICH LIES OUTSIDE OF SAID AREAS, SHALL BE INDICATED IN THE CONTRACTOR'S UNIT PRICE FOR PAVEMENT,

BY THESE SPECIFICATIONS AND PLANS, THE PAVEMENT SHALL BE REPLACED, AFTER

PROPER BACK FILLING, WITH PAVEMENT MATERIALS EQUAL TO OR BETTER THAN THE

ALL TRENCHES IN PAVED AREAS SHALL BE PAVED WITH TEMPORARY PAVING, OR

PAYMENT FOR PAVEMENT WILL BE MADE ONLY FOR AREAS SHOWN ON THE PLANS.

AND NO ADDITIONAL PAYMENT SHALL BE MADE FOR SUCH WORK.

FROM DAMAGE. COST OF REPLACING DAMAGED EXISTING IMPROVEMENTS SHALL BE

CABLE TV, ELECTRICAL, GAS, AND TELEPHONE UNDERGROUND WORK SHALL BE

THE CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FROM SAN JOAQUIN

SHALL BE RESPONSIBLE FOR ALL PERMITS AND LICENSES REQUIRED FOR THE

PERFORMANCE OF WORK UPON HIGHWAY" PUBLISHED BY THE STATE OF CALIFORNIA

SUBCONTRACTORS THAT IS ABOVE AND BEYOND NORMAL STANDARD STAKING NEEDS AS

THE CONTRACTOR SHALL NOTIFY THE ENGINEER SEVENTY-TWO (72) HOURS IN ADVANCE

THE WORK IN GENERAL TERMS BUT NOT IN COMPLETE DETAIL, IT IS UNDERSTOOD THAT

APPROPRIATE REGULATORY AGENCIES FOR A PRE-CONSTRUCTION CONFERENCE.

BETWEEN THE PLANS AND THE COUNTY AND/OR CALIFORNIA BUILDING CODE STANDARDS,

THE COUNTY AND/OR CALIFORNIA BUILDING CODE STANDARDS SHALL PREVAIL. ALL WORK

NORTHSTAR ENGINEERING GROUP'S TYPICAL GENERAL NOTES AND SOME NOTES MAY NOT

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EXCAVATION EFFORT SHALL BE MADE TO DETERMINE WHETHER UNDERGROUND
INSTALLATIONS; I.E. SEWER, WATER, FUEL, ELECTRICAL LINES, ETC., WILL BE
ENCOUNTERED AND IF SO, WHERE SUCH UNDERGROUND INSTALLATIONS ARE LOCATED.
WHEN THE EXCAVATION APPROACHES THE APPROXIMATE LOCATION OF SUCH
INSTALLATION, THE EXACT LOCATION SHALL BE DETERMINED BY CAREFUL PROBING OR
HAND DIGGING; AND, WHEN IT IS UNCOVERED, ADEQUATE PROTECTION SHALL BE
PROVIDED FOR THE EXISTING INSTALLATION. ALL KNOWN OWNERS OF UNDERGROUND
FACILITIES IN THE AREA CONCERNED SHALL BE ADVISED OF PROPOSED WORK AT LEAST
FORTY-EIGHT (48) HOURS PRIOR TO THE START OF ACTUAL EXCAVATION.

GENERAL NOTES (CONT)

ANY LOCAL CODES OR ORDINANCES.

. DRAWING NUMBERS SHOWN ON THE PLANS REFER TO DRAWINGS CONTAINED IN SAN

PRIOR TO COMMENCING ANY WORK, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY 1

THE CONTRACTOR SHALL NOTIFY MEMBERS OF THE UNDERGROUND SERVICE ALERT

BY CALLING THE TOLL-FREE NUMBER (800) 227-2600. THE CONTRACTOR SHALL

RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES SO THAT NO DAMAGE RESULTS TO

DAMAGED UTILITIES SHALL BE PAID FOR BY THE CONTRACTOR. THE CONTRACTOR SHALL

THEM DURING THE PERFORMANCE OF THIS CONTRACT. ANY REPAIRS NECESSARY TO

BE REQUIRED TO COOPERATE WITH OTHER CONTRACTORS AND UTILITY COMPANIES

EXCAVATIONS OF 5 FEET OR MORE IN DEPTH WILL REQUIRE AN EXCAVATION PERMIT

FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY. FOR TRENCHES 5

FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL COMPLY WITH SECTION 5-1.02A OF

WE CALL YOUR ATTENTION TO TITLE 8 CALIFORNIA ADMINISTRATION CODE SECTION 1540

(A) (1) OF THE CONSTRUCTION SAFETY ORDERS ISSUED BY THE OCCUPATIONAL SAFETY

AND HEALTH STANDARDS BOARD PURSUANT TO THE CALIFORNIA OCCUPATIONS SAFETY

AND HEALTH ACT OF 1973 AS AMENDED WHICH STATES: (1) PRIOR TO OPENING AN

THE CALTRANS STANDARDS, CHAPTER 9 OF THE STATE OF CALIFORNIA LABOR CODE, AND

RECORD THE U.S.A. ORDER NUMBER. IT SHALL BE THE CONTRACTOR'S SOLE

INSTALLING NEW STRUCTURES, UTILITIES AND SERVICE TO THE DEVELOPMENT.

HAVE EACH UTILITY COMPANY LOCATED, IN THE FIELD, THEIR MAIN AND SERVICE LINES.

(U.S.A.) FORTY-EIGHT (48) HOURS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK

JOAQUIN COUNTY STANDARD SPECIFICATIONS (I.E. DWG. 30).

23. PRIOR TO ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL DELIVER TO THE ENGINEER, ONE SET OF NEATLY MARKED AS—BUILT RECORD DRAWINGS SHOWING THE INFORMATION REQUIRED ABOVE. AS—BUILT RECORD DRAWINGS SHALL BE REVIEWED AND THE COMPLETE AS—BUILT RECORD DRAWING SET SHALL BE CURRENT WITH ALL CHANGES AND DEVIATIONS REDLINED AS A PRECONDITION TO THE FINAL PROGRESS PAYMENT APPROVAL AND/OR FINAL ACCEPTANCE.

24. SAN JOAQUIN COUNTY OR ASSOCIATED UTILITY COMPANY AND RESIDENCES TO BE AFFECTED SHALL BE NOTIFIED IMMEDIATELY UPON ANY UTILITY SERVICE DISRUPTION OTHER THAN SPECIFIED ON THESE IMPROVEMENT PLANS AND A TWENTY—FOUR (24) HOUR NOTICE SHALL BE GIVEN FOR ANY PLANNED DISRUPTION.

25. ASPHALT CONCRETE SHALL BE PLACED ONLY WHEN THE ATMOSPHERIC TEMPERATURE IS ABOVE 50'F AND RISING.

26. THE CONTRACTOR SHALL MAINTAIN A NEATLY MARKED SET OF FULL—SIZE AS—BUILT RECORD DRAWINGS SHOWING THE FINAL LOCATION AND LAYOUT OF ALL MECHANICAL, ELECTRICAL AND INSTRUMENTATION EQUIPMENT, PIPING AND CONDUITS, STRUCTURES AND OTHER FACILITIES. AS—BUILT RECORD DRAWINGS SHALL REFLECT CHANGE ORDERS, ACCOMMODATIONS, AND ADJUSTMENTS TO ALL IMPROVEMENTS CONSTRUCTED. WHERE NECESSARY, SUPPLEMENTAL DRAWINGS SHALL BE PREPARED AND SUBMITTED BY THE CONTRACTOR TO THE DEVELOPER AND APPROVAL AGENCY.

27. AFTER CONSTRUCTION OF ALL IMPROVEMENTS, THE CONTRACTOR SHALL SUBMIT ONE SET OF REPRODUCIBLE PLANS. FINAL INVERT ELEVATIONS FOR SEWER AND STORM DRAIN LINES THAT ARE TO BE EXTENDED FOR FUTURE CONSTRUCTION SHALL ALSO BE SHOWN ON THE "AS-BUILT" PLANS ALL AS PROVIDED BY THE CONTRACTOR.

28. THE CONTRACTOR SHALL NOTIFY NORTHSTAR ENGINEERING AT LEAST 48 HOURS PRIOR TO BACK FILLING OF ANY PIPE WHICH STUBS TO A FUTURE PHASE OF CONSTRUCTION FOR INVERT VERIFICATION. TOLERANCE SHALL BE IN ACCORDANCE WITH SAN JOAQUIN COUNTY STANDARD SPECIFICATIONS.

29. WHENEVER EXISTING FACILITIES ARE REMOVED, DAMAGED, BROKEN, OR CUT IN THE INSTALLATION OF THE WORK COVERED BY THESE PLANS OR SPECIFICATIONS, SAID FACILITIES SHALL BE REPLACED AT THE CONTRACTORS EXPENSE, AFTER PROPER BACKFILLING AND/OR CONSTRUCTION, WITH MATERIALS EQUAL TO OR BETTER THAN THE MATERIALS USED IN THE ORIGINAL EXISTING FACILITIES. THE FINISHED PRODUCT SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER, THE ENGINEER, AND THE RESPECTIVE REGULATORY AGENCY.

30. DUST CONTROL SHALL BE PROVIDED AT ALL TIMES, AT THE CONTRACTOR'S EXPENSE TO MINIMIZE ANY DUST NUISANCE AND SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SAN JOAQUIN COUNTY. CONTRACTOR SHALL OBTAIN A PERMIT FROM CAL WATER FOR USE OF WATER FROM FIRE HYDRANTS FOR CONSTRUCTION PURPOSES. THE PERMIT SHALL BE APPROVED BY SAN JOAQUIN COUNTY FIRE DEPARTMENT.

31. SIGNING, STRIPING AND PAVEMENT MARKINGS SHALL BE IN STRICT CONFORMANCE WITH SAN JOAQUIN COUNTY STANDARDS AND SPECIFICATIONS.

32. CONTRACTOR SHALL PROVIDE COUNTY WITH A CERTIFICATE SIGNED BY A REGISTERED CIVIL ENGINEER OR LAND SURVEYOR STATING THAT ALL BUILDING PAD ELEVATIONS ARE IN ACCORDANCE WITH THE APPROVED GRADING PLAN.

33. UNLESS OTHERWISE STATED, ALL STATIONS INDICATED ON THE IMPROVEMENT PLANS ARE REFERENCED TO THE CENTERLINE OF THE STREET. ALL STATIONS OFF CENTER ARE PERPENDICULAR TO OR RADIALLY OPPOSITE CENTERLINE STATIONS, UNLESS OTHERWISE

34. DRIVEWAYS ON STREETS TO BE LOCATED IN THE FIELD BY THE ENGINEER AT THE TIME OF CONSTRUCTION. DRIVEWAYS SHALL NOT COINCIDE WITH WHEELCHAIR RAMPS.

5. IF THE PROJECT IS SUBJECT TO THE INDIRECT SOURCE REVIEW (ISR) REQUIREMENT, THE CONTRACTOR IS REQUIRED TO KEEP DAILY RECORDS OF THE TOTAL HOURS OF OPERATION FOR EACH PIECE OF EQUIPMENT GREATER THAN 50—HORSEPOWER BEING USED ON THE PROJECT SITE DURING CONSTRUCTION. WITHIN 30 DAYS OF COMPLETING CONSTRUCTION OF EACH PROJECT PHASE, A REPORT SUMMARIZING TOTAL HOURS OF OPERATION BY EQUIPMENT TYPE, MODEL, YEAR, AND HORSEPOWER FOR EACH PIECE OF CONSTRUCTION EQUIPMENT GREATER THAN 50—HORSEPOWER MUST BE SUBMITTED TO THE AIR DISTRICT. TO ASSIST IN THIS RECORDKEEPING, THE "DETAILED FLEET TEMPLATE" IS AVAILABLE ON THE DISTRICT'S WEBSITE AT HTTP://WWW.VALLEYAIR.ORG/ISR/ISRFORMSANDAPPLICATIONS.HTM. FOR EACH PROJECT PHASE, THE DISTRICT WILL VERIFY THAT THE FLEET DETAILS ACHIEVED THE REQUIRED

PHASE, THE DISTRICT WILL VERIFY THAT THE FLEET DETAILS ACHIEVED THE REQUIRED EMISSION REDUCTIONS. IF THE CONTRACTOR IS NOT GOING TO MEET THE STANDARDS AND/OR RECORD KEEPING REQUIRED BY THE AIR DISTRICT, THE CONTRACTOR SHALL NOTIFY THE AIR BOARD PRIOR TO CONSTRUCTION SO THE NECESSARY MITIGATION FEE SHALL BE PAID. IF THE AIR BOARD IS NOT NOTIFIED PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO PAY THE PENALTY TO THE AIR BOARD.

GRADING NOTES

1. EARTHWORK SHALL BE PERFORMED IN ACCORDANCE WITH SAN JOAQUIN COUNTY STANDARDS AND THE PROJECT SOILS REPORT. ALL FILL AREAS SHALL BE TESTED AS REQUIRED BY SAN JOAQUIN COUNTY AND SHALL BE PAID FOR BY THE CONTRACTOR.

2. THE DEVELOPER SHALL BE RESPONSIBLE FOR COST OF INITIAL TEST FOR MOISTURE DENSITY CURVE. IF THE FIRST TEST FAILS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COST OF ALL SUBSEQUENT CURVES AND TESTS.

3. THE CONTRACTOR SHALL REVIEW SITE PRIOR TO BIDDING. ALL VEGETATION AND DELETERIOUS MATERIALS SHALL BE REMOVED FROM THE SITE AT THE EXPENSE OF THE CONTRACTOR AND SHALL BE INCLUDED IN THE LUMP SUM CLEARING COST.

4. THE CONTRACTOR SHALL PRESERVE ALL STAKES AND POINTS SET FOR LINES, GRADES OR MEASUREMENT OF THE WORK IN THEIR PROPER PLACES UNTIL AUTHORIZED TO REMOVE THEM BY THE ENGINEER. ALL EXPENSES INCURRED IN REPLACING STAKES THAT HAVE BEEN REMOVED WITHOUT PROPER AUTHORITY SHALL BE PAID FOR BY THE CONTRACTOR.

5. CONTRACTOR'S PRICE SHALL INCLUDE COST TO ACHIEVE A BALANCED SITE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IMPORT AND EXPORT MATERIAL AS REQUIRED TO BALANCE SITE.

6. CONTRACTOR SHALL GRADE ALL LANDSCAPE AREAS TO WITHIN 0.10 FEET OF FINAL GRADE ELEVATIONS WITH APPROPRIATE LANDSCAPE SECTIONS INCLUDED.

7. ALL LANDSCAPE AREAS THAT ABUT ANY PORTION OF THE BUILDING SHALL BE GRADED SUCH THAT THE FINISHED GRADE IN LANDSCAPE AREAS SHALL BE A MINIMUM OF EIGHT INCHES (8") BELOW FINISHED FLOOR OF THE ABUTTING BUILDING AND IN NO CASE SHALL THE LANDSCAPE AREA BE GRADED OR LANDSCAPED SUCH THAT WATER DRAINS TOWARD THE BUILDING.

GRADING NOTES (CONT)

8. ALL A.C. PAVING SHALL BE FOG SEALED PER SECTION 37 OF CALTRANS STANDARD SPECIFICATIONS, THE LATEST EDITION.

9. GRADE TAGS LOCATED ON CURBS REFERENCE TOP OF CURB ELEVATION UNLESS OTHERWISE NOTED. ADDITIONAL DESCRIPTIONS ARE PROVIDED TO DENOTE HORIZONTAL AND VERTICAL CHANGES IN ACCORDANCE WITH ABBREVIATIONS DEFINED ON COVER SHEFT.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING HIS OWN EARTHWORK QUANTITIES FOR BIDDING, CONTRACT AND CONSTRUCTION PURPOSE. IF IT APPEARS THERE WILL BE AN EXCESS OR SHORTAGE OF MATERIAL, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO DETERMINE IF POSSIBLE GRADE ADJUSTMENTS CAN BE MADE.

11. SITE CONTRACTOR SHALL COORDINATE WITH BUILDING CONTRACTOR TO ACCOMMODATE THE PROPER CLEARANCE BETWEEN THE BOTTOM OF THE STUCCO AND THE TOP OF THE GRADE TREATMENT ALONG THE BUILDING AS APPLICABLE, IN ACCORDANCE WITH SECTION 2512.1.2. OF THE MOST CURRENT CALIFORNIA BUILDING CODE, IF THE SUBJECT BUILDING SIDING TREATMENT IS STUCCO. CONTRACTOR SHALL NOTIFY ENGINEER IF ANY GRADES ARE ADJUSTED. CONTRACTOR SHALL ALSO APPLY FLASHING WHERE APPLICABLE WITHIN AREAS OF GRADE TRANSITION.

12. SINCE THE ENGINEER CANNOT CONTROL THE EXACT METHOD OR MEANS USED BY THE CONTRACTOR DURING GRADING OPERATIONS, NOR CAN THE ENGINEER GUARANTEE THE EXACT SOIL CONDITION OVER THE ENTIRE SITE, THE ENGINEER ASSUMES NO RESPONSIBILITY FOR FINAL EARTHWORK QUANTITIES.

3. CONTRACTOR IS RESPONSIBLE FOR THE OFF HAUL AND DISPOSAL OF ANY AND ALL EXCESS DIRT FROM CONSTRUCTION SITE.

4. CONTRACTOR SHALL COORDINATE WITH THE EXISTING ADJOINING PROPERTY OWNERS PRIOR TO ANY WORK BEING STARTED THAT MAY EFFECT THEIR PROPERTY.

15. CONTRACTOR SHALL PROVIDE A SMOOTH TRANSITION FROM THE PROPOSED GRADING TO THE EXISTING FLOWLINE, CURB, CONCRETE, AND OR PAVEMENT ELEVATIONS.

 ALL EXISTING WELLS AND SEPTIC TANKS SHALL BE REMOVED AND/OR ABANDONED PER THE REQUIREMENTS OF THE COUNTY HEALTH DEPARTMENT AND SAN JOAQUIN COUNTY. THIS WORK SHALL BE INCLUDED IN THE LUMP SUM CLEARING COST.

CONTRACTOR SHALL VERIFY BUILDING SUBGRADE SECTIONS WITH ARCHITECT PLANS BEFORE CONSTRUCTION. IF A DISCREPANCY EXISTS, CONTRACTOR TO NOTIFY THE ENGINEER IMMEDIATELY.

B. PRIOR TO CONSTRUCTING ANY FLATWORK THE CONTRACTOR SHALL VERIFY THE FINISH FLOOR ELEVATIONS AT ALL DOORS. NOTE THAT FINISH FLOOR ELEVATIONS MAY HAVE BEEN CHANGED DO TO FOUNDATION ADJUSTMENTS IN FIELD. CONTRACTOR SHALL HOLD ADJUSTED FINISH FLOOR GRADES, ACCOUNT FOR DOOR THRESHOLDS, AND ADJUST GRADES AS NECESSARY TO STAY IN COMPLIANCE WITH CURRENT ADA STANDARDS. CONTRACTOR SHALL NOTIFY NORTHSTAR ENGINEERING IMMEDIATELY IF ANY GRADE ADJUSTMENTS WILL CREATE ADA ACCESSIBILITY ISSUES.

19. THE VALUES SHOWN ON THE GRADING PLAN ARE FOR REFERENCE AND FEE PURPOSES ONLY. SINCE THE ENGINEER CANNOT CONTROL THE EXACT METHOD OR MEANS USED BY THE CONTRACTOR DURING GRADING OPERATIONS, NOR CAN THE ENGINEER GUARANTEE THE EXACT SOIL CONDITION OVER THE ENTIRE SITE, THE ENGINEER ASSUMES NO RESPONSIBILITY FOR FINAL EARTHWORK QUANTITIES.

20. THE VALUES SHOWN ON THE GRADING PLAN ARE TO AID THE CONTRACTOR IN DETERMINING THE QUANTITIES OF DIRT TO BE MOVED. THE CUT AND FILL QUANTITIES SHOWN INDICATE A THEORETICAL YARDAGE FIGURE AND ARE GIVEN ONLY AS A CONVENIENCE TO THE CONTRACTOR. THE QUANTITIES SHOWN SHALL NOT BE USED AS THE BASIS OF BID COSTS.

21. EARTHWORK QUANTITY VALUES SHOWN ON PAVING PLAN REPRESENT THE DIFFERENCE BETWEEN THE ESTIMATED EXISTING GRADES FROM ASBUILT DOCUMENTS COMPARED WITH THE SUBGRADE STRUCTURAL SECTIONS OF THE PROPOSED GRADING DESIGN. SEE STRUCTURAL SECTIONS IN HATCH LEGEND ON PAVING PLAN.

22. EARTHWORK QUANTITY CALCULATIONS DO NOT INCLUDE STRIPPING, SHRINKAGE, SWELL FACTORS OR MATERIAL FROM UTILITY TRENCH SPOILS.

DEWATERING NOTES

. SUMPS SHALL BE NO DEEPER THAN 5 FEET AND SHALL BE AT THE LOW POINT OF EXCAVATION. EXCAVATION SHALL BE GRADED TO DRAIN TO THE SUMPS.

2. THE CONTRACTOR SHALL CONTROL SURFACE WATER TO PREVENT ENTRY INTO EXCAVATIONS. AT EACH EXCAVATION, A SUFFICIENT NUMBER OF TEMPORARY OBSERVATION WELLS TO CONTINUOUSLY CHECK THE GROUNDWATER LEVEL SHALL BE PROVIDED.

3. ONE HUNDRED PERCENT STANDBY PUMPING CAPACITY SHALL BE AVAILABLE ON SITE AT ALL TIMES AND SHALL BE CONNECTED TO THE DEWATERING SYSTEM PIPING TO PERMIT IMMEDIATE USE. IN ADDITION, STANDBY AUXILIARY EQUIPMENT AND APPLIANCES FOR ALL ORDINARY EMERGENCIES, AND COMPETENT WORKMEN FOR OPERATION AND MAINTENANCE OF ALL DEWATERING EQUIPMENT SHALL BE ON SITE AT ALL TIMES. STANDBY EQUIPMENT SHALL INCLUDE EMERGENCY POWER GENERATION AND AUTOMATIC SWITCH OVER TO THE EMERGENCY GENERATOR WHEN NORMAL POWER FAILS. DEWATERING SYSTEMS SHALL NOT BE SHUT DOWN BETWEEN SHIFTS, ON HOLIDAYS, ON WEEKENDS, OR DURING WORK STOPPAGES.

THE CONTRACTOR SHALL FURNISH, INSTALL, OPERATE AND MAINTAIN ALL MACHINERY APPLIANCES, AND EQUIPMENT TO MAINTAIN ALL EXCAVATIONS FREE FROM WATER DURING CONSTRUCTION. THE CONTRACTOR SHALL DISPOSE OF THE WATER SO AS NOT TO CAUSE DAMAGE TO PUBLIC OR PRIVATE PROPERTY, OR TO CAUSE A NUISANCE OR MENACE TO THE PUBLIC OR VIOLATE THE LAW. THE DEWATERING SYSTEM SHALL BE INSTALLED AND OPERATED SO THAT THE GROUNDWATER LEVEL OUTSIDE THE EXCAVATION IS NOT REDUCED TO THE EXTENT WHICH WOULD CAUSE DAMAGE OR ENDANGERED ADJACENT STRUCTURES OR PROPERTY. ALL COST FOR DEWATERING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ALL PIPE CONSTRUCTION. THE STATIC WATER LEVEL SHALL BE DRAWN DOWN A MINIMUM OF 1 FOOT BELOW THE BOTTOM OF EXCAVATIONS TO MAINTAIN THE UNDISTURBED STATE OF NATURAL SOILS AND ALLOW THE PLACEMENT OF ANY FILL TO THE SPECIFIED DENSITY. THE CONTRACTOR SHALL HAVE ON HAND, PUMPING EQUIPMENT AND MACHINERY IN GOOD WORKING CONDITION FOR EMERGENCIES AND SHALL HAVE WORKMEN AVAILABLE FOR IT'S OPERATION. DEWATERING SYSTEMS SHALL OPERATE CONTINUOUSLY UNTIL BACK FILL HAS BEEN COMPLETED TO 1 FOOT ABOVE THE NORMAL STATIC GROUNDWATER

THE CONTROL OF GROUNDWATER SHALL BE SUCH THAT SOFTENING OF THE BOTTOM OF EXCAVATIONS, OR FORMATION OF "QUICK" CONDITIONS OR "BOILS", DOES NOT OCCUR. DEWATERING SYSTEMS SHALL BE DESIGNED AND OPERATED SO AS TO PREVENT REMOVAL OF THE NATURAL SOILS. THE RELEASE OF GROUNDWATER AT ITS STATIC LEVEL SHALL BE PERFORMED IN SUCH A MANNER AS TO MAINTAIN THE UNDISTURBED STATE OF THE NATURAL FOUNDATIONS SOILS, PREVENT DISTURBANCE OF COMPACTED BACK FILL, AND PREVENT FLOTATION OR MOVEMENT OF STRUCTURES, PIPELINES AND SEWERS. IF AN NPDES (NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM) PERMIT IS REQUIRED FOR DISPOSAL OF WATER FROM CONSTRUCTION DEWATERING ACTIVITIES, IT SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO ANY DEWATERING ACTIVITIES.

STORM DRAIN NOTES

I. ALL STORM DRAIN CONSTRUCTION, MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE CALIFORNIA PLUMBING CODE.

. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN OR OTHER DEVICES NECESSARY FOR PUBLIC SAFETY.

3. THE CONTRACTOR SHALL PROVIDE ALL SHORING, BRACING, SLOPING OR OTHER PROVISIONS NECESSARY TO PROTECT WORKMEN FOR ALL AREAS TO BE EXCAVATED TO A DEPTH OF 5 FEET OR MORE. SAID PROTECTION TO BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS, AND STATE REGULATIONS.

4. THE CONTRACTOR SHALL EXPOSE ALL EXISTING STORM DRAIN PIPES, WHERE A CONNECTION IS TO BE MADE, AND NOTIFY THE ENGINEER IF THERE IS A DISCREPANCY BETWEEN THE SIGNED PLANS AND THE EXISTING FIELD CONDITION PRIOR TO THE START OF CONSTRUCTION.

STORM DRAIN CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UNDERGROUND UTILITIES AND WILL BE RESPONSIBLE FOR PROTECTION OF THE SAME.

STORM DRAIN NOTES (CONT)

6. ALL MAINTENANCE HOLE RIMS TO BE ADJUSTED TO PROPOSED FINISH GRADE AFTER STREET PAVING, UNLESS OTHERWISE NOTED. COST FOR RAISING FACILITIES TO BE INCLUDED IN UNIT PRICES FOR MAINTENANCE HOLES.

7. ALL STORM DRAIN LINES SHALL BE CLEANED OF ALL SAND AND DEBRIS PRIOR TO

ACCEPTANCE BY SAN JOAQUIN COUNTY.

8. CONTRACTOR TO BE RESPONSIBLE FOR ALL TESTING OF STORM DRAIN FACILITIES IN

ACCORDANCE WITH SAN JOAQUIN COUNTY STANDARD SPECIFICATIONS AND PLANS.

9. STORM DRAINAGE SYSTEM WILL BE PRIVATELY OWNED AND MAINTAINED.

10. ALL STORM DRAIN PIPE MATERIALS SHALL BE IN ACCORDANCE WITH THE CALIFORNIA PLUMBING CODE AND SAN JOAQUIN COUNTY STANDARDS AND SPECIFICATIONS.

CONTRACTOR SHALL HAVE PIPE MANUFACTURER PERFORM CALCULATIONS TO DETERMINE PIPE CLASS PRIOR TO CONSTRUCTION DUE TO EXCESSIVE DEPTH.

11. ALL STORM DRAIN MAINTENANCE HOLES AND BASES SHALL BE PRECAST AND CONSTRUCTED IN ACCORDANCE WITH SAN JOAQUIN COUNTY STANDARDS, CONTRACTOR SHALL SET MAINTENANCE HOLE CASTING AND COVERS TO FINISH GRADE AFTER STREET IMPROVEMENTS ARE COMPLETE, AND SHALL BE RESPONSIBLE FOR LOCATION OF MAINTENANCE HOLES BENEATH THE FINISH PAVEMENT.

NPDES NOTES

STORM DRAIN NPDES PERMIT TO COMPLY WITH THE STATE OF CALIFORNIA'S STATEWIDE GENERAL NPDES PERMIT, REGULATING DISCHARGES OF STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY FROM SOIL DISTURBANCES OF ONE (1) ACRE OR MORE, A NOTICE OF INTENT (NOI) TO COMPLY WITH THE TERMS OF THE GENERAL PERMIT TO DISCHARGE STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY MUST BE FILED AND THE APPROPRIATE FEE PAID PRIOR TO COMMENCEMENT OF CONSTRUCTION. IN ADDITION, AT THE CONCLUSION OF THE PROJECT A NOTICE OF TERMINATION (NOT) MUST ALSO BE FILED. SUBMIT THE FEE, NOI, AND NOT TO THE STATE WATER RESOURCES CONTROL BOARD UTILIZING THE STORM WATER MULTIPLE APPLICATION AND REPORT TRACKING SYSTEM (SMARTS) AT THE FOLLOWING ADDRESS:

WWW.SMARTS.WATERBOARDS.CA.GOV

FEES AND PAYMENTS CAN BE MADE TO THE FOLLOWING ADDRESS:

STATE WATER RESOURCES CONTROL BOARD DIVISION OF WATER QUALITY ATTN: STORM WATER PERMIT UNIT P.O. BOX 1977 SACRAMENTO, CA 95812—1977

IF YOU HAVE ANY QUESTIONS CALL JOSEPH HENAO, WATER QUALITY CONTROL ENGINEER, CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, AT (916) 255-3028.

THE FOLLOWING MUST BE SUBMITTED TO THE COUNTY PRIOR TO BEGINNING WORK AND PRIOR TO THE ISSUANCE OF AN ENCROACHMENT PERMIT:

A) TRANSMITTAL MEMO THAT INCLUDES:

* THE NAME AND PHONE NUMBER OF THE PERSON RESPONSIBLE FOR SWPPP
INPLEMENTATION, AND

* IF APPLICABLE, A LISTING OF THE POST—CONSTRUCTION BEST MANAGEMENT PRACTICES
THAT WILL BE INSTALLED TO SATISFY THE REQUIREMENTS OF SAN JOAQUIN COUNTY.

* COPY OF SWPPP MUST REMAIN ON SITE DURING CONSTRUCTION AT ALL TIMES.

B) COPY OF A SIGNED NOTICE OF INTENT FORM OR A WASTE DISCHARGE IDENTIFICATION

NUMBER.

WDID#: CONTRACTOR TO PROVIDE PRIOR TO CONSTRUCTION; IF REQUIRED

TOPOGRAPHY NOTES

PLIN SET DESIGN BASED OFF OF TOPOGRAPHIC SURVEY PERFORMED ON FEBRUARY 3, 2016. CONTRACTOR SHALL BE AWARE THAT SINCE THIS INITIAL SURVEY THE SITE MAY HAVE CHANGED.

ALL EXISTING UTILITIES WERE PLOTTED FROM RECORD INFORMATION AND FIELD TOPDGRAPHY. ACTUAL LOCATIONS MAY VARY AND ADDITIONAL CROSSINGS MAY EXIST IN THE FIELD.

3. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN EXPOSING EXISTING UTILITY

4. ANY DAMAGE TO EXISTING UTILITIES WILL BE THE SOLE RESPONSIBILITY OF THE

PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL CALL U.S.A. (800) 227–2600 TO HAVE THE SITE MARKED. THE CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITIES TO VERIFY THAT NO CONFLICTS EXIST BETWEEN PROPOSED AND EXISTING IMPROVEMENTS.

AN ATTEMPT HAS BEEN MADE TO SHOW ALL EXISTING STRUCTURES, UTILITIES, DRIVES, PAIEMENTS, CURBS, WALKS, ETC. IN THEIR APPROXIMATE LOCATION ON THE SURVEY ANI/OR WORKING DRAWINGS. HOWEVER, OTHERS THAT ARE NOT SHOWN MAY EXIST AND MAY BE FOUND UPON VISITING THE SITE OR DURING THE CLEARING AND REMOVAL WORK. IT WILL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO ACCURATELY LOCATE ALL EXISTING FACILITIES AND TO DETERMINE THEIR EXTENT. IF SUCH FACILITIES OBTRUCT THE PROGRESS OF THE WORK AND ARE NOT INDICATED TO BE REMOVED OR RELOCATED, THEY SHALL BE REMOVED OR RELOCATED ONLY AS DIRECTED BY THE OWIER.

7. IN CCORDANCE WITH SECTION 8771 OF THE PROFESSIONAL LAND SURVEYORS ACT
A) MONUMENTS SET SHALL BE SUFFICIENT IN NUMBER AND DURABILITY AND EFFICIENTLY
PLACED SO AS NOT TO BE READILY DISTURBED, TO ASSURE, TOGETHER WITH
MONUMENTS ALREADY EXISTING, THE PERPETUATION OR FACILE REESTABLISHMENT OF
ANY POINT OR LINE OF THE SURVEY.

B) WHEN MONUMENTS EXIST THAT CONTROL THE LOCATION OF SUBDIVISIONS, TRACTS, BOUNDARIES, ROADS, STREETS, OR HIGHWAYS, OR PROVIDE HORIZONTAL OR VERTICA SURVEY CONTROL, THE MONUMENTS SHALL BE LOCATED AND REFERENCED BY OR UNDER THE DIRECTION OF A LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER PRIOR TO THE TIME WHEN ANY STREETS, HIGHWAYS, OTHER RIGHTS-OF-WAY, OR EASEMENTS ARE IMPROVED, CONSTRUCTED, RECONSTRUCTED, MAINTAINED, RESURFACED, OR RELOCATED, AND A CORNER RECORD OR RECORD OF SURVEY OF THE REFERENCES SHALL BE FILED WITH THE COUNTY SURVEYOR. THEY SHALL BE RESET IN THE SURFACE OF THE NEW CONSTRUCTION, A SUITABLE MONUMENT BOX PLACED THEREON, OR PERMANENT WITNESS MONUMENTS SET TO PERPETUATE THEIR LOCATION IF ANY MONUMENT COULD BE DESTROYED, DAMAGED COVERED, OR OTHERWISE OBLITERATED, AND A CORNER RECORD OR RECORD OF SURVEY FILED WITH THE COUNTY SURVEYOR PRIOR TO THE RECORDING OF A CERTIFICATE OF COMPLETION FOR THE PROJECT. SUFFICIENT CONTROLLING MONUMENTS SHALL BE RETAINED OR REPLACED IN THEIR ORIGINAL POSITIONS TO ENABLE PROPERTY, RIGHT-OF-WAY AND EASEMENT LINES, PROPERTY CORNERS, AND SUBDIVISION AND TRACT BOUNDARIES TO BE REESTABLISHED WITHOUT PREVIOUS SURVEYS NECESSARILY ORIGINATING ON MONUMENTS DIFFERING FROM THOSE THAT CURRENTLY CONTROL THE AREA. IT SHALL BE THE RESPONSIBILITY OF THE GOVERNMENTAL AGENCY OR OTHERS PERFORMING CONSTRUCTION WORK TO PROVIDE FOR THE MONUMENTATION REQUIRED BY THIS SECTION. IT SHALL BE THE DUTY OF EVERY LAND SURVEYOR OR CIVIL ENGINEER TO COOPERATE WITH THE GOVERNMENTA AGENCY IN MATTERS OF MAPS, FIELD NOTES, AND OTHER PERTINENT RECORDS. MONUMENTS SET TO MARK THE LIMITING LINES OF HIGHWAYS, ROADS, STREETS OR RIGHT-OF-WAY OR EASEMENT LINES SHALL NOT BE DEEMED ADEQUATE FOR THIS PURPOSE UNLESS SPECIFICALLY NOTED ON THE CORNER RECORD OR RECORD OF SURVEY OF THE IMPROVEMENT WORKS WITH DIRECT TIES IN BEARING OR AZIMUTH AND DISTANCE BETWEEN THESE AND OTHER MONUMENTS OF RECORD.

C) CONTRACTOR SHALL COORDINATE WITH THE LAND SURVEYOR OF RECORD, PRIOR TO STARTING CONSTRUCTION, TO IDENTIFY ALL SURVEY MONUMENTS THAT MAY BE SUBJECT TO DISTURBANCE AND SHALL INCLUDE COSTS FOR MONUMENT PRESERVATION, REPLACEMENT, AND PREPARATION OF CORNER RECORDS OR RECORD OF SURVEY IN CONTRACTOR'S BID.

D) THE DECISION TO FILE EITHER THE REQUIRED CORNER RECORD OF A RECORD OF SURVEY PURSUANT TO SUBDIVISION (B) SHALL BE AT THE ELECTION OF THE LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER SUBMITTING THE DOCUMENT, AT CONTRACTOR'S EXPENSE.

§732.5, §1492.5, §1810.5 OF THE CALIFORNIA STREETS AND HIGHWAYS CODES

SURVEY MONUMENTS SHALL BE PRESERVED, REFERENCED, OR REPLACED PURSUANT TO SECTION 8771 OF THE BUSINESS AND PROFESSIONS CODE.

TOPOGRAPHY NOTES (CONT)

 THE CONTRACTOR SHALL REPORT ANY EXISTING SITE ELEMENT NOT SHOWN ON THE WORKING DRAWINGS TO THE ARCHITECT OF RECORD SO THAT THE PROPER DISPENSATIO OF THAT ELEMENT MAY BE MADE.

10. IN CONJUNCTION WITH CONTACTING USA TO LOCATE UNDERGROUND UTILITIES WITHIN THE PUBLIC RIGHT—OF—WAY IT IS HIGHLY RECOMMENDED THAT THE CONTRACTOR UTILIZE (GPR) GROUND PENETRATING RADAR UNDERGROUND SERVICES TO IDENTIFY ONSITE UTILITIES THAT MAY NOT BE VISIBLE FROM THE SURFACE

UTILITIES THAT MAY NOT BE VISIBLE FROM THE SURFACE.

11. CONTRACTOR SHALL REVIEW ALL OF THE CONSULTANT'S PLAN SETS FOR ADDITIONAL DEMOLITION, REPLACEMENT AND IMPROVEMENTS PRIOR TO BEGINNING OF ANY WORK. A CONFLICT IS FOUND THEN THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND

12. CONTRACTOR/DEVELOPER SHALL OBTAIN AN ENCROACHMENT PERMIT FROM THE APPROPRIATE AGENCY TO DO ANY WORK WITHIN RIGHT—OF—WAY PRIOR TO CONSTRUCTION.

CONTRACTOR TO BE CAUTIOUS OF UNDERGROUND STUBS AND LINES. CONTRACTOR SHALL USE EXTREME CAUTION AS TO OTHER LINES MAY EXIST ON THE SITE THAT ARE NOT CLEARLY MARKED.

SITE LAYOUT NOTES

ENGINEER IMMEDIATELY.

SEE ARCHITECTURAL PLANS FOR ALL BUILDING DETAILS, STRUCTURAL DETAILS, FOOTING DETAILS, UTILITY POINTS OF CONNECTION, ROOF DRAIN LOCATIONS, ADA PATH OF TRAVEL, ADA SIGNAGE, ADA ACCESSIBILITY DETAILS, TRUNCATED DOME LOCATIONS, ENTRY MONUMENTS, GENERAL SIGNAGE, PARKING LOT STRIPING AND SITE PLAN CONSTRAINTS.

. SEE PLUMBING PLANS FOR CONTINUATION OF UTILITIES WITHIN 5 FEET OF THE BUILDING

SEE WELL PLANS FOR WELL IMPROVEMENTS AND PUMP DESIGNED BY BLACKWATER CONSULTING ENGINEERS TO PRODUCE ADEQUATE PRESSURE AND FLOW TO BUILDINGS BASED ON BUILDING DEMANDS AND PIPE SIZE REQUIREMENTS.

4. SEE LANDSCAPE PLANS FOR ALL LANDSCAPE IMPROVEMENTS INCLUDING LANDSCAPE IRRIGATION, LANDSCAPE AREA GRADING, LANDSCAPE SLEEVE CROSSINGS AND LANDSCAPE SLOPE TREATMENT. ANY AND ALL LANDSCAPE REMOVAL OR RELOCATION.

SEE ELECTRICAL PLANS FOR DRY UTILITY LAYOUT, DRY UTILITY DETAILS AND SPECIFICATIONS, MODIFICATIONS TO EXISTING DRY UTILITIES, SITE LIGHTING LOCATIONS AND DETAILS, POINTS OF CONNECTION, AND SLEEVE CROSSINGS. ANY AND ALL ELECTRICAL REMOVAL OR RELOCATION.

SEE GEOTECHNICAL SERVICES REPORT PREPARED BY TERRACON CONSULTANTS, INC. (PROJECT No. NA165067) DATED MAY 16, 2016 TITLED "GEOTECHNICAL ENGINEERING AND GEOHAZARDS REPORT, COLONY OAK K-8 SCHOOL, RIPON, CALIFORNIA" FOR SITE GEOTECHNICAL SPECIFICATIONS. ADDITIONAL GEOTECHNICAL REPORTS OR ADDENDUMS MAY EXIST IN WHICH CASE THE CONTRACTOR SHALL CONTACT THE CLIENT PRIOR TO CONSTRUCTION TO ENSURE THAT ALL REPORTS AND ADDENDUMS HAVE BEEN PROVIDED. CONTRACTOR SHALL REVIEW ALL REPORTS AND ADDENDUMS THEN NOTIFY NORTHSTAR ENGINEERING SHOULD A CONFLICT IS FOUND OR DESIGN SHOWN ON THESE PLANS DOES NOT MEET THE GEOTECHNICAL ENGINEERS RECOMMENDATIONS.

THE GEOTECHNICAL REPORT HAS INDICATED THAT THE SOIL ONSITE EXHIBITS A MODERATE CORROSIVE POTENTIAL TO BURIED METAL PIPES. CONTRACTOR TO PROVIDE CATHODIC PROTECTION AS REQUIRED. CATHODIC PROTECTION TO BE DESIGNED BY A DESIGN PROFESSIONAL PROFICIENT IN THE WORK AND PAID FOR BY THE CONTRACTOR. SEE GEOTECHNICAL REPORT FOR ADDITIONAL DETAIL AND INFORMATION.

POURING ANY CONCRETE OR ASPHALT.

STRIPING SHALL BE APPLIED PER COUNTY STANDARDS AS SHOWN ON THIS PLAN SET.

ADDITIONALLY STRIPING AND SIGNAGE INFORMATION SHALL FOLLOW MANUAL OF UNIFORM

GEOTECHNICAL ENGINEER SHALL VERIFY MOISTURE CONTENT AND CONDITIONING PRIOR T

TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION, MUTCD CALIFORNIA SUPPLEMENTS.

FLATWORK SHALL BE INSTALLED WITH CRACK CONTROL JOINTS AT APPROPRIATE SPACING.

PORTLAND CEMENT ASSOCIATION GUIDELINES AND COUNTY STANDARDS; USE WHICH EVER IS MORE STRINGENT. SEE GEOTECHNICAL REPORT FOR ADDITIONAL PCC RECOMMENDATIONS.

CONSTRUCT CONTROL AND CONSTRUCTION JOINTS IN ACCORDANCE WITH CURRENT

12. IN AREAS OF EXPOSED CONCRETE, CONTROL JOINTS SHOULD BE SAW-CUT INTO THE SLAB AFTER CONCRETE PLACEMENT IN ACCORDANCE WITH ACI DESIGN MANUAL, SECTION 302.1R-37 8.3.12 (TOOLED CONTROL JOINTS ARE NOT RECOMMENDED).

13. ATTENTION SHOULD BE PAID TO HIGH TRAFFIC AREAS THAT HAVE BEEN RUTTED AND DISTURBED IN AN EARLIER STAGE, ALSO ATTENTION SHOULD BE PAID TO AREAS WHERE BACKFILLED TRENCHES ARE LOCATED. IF UNSUITABLE CONDITIONS EXIST, AREAS SHOULD BE REPAIRED BY REMOVING AND REPLACING THE AFFECTED MATERIAL WITH PROPERLY COMPACTED FILL.

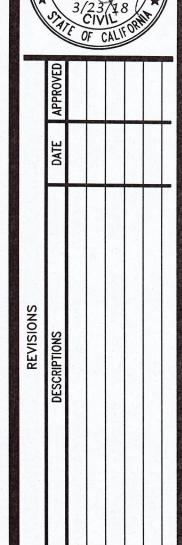
4. CONTRACTOR SHALL REVIEW GEOTECHNICAL REPORT AND STRUCTURAL FOUNDATION DETAILS FOR ADDITIONAL GRADING, DRAINAGE AND PROTECTION INFORMATION AND RECOMMENDATIONS.

5. THE EXISTING SOILS PRESENT A MODERATE CORROSIVE POTENTIAL TO BURIED METAL PIPES, CONTRACTOR SHALL CONSULT WITH MANUFACTURER PRIOR TO INSTALLING ANY METAL UNDERGROUND UTILITY.

CONTRACTOR SHALL HAVE THE PROJECT GEOTECHNICAL ENGINEER (OR A DESIGNATED REPRESENTATIVE) PRESENT WHEN EXCAVATING FOR THE FRENCH DRAIN AND SEPTIC SYSTEMS TO EVALUATE THE SOIL CONDITIONS WITH RESPECT TO PERCOLATION RATE. IF, IN THE OPINION OF THE GEOTECHNICAL ENGINEER, SOIL CONDITIONS DO NOT ADEQUATELY PROVIDE THE REQUIRED PERCOLATION RATE, THE CONTRACTOR SHALL FOLLOW THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER TO ACHIEVE FILTRATION NEEDED. IF REMEDY REQUIRES DESIGN CHANGES (I.E. CHANGE IN DEPTH, WIDTH, OR LOCATION), NORTHSTAR ENGINEERING GROUP MUST BE CONTACTED PRIOR TO EXECUTING THE CHANGES.

PROFESSIONAL PROFE





OFFSITE CIVIL IMPROVEMENT PLANS FOR COLONY OAK K-8 SCHOOL

Engineering Group, Inc.

• CIVIL ENGINEERING • SURVEYING • PLANNING 620 12 th Street Modesto, CA 95.

JOB #: 16-1696

DATE: 03/21/2018

SCALE: AS SHOWN

DRAWN:
DESIGN:
CHK'D: JPE

NUMBER

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