

ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
AB	AGGREGATE BASE	LF	LINEAR FEET
AC	ASPHALT CEMENT	LP	LOW POINT
ACP	ASBESTOS CEMENT PIPE	MATCH	MATCH EXISTING CONDITIONS
BC	BEGIN CURVE	MAX	MAXIMUM
BFP	BACKFLOW PREVENTION ASSEMBLY	MH	MANHOLE
BSBL	BUILDING SETBACK LINE	MIN	MINIMUM
BOW, BSW, BW	BACK OF SIDEWALK	N	NORTH, NEW
CB	CATCH BASIN	NG	NATIVE GROUND
CBS	CURB AND GUTTER	N/S	NOT TO SCALE
CCP	CAST IRON PIPE, CAST IN PLACE	OE	ONED EARTH
CL	CENTERLINE	O/H	OVER-HEAD UTILITIES
CO	CLEAN OUT	P	PAVEMENT
CONC	CONCRETE	PL	PROPERTY LINE
DEMO	DEMOLISH	PCC	POINT OF COMPOUND CURVE
DET	DETAL	PP	POWER POLE
DI	DROP INLET	PT	POINT, POINT OF TANGENT
DA	DIAMETER	PNT	POINT
DIP	DUCTILE IRON PIPE	PLUE	PUBLIC UTILITY EASEMENT
DW	DRIVEWAY, DRY WELL	PVC	POLYVINYL CHLORIDE
E	EAST, EXISTING	RCP	REINFORCED CONCRETE PIPE
EC	END CURVE	R	RADIUS, RADIAL BEARING
ELEC	ELECTRICAL	REQD	REQUIRED
ELEV	ELEVATION	RP	RADIUS POINT
EP	EDGE OF PAVEMENT	S	SOUTH, SLOPE
ER	END OF CURB RETURN	SD	STORM DRAIN
ES	EXTRA STRENGTH	SDMH	STORM DRAIN MANHOLE
ESMT	EASEMENT	SS	SANITARY SEWER
EX	EXISTING	SSMH	SANITARY SEWER MANHOLE
FE	FENCE	SSMH(T)	TERMINAL SEWER MANHOLE
FF	FINISH FLOOR	STD	STANDARD
FH	FIRE HYDRANT	SW	SOUTHWEST, SIDEWALK
FL	FLOWLINE	TEMP	TEMPORARY
FW	FACE OF WALK, FRONT OF WALK	TEMP	TEMPORARY
GB	GRADE BREAK	TFC	TOP FACE OF CURB
GS	GROUND SHOT	THRU	THROUGH
GV	GAS VALVE, GATE VALVE	TW	TOP OF WALL
HORIZ	HORIZONTAL	VERT	VERTICAL
HP	HIGH POINT	VCP	VITRIFIED CLAY PIPE
INV	INVERT	W	WEST, WATER
IRR	IRRIGATION	WM	WATER METER
JPOLE	JOINT UTILITY POLE	WV	WATER VALVE

LIST OF ABBREVIATIONS

DESCRIPTION	PROPOSED	EXISTING
SANITARY SEWER		
STORM SEWER		
WATER LINE		
ELECTRICAL CONDUIT		
WATER VALVE		
GRADES/ELEVATIONS		
SLOPE/FLOW DIRECTION		
CONTOUR LINE		
CENTERLINE		
PROPERTY LINE		
RIGHT OF WAY		
EASEMENT		
MANHOLE		
DRAIN INLET		
DRAIN INLET "GOS" @ DOWNSPOUT		
CATCH BASIN		
WATER METER		
CURB AND GUTTER		
SIDEWALK		
DRIVEWAY		
FIRE HYDRANT		
SIGN		
UTILITY POLE		
FENCE		
ELECTROILER		

SYMBOLS LEGEND

CONSTRUCTION STAKING LIABILITY WAIVER:

THESE IMPROVEMENT PLANS HAVE BEEN PREPARED WITH THE INTENT THAT SKW & ASSOCIATES WILL BE PERFORMING THE CONSTRUCTION STAKING FOR THE COMPLETE PROJECT. SHOULD ANOTHER ENGINEERING AND/OR SURVEYING FIRM BE EMPLOYED TO USE THESE PLANS FOR THE PURPOSE OF CONSTRUCTION STAKING, NOTICE IS HEREBY GIVEN THAT SKW & ASSOCIATES WILL NOT ASSUME ANY RESPONSIBILITY FOR ERRORS AND/OR OMISSIONS, IF ANY, WHICH MIGHT OCCUR AND WHICH COULD HAVE BEEN NOTICED, CORRECTED OR MITIGATED IF SKW & ASSOCIATES HAD PERFORMED THE CONSTRUCTION STAKING WORK.

LIABILITY WAIVER

- SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NONCOMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A REVISION, A CONSTRUCTION CHANGE DOCUMENT, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, OBTAINING THE REQUIRED REPAIR WORK SHALL BE APPROVED BY THE OWNER AND THE PROJECT ARCHITECT BEFORE PROCEEDING WITH THE REPAIR WORK.
- ALL CHANGES IN THE APPROVED PLANS AND SPECIFICATIONS SHALL BE MADE BY CONSTRUCTION CHANGE DOCUMENT AND REQUIRE WRITTEN APPROVAL BY THE OWNER AND THE PROJECT ARCHITECT.
- TEMPORARY TOILET FACILITIES SHALL BE PROVIDED.
- ALL PENETRATIONS IN FIRE RATED ASSEMBLIES SHALL BE PROTECTED IN ACCORDANCE WITH C.B.C. CHAPTER 7.
- TESTING OF MATERIALS SHALL BE CONDUCTED BY A TESTING LAB SELECTED BY THE OWNER & APPROVED BY THE PROJECT ARCHITECT. THE OWNER SHALL PAY FOR THE TESTING OF MATERIALS IN ACCORDANCE WITH SECTION 01410.
- ALL WORK SHALL BE CONTINUALLY INSPECTED BY AN INSPECTOR APPROVED BY THE PROJECT ARCHITECT.
- ALL ITEMS ARE TO BE CONSIDERED NEW UNLESS IDENTIFIED AS EXISTING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIRING AN UNDERGROUND UTILITY LOCATING SERVICE AND WILL BE RESPONSIBLE FOR REPAIRS TO ANY AND ALL UNDERGROUND UTILITIES DAMAGED IN THE TRENCHING AND/OR HORIZONTAL BORING AT THE SITE.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE TO BECOME FAMILIAR WITH THE PROJECT AREA & SITE CONDITION.
- THE CONTRACTOR SHALL ADVISE THE OWNER AND THE PROJECT ARCHITECT OF THE SCHEDULE AND COORDINATE WORKS AS SO TO HAVE THE LEAST POSSIBLE IMPACT ON THE OWNER'S OPERATIONS.
- EXISTING IMPROVEMENTS AND UTILITIES DAMAGED DURING THE COURSE OF THE WORK SHALL BE PROMPTLY REPAIRED. EXISTING IMPROVEMENTS AND UTILITIES DAMAGED FOR WHICH LOCATIONS WERE UNKNOWN, SHALL BE IMMEDIATELY BROUGHT TO THE PROJECT ARCHITECT'S ATTENTION AND PROMPTLY REPAIRED AT HIS DIRECTION. THE WORK REQUIRED TO REPAIR DAMAGED EXISTING WILL BE REVIEWED AND TAKEN UNDER CONSIDERATION AS EXTRA WORK.
- THE CONTRACTOR WILL VERIFY EXACT CONDITIONS AND DIMENSIONS IN FIELD.
- ADEQUATELY PROTECT ALL PERSONNEL AND THE PUBLIC FROM HARM AND ACCIDENT DURING WORK OF THE PROJECT, BY THE ERECTION OF PROPER BARRICADES, SIGNAGE AND LIGHTING AS MAY BE NECESSARY ADEQUATELY PROTECT ALL EXISTING BUILDINGS AND SURFACES ADJACENT TO THE WORK OF THIS PROJECT FROM DAMAGED.
- NO INTERFERENCE OF THE USE OF FIRE LANES OR PUBLIC EGRESS AT ANY TIME SHALL BE ALLOWED UNLESS OTHERWISE AUTHORIZED IN THESE DOCUMENTS OR IN WRITING.
- ALL RUBBISH AND DEBRIS SHALL BE LEGALLY DISPOSED OF OFF THE SITE BY THE CONTRACTOR. THE CONTRACTOR SHALL MAINTAIN THE PREMISES FREE OF ACCUMULATED WASTE AND MATERIALS CAUSED BY CONTRACTORS, EMPLOYEES OR THE WORK, OR THE EMPLOYEES OR WORK OF THE SUB-CONTRACTORS.
- NO MATERIAL OR EQUIPMENT SHALL BE LEFT ON THE PROJECT SITE OVERNIGHT UNSECURED.
- IN ACCORDANCE WITH THE GENERAL CONDITIONS OF THE CONTRACT, A FULL-TIME SUPERINTENDENT SHALL BE EMPLOYED BY THE CONTRACTOR AND SHALL BE PRESENT AT THE JOB SITE WHILE WORK IS BEING PERFORMED.
- THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR EXISTING CONCRETE WALKS, LANDSCAPING, IRRIGATION SYSTEMS, ETC. WHICH MAY BE DAMAGED BY THE WORK OF THIS PROJECT, IF DAMAGE OCCURS, CONTRACTOR MUST REPAIR.

STANDARD NOTES

OWNER:	SYLVAN UNION SCHOOL DISTRICT 605 SYLVAN AVENUE, MODESTO, CA 95355 TEL. (209) 574-5000 CONTACT PERSON: SEAN SMITH
PROJECT:	PAVEMENT REPLACEMENT PROJECT & SITE IMPROVEMENTS STANDIFORD ELEMENTARY SCHOOL 605 TOKAY AVE., MODESTO, CA 95355
ARCHITECT/CIVIL:	SKW & ASSOCIATES ENGINEERING * ARCHITECTURE * SURVEYING 2237 SCENIC DRIVE, MODESTO, CA 95355 TEL. (209) 523-8323 EXT 226 FAX (209) 529-7804 CONTACT PERSON: JOSHUA GREGOIRE

PROJECT TEAM

CIVIL:	C-1.0 COVER SHEET C-2.0 CIVIL SPECIFICATIONS C-3.0 EXISTING TOPOGRAPHY & DEMOLITION PLAN C-4.0 GRADING PLAN C-5.0 DETAILS C-6.0 EROSION CONTROL PLAN
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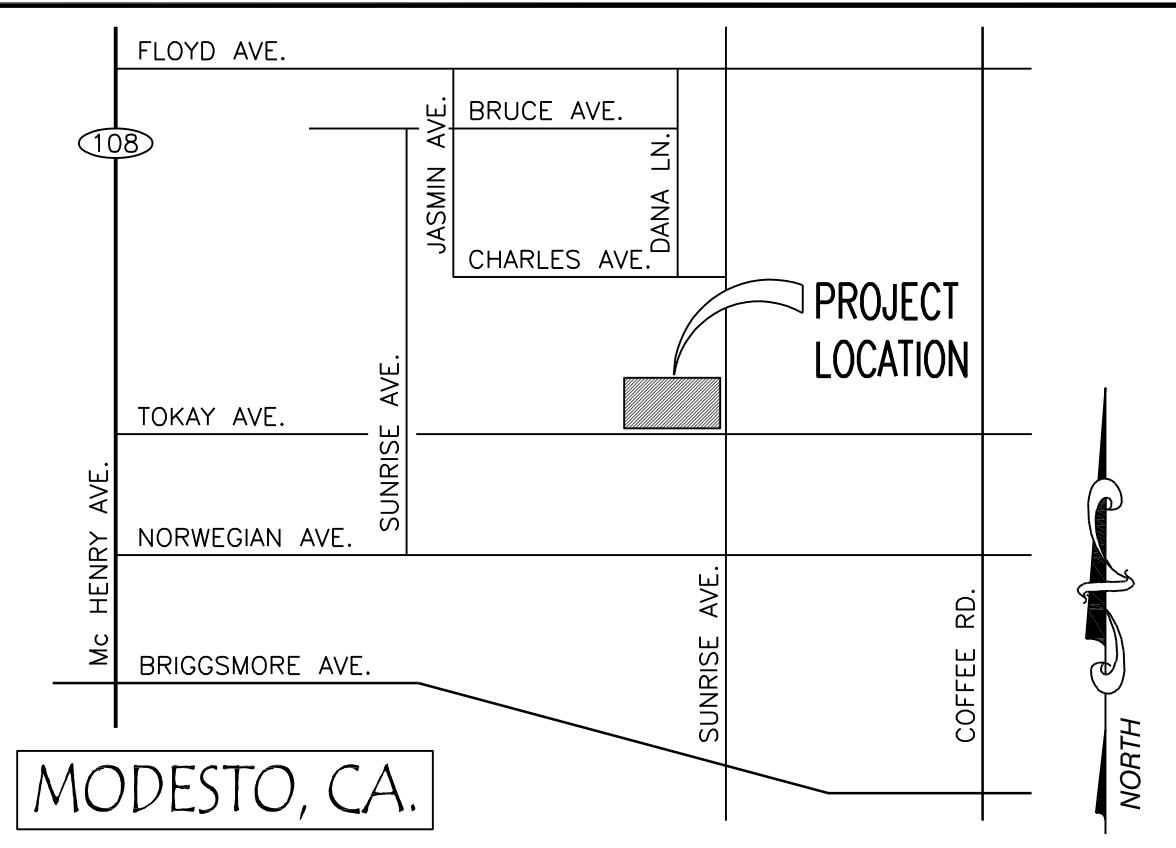
SHEET INDEX

- PARTIAL LIST OF APPLICABLE CODES:**
- 2019 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
 - 2019 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. (2018 INTERNATIONAL BUILDING CODE AND 2019 CALIFORNIA AMENDMENTS)
 - 2019 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (2017 NATIONAL ELECTRICAL CODE AND 2019 CALIFORNIA AMENDMENTS)
 - 2019 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R. (2018 UNIFORM MECHANICAL CODE AND 2019 CALIFORNIA AMENDMENTS)
 - 2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. (2018 UNIFORM PLUMBING CODE AND 2019 CALIFORNIA AMENDMENTS)
 - 2019 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
 - 2019 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (2018 INTERNATIONAL FIRE CODE 2016 CALIFORNIA AMENDMENTS)
 - 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE, (CAL GREEN) PART 11, TITLE 24 C.C.R.
 - 2019 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R. TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
 - AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES (ADAAG)
 - 2019 EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 C.C.R. (2018 INTERNATIONAL EXISTING BUILDING CODE WITH CALIFORNIA AMENDMENTS)

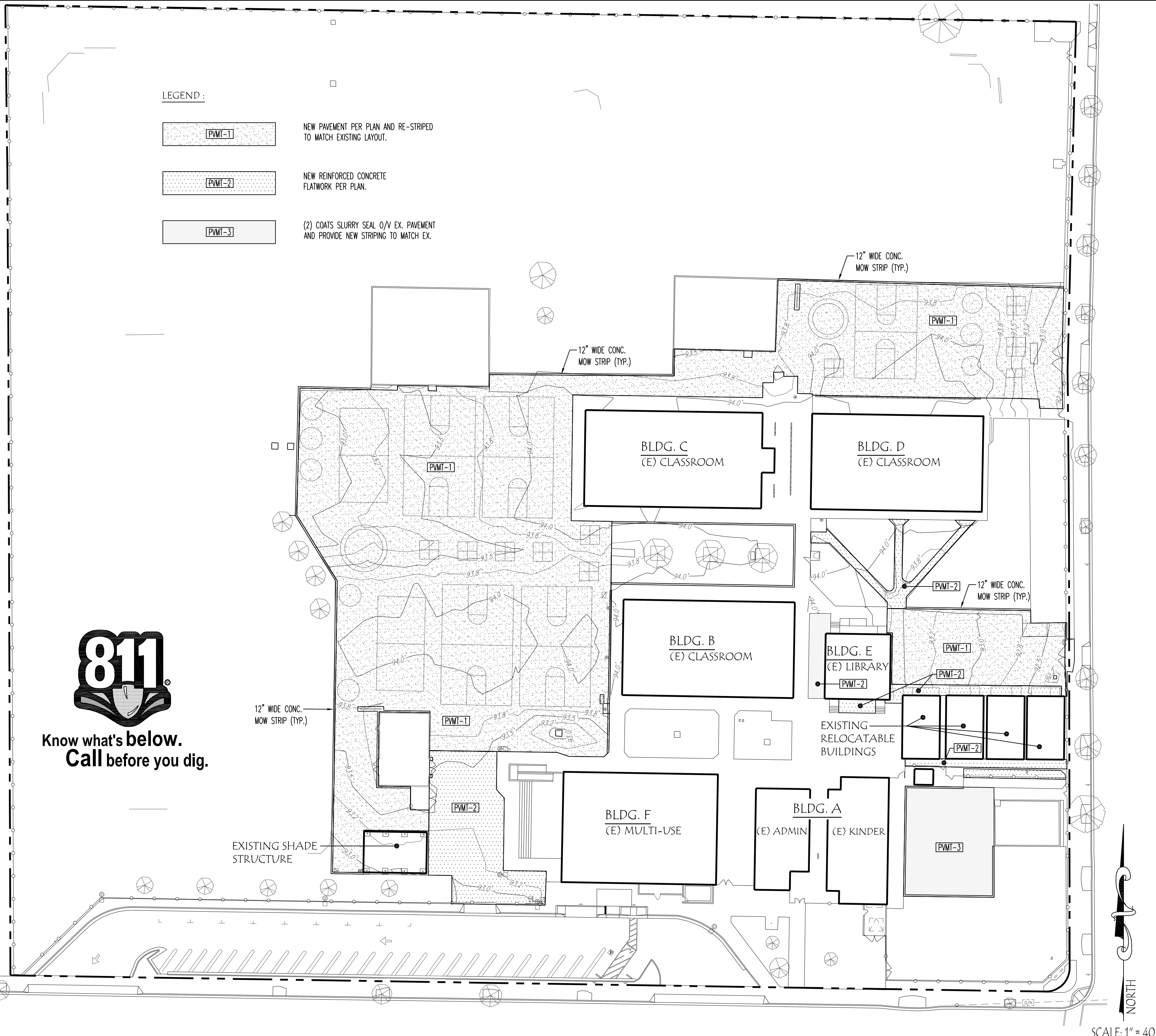
APPLICABLE CODES

SYLVAN UNION SCHOOL DISTRICT STANDIFORD ELEMENTARY PAVEMENT REPLACEMENT PROJECT & SITE IMPROVEMENTS

605 TOKAY AVE. MODESTO, CA. 95355



PROJECT TITLE



KEY PLAN



PROJECT TITLE:
SYLVAN UNION SCHOOL DISTRICT:
STANDIFORD ELEMENTARY SCHOOL
PAVEMENT REPLACEMENT PROJECT &
SITE IMPROVEMENTS
605 TOKAY AVE.
MODESTO, CA. 95355

COVER SHEET

REVISIONS:

BY: RH / JG
LIST: SYLVAN
DATE: 02-21-2021
JOB: 21MO95

SHEET: C1.0

NOTE: THE CONTRACTOR SHALL CHECK ALL DIMENSIONS OF THE JOB AND SHALL BE RESPONSIBLE FOR ALL DISCREPANCIES BETWEEN DIMENSIONS OF THE ACTUAL WORK AND THOSE SHOWN ON THE DOCUMENTS. DIMENSIONS SHOWN ON THESE PLANS SHALL BE THE GOVERNING DIMENSIONS FOR THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DISCREPANCIES BETWEEN DIMENSIONS OF THE ACTUAL WORK AND THOSE SHOWN ON THE DOCUMENTS. DIMENSIONS SHOWN ON THESE PLANS SHALL BE THE GOVERNING DIMENSIONS FOR THE PROJECT.

CIVIL SPECIFICATIONS NOTES :

- IF APPLICABLE, ALL IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF MODESTO DEPARTMENT OF PUBLIC WORKS STANDARD SPECIFICATIONS, THE LATEST EDITION OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD SPECIFICATIONS, THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE AND THE FEDERAL AMERICANS WITH DISABILITIES ACT REQUIREMENTS FOR ACCESSIBLE DESIGN AND CONSTRUCTION.
- THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ANY WORK PERFORMED BY THE CONTRACTOR OR OWNER BASED ON PLANS WHICH HAVE NOT BEEN SIGNED AND SEALED BY THE ENGINEER. ALL INFORMATION SHOWN ON PRELIMINARY DRAWINGS IS SUBJECT TO CORRECTION AND CHANGE, AND THE CONTRACTOR OR OWNER SHALL PERFORM ANY AND ALL WORK AT THEIR OWN RISK.
- ALL DISTANCES AND MEASUREMENTS ARE GIVEN AND WILL BE MADE IN THE HORIZONTAL PLANE. GRADE WILL BE GIVEN FROM THE TOP OF NAILS OR STAKES, UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL PRESERVE ALL POINTS AND STAKES SET FOR LINES AND GRADES OR MEASUREMENTS OF THE WORK, IN THEIR PROPER LOCATION 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 GENERAL CONTRACTOR.
- SKW & ASSOCIATES WILL PROVIDE A QUOTE UPON REQUEST BY THE CONTRACTOR FOR STAKING. THESE PLANS HAVE BEEN PREPARED WITH THE INTENT THAT SKW & ASSOCIATES (IF HIRED/EMPLOYED) WILL PERFORM THE CONSTRUCTION STAKING FOR THE COMPLETE PROJECT. THE CONTRACTOR SHALL PROVIDE SKW & ASSOCIATES WITH THE FORTY-EIGHT HOURS ADVANCE NOTICE OF STAKING NEEDS. ANY STAKING REQUESTED BY THE CONTRACTOR OR THEIR SUBCONTRACTORS THAT IS ABOVE AND BEYOND THE AGREED UPON STAKING REQUEST SHALL BE SUBJECT TO AN EXTRA BACK CHARGE TO THE CONTRACTOR / CLIENT. IF ANOTHER FIRM OR AGENCY IS EMPLOYED TO USE THESE PLANS FOR THE PURPOSE OF CONSTRUCTION STAKING, NOTICE IS HEREBY GIVEN THAT SKW & ASSOCIATES WILL NOT ASSUME ANY RESPONSIBILITY FOR ERRORS OR OMISSIONS. IF ANY, WHICH MIGHT OCCUR AND WHICH COULD HAVE BEEN AVOIDED, CORRECTED OR MITIGATED IF SKW & ASSOCIATES HAD PERFORMED THE STAKING WORK.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW HIS WORK PRIOR TO THE REMOVAL OF CONSTRUCTION STAKES. IN THE EVENT THAT DISCREPANCIES ARISE BETWEEN CONSTRUCTION AND STAKING, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO FIELD REVIEW THE CONSTRUCTION STAKES. THE ENGINEER ACCEPTS NO RESPONSIBILITY FOR STAKING THAT HAS BEEN REMOVED OR DESTROYED BY THE CONTRACTOR.
- WHERE THE PLANS OR SPECIFICATIONS DESCRIBE PORTIONS OF THE WORK IN GENERAL TERMS, BUT NOT IN COMPLETE DETAIL, IT IS UNDERSTOOD THAT ONLY THE BEST GENERAL PRACTICE IS TO PREVAIL AND THAT ONLY MATERIALS AND WORKMANSHIP OF THE FINEST QUALITY ARE TO BE USED.
- THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL SAFETY REGULATIONS PERTAINING TO HIS OPERATIONS. HE SHALL PROVIDE ALL LIGHTS, SIGN, BARRICADES, FLAG MEN OR OTHER DEVICES NECESSARY FOR THE PUBLIC SAFETY IN ACCORDANCE WITH THE CURRENT ISSUE OF "MANUAL OF TRAFFIC CONTROLS WARNING SIGNS, LIGHTS AND DEVICES FOR USE IN PERFORMANCE OF WORK UPON HIGHWAYS" PUBLISHED BY THE STATE OF CALIFORNIA BUSINESS AND TRANSPORTATION AGENCY. THE CONTRACTOR'S ATTENTION IS ALSO CALLED TO THE REQUIREMENTS OF TITLE 8 OF THE CALIFORNIA ADMINISTRATIVE CODE, SUBCHAPTER 4, ARTICLE 6, "EXCAVATION, TRENCHES, EARTHWORK."
- THE 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 OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE SUBMITTAL OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
- THE CONTRACTOR SHALL PROVIDE SUBMITTALS FOR REVIEW AND APPROVAL OF ALL CONSTRUCTION MATERIALS INCLUDING SHOP DRAWINGS, PRODUCT LITERATURE, DATA SHEETS AND SPECIFICATIONS. NEITHER THE REVIEW NOR THE LACK OF REVIEW OF ANY SUBMITTALS SHALL WAIVE ANY OF THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, OR RELIEVE THE CONTRACTOR OF ANY OBLIGATION THERE UNDER.

DEMOLITION NOTES :

- THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, SERVICES, EQUIPMENT AND APPLIANCES REQUIRED TO PERFORM ALL DEMOLITION AS SHOWN ON THE PLANS.
- THIS IS A PAVEMENT REPLACEMENT AND RE-GRADE PROJECT. ALL EXISTING ASPHALT CONCRETE PAVEMENT WITHIN THE LIMITS OF WORK IS TO BE REMOVED, AS SHOWN ON THE PLANS. THE EXACT THICKNESS OF EXISTING PAVEMENT IS UNKNOWN. THE CONTRACTOR SHALL REMOVE AND DICATE SUFFICIENT EXISTING MATERIAL (AND UNDERLYING NATIVE SOIL) TO ACCOMMODATE THE PAVING SECTION NOTED ON THE GRADING PLANS.
- THE DEMOLISHED ASPHALT PAVEMENT AND BASE ROCK MATERIALS MAY BE RECYCLED, STOCKPILED AND RE-USE ON THIS PROJECT AS AGGREGATE SUB-BASE MATERIAL (AS) IN LIEU OF STANDARD CLASS II AGGREGATE BASE ROCK (AB). SEE PAVEMENT PULVERIZATION NOTES.
- THE CONTRACTOR SHALL THOROUGHLY INVESTIGATE THE PROJECT SITE, DRAWING, AND AVAILABLE DOCUMENTS TO BECOME FAMILIAR WITH ALL CONDITIONS AFFECTING WORK. THE CONTRACTOR'S ATTENTION IS DRAWN TO CONDITIONS WHERE DEMOLITION OCCURS ADJACENT TO EXISTING ITEMS THAT ARE TO REMAIN UNDISTURBED. ADDITIONAL COMPENSATION WILL NOT BE MADE FOR THE DISCOVERY OF CONDITIONS THAT COULD HAVE BEEN DETERMINED BY CAREFUL INVESTIGATION OR INFERENCE.
- THE CONTRACTOR SHALL PROVIDE PROTECTION TO FACILITIES THAT ARE WITHIN THE AREA OF DEMOLITION, BUT ARE TO REMAIN. REFER TO THE PLAN FOR LOCATIONS.
- THE CONTRACTOR SHALL REVIEW PROJECT PARAMETERS WITH DISTRICT PERSONNEL TO CONFIRM RESULTS OF INSPECTION AND TAGGING PROCESS. THE CONTRACTOR SHALL SEPARATELY TAG ITEMS THAT ARE TO BE SALVAGED AND DELIVERED TO THE DISTRICT.
- THE CONTRACTOR SHALL DISCUSS AND VERIFY SEQUENCING OF WORK WITH THE DISTRICT PRIOR TO START OF DEMOLITION WORK.
- THE CONTRACTOR SHALL PROVIDE AND PAY FOR ALL REQUIRED PROFESSIONAL CONSULTING ASSISTANCE AND/OR SUBCONTRACT ASSISTANCE TO DETERMINE WHICH PORTIONS OF EXISTING SYSTEMS (PLUMBING, ELECTRICAL, MECHANICAL, ETC.) MAY BE REMOVED WITHOUT IMPAIRING THE FUNCTION OF THE REMAINING PORTION OF THESE SYSTEMS.
- THE CONTRACTOR SHALL REMOVE AND LEGALLY DISPOSE OF ALL MATERIAL AND EQUIPMENT SCHEDULED AND REQUIRED TO BE REMOVED.
- THE CONTRACTOR SHALL REPAIR SYSTEMS, IF PORTIONS ARE REMOVE WHICH IMPAIR FUNCTION OF PORTIONS REQUIRED TO REMAIN.
- THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS REQUIRED FOR ALL PORTIONS OF DEMOLITION WORK, INCLUDING HAULING AND DUMPING.
- THE CONTRACTOR SHALL PROVIDE BARRICADES, DUST PALLIATION, ETC., LISTING WARNING SIGN, GUARDS, AS REQUIRED TO PROTECT THE PUBLIC, THE WORKERS, AND EXISTING CONSTRUCTION TO REMAIN, COMPLY WITH ALL REGULATORY AGENCIES.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY LATERAL SUPPORT INCLUDING SHORING, SHEETING, UNDERPINNING, ETC., FOR ALL EXISTING CONSTRUCTIONS, BANKS, BUILDINGS, PUBLIC WAYS, ETC., TO REMAIN IN PLACE AS REQUIRED.
- THE CONTRACTOR SHALL PROTECT EXISTING CATCH BASING AND EXISTING STORM DRAIN LINES ON SITE FROM DAMAGE AND FROM DEBRIS ACCUMULATING IN DRAINS AND DRAIN LINES. SHOULD RAIN OCCUR DURING DEMOLITION OPERATIONS, DRAIN SHALL BE UNCOVERED BUT PROTECTED SO THAT ONLY WATER BUT NO DEBRIS FLOWS INTO THE DRAINAGE SYSTEM. PROVIDE SAND BAG DAMS AS REQUIRED TO CONTAIN WATER AND PREVENT RUN-OFF PAST CONSTRUCTION LIMITS. SAND BAG DAMS TO REMAIN IN PLACE UNTIL COMPLETION OF CONSTRUCTION.
- THE PLANS INDICATE EXISTING CONDITIONS, THESE EXISTING CONDITIONS ARE NOT GUARANTEED TO BE ACCURATE AND VARIATIONS MAY OCCUR. NOTIFY ENGINEER OF THESE VARIATIONS IF CHANGES OR CORRECTIONS ARE REQUIRED.
- THE CONTRACTOR SHALL EXERCISE CAUTION WHEN EXCAVATING ON SITE, AS NOT ALL BURIED FACILITIES HAVE BEEN IDENTIFIED. COORDINATE WITH DISTRICT PERSONNEL PRIOR TO THE START OF EXCAVATION FOR REVIEW OF EXISTING CONDITIONS.
- THE CONTRACTOR SHOULD PROCEED WITH CAUTION SO AS TO AVOID DAMAGE TO EXISTING FACILITIES THAT ARE TO REMAIN UNDISTURBED. NOTIFY THE ENGINEER IMMEDIATELY UPON DISCOVERY OF EXISTING CONDITIONS THAT REQUIRE MODIFICATION OF APPROVED PLANS. PROJECT SITE HOWEVER PRECISE LOCATIONS ARE NOT CLEARLY KNOWN OR RECORDED.
- WITH THE EXCEPTION OF THE ITEMS SPECIFIED ON THE PLANS, ALL DEMOLISHED MATERIALS SHALL BECOME THE CONTRACTOR'S PROPERTY TO DISPOSE OF TO HIS BEST ADVANTAGE. REMOVE ALL DEMOLISHED MATERIALS FROM THE SITE, DISPOSE OF NON-SALVAGE MATERIALS LEGALLY. ON-SITE SALE, BURYING AND BURNING OF DEMOLISHED MATERIALS WILL NOT BE PERMITTED.
- TAKE ALL NECESSARY STEPS TO CONTROL NOISE AND DUST, COMPLY WITH REQUIREMENTS OF REGULATORY AGENCIES AND COOPERATED WITH DISTRICT REQUIREMENTS WHERE NOISE AND DUST MAY AFFECT DISTRICT OPERATIONS ON CAMPUS.
- COMPLETELY REMOVE ITEMS SCHEDULED TO BE SO DEMOLISHED AND REMOVED, LEAVING SURFACES CLEAN, SOLID AND READY TO RECEIVE NEW MATERIALS SPECIFIED.

DEMOLITION NOTES CONT. :

- CONCRETE TO BE REMOVED SHALL BE SAW CUT IN STRAIGHT LINE, OR REMOVED TO THE NEAREST COLD JOINT AS REQUIRED.
- ASPHALT PAVEMENT SHALL BE SAW CUT IN STRAIGHT LINES AS SHOWN ON PLAN. ANY DAMAGE TO THE SAVED EDGE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE BY SECTION, REMOVING THE PAVEMENT SECTION AND REPLACING THE NEW SECTION.
- IF ADDITION PAVEMENT OR CONCRETE IS REMOVED, THE CONTRACTOR SHALL REPAIR IN KIND AS DIRECTED BY THE DISTRICT, ARCHITECT OR ENGINEER.
- SIGNS, UTILITY BOXES AND COVERS, FRAMES AND GRATES SHALL BE SALVAGED FOR REUSED ON THIS PROJECT OR PROVIDED TO THE DISTRICT.
- THE CONTRACTOR SHALL LOCATE AND PRESERVE ALL EXISTING FACILITIES INCLUDING GAS, WATER, IRRIGATION, POWER, TELEPHONE, SEWER OR OTHERS WHICH MAY BE PRESENT IN THE AREA OF CONSTRUCTION. THE RESPECTIVE UTILITY COMPANIES SHALL BE NOTIFIED PRIOR TO BEGINNING WORK.
- EXISTING UTILITIES WITHIN THE AREA OF DEMOLITION SHALL BE PRESERVED IN PLACE, MODIFIED AS PER THE PLANS OR REMOVED AS REQUIRED. THE CONTRACTOR SHALL DETERMINE THE EXACT EXTENT OF MODIFICATIONS AND REMOVALS OF UTILITIES PRIOR TO PERFORMING THE WORK. THE CONTRACTOR SHALL COORDINATE THE UTILITY REMOVALS, SHUTDOWN OR RELOCATIONS WITH THE RESPECTIVE UTILITY COMPANIES AS REQUIRED.
- ALL EXISTING SITE FURNISHINGS (CARGO/STORAGE CONTAINERS, BIKE RACKS, PICNIC TABLES ETC.) WILL BE REMOVED BY THE DISTRICT PRIOR TO DEMOLITION ACTIVITIES.
- VARIOUS FIXED PLAYGROUND EQUIPMENT MAY INTERFERE WITH THE PAVEMENT REMOVAL AND PAVING PROCESS SELECTED BY THE CONTRACTOR WHERE THE PLANS DO NOT SPECIFICALLY CALL FOR FIXED EQUIPMENT TO BE REMOVED. THE CONTRACTOR MAY ELECT TO REMOVE, SALVAGE AND REINSTALL THE FIXED ITEMS. IN KIND AND AT NO ADDITIONAL COST, TO AID IN THE PAVEMENT REMOVAL AND PAVING PROCESS UNLESS OTHERWISE NOTED ON THE PLANS. THE CONTRACTOR AT HIS DISCRETION, HAS THE OPTION TO LEAVE AND RE-ADJUST WITH STEEL SLEEVE. IF NEEDED, REMOVE AND REINSTALL OR REPLACE WITH NEW BASKETBALL EQUIPMENT. NO ADDITIONAL PAYMENT WILL BE MADE IF THE CONTRACTOR ELECTS TO REMOVE, SALVAGE AND REINSTALL OR REPLACE WITH NEW BASKETBALL EQUIPMENT. IN KIND, ALL TETHERBALL POLES WITHIN THE DEMOLITION LIMITS SHALL BE REMOVED, SALVAGED AND REINSTALLED IN KIND WITH NEW FOOTING.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ADJUST ALL LANDSCAPING IRRIGATION, AS NEEDED, IN AND AROUND THE AREA OF WORK. PLANTING AND IRRIGATION IS TO BE RESTORED TO BE ORIGINAL CONFIGURATION WITH AREAS TO BE GRADED AND RE-SEALED.

PAVEMENT PULVERIZATION :

- IF THE CONTRACTOR ELECTS TO RECYCLE AND RE-USE THE EXISTING ASPHALT CONCRETE (AC) AND AGGREGATE BASE (AB) MATERIAL IN THE PAVING SECTION. THE RECLAMATION WORK SHALL CONFIRM TO THE FOLLOWING SPECIFICATIONS, OTHERWISE, IF THE CONTRACTOR ELECTS TO DISPOSE OF THE DEMOLISHED ASPHALT CONCRETE (AC) AND AGGREGATE BASE MATERIAL (AB) DISPOSAL, SHALL BE IN ACCORDANCE WITH THE DEMOLITION NOTES ABOVE.
- AS AN ELECTIVE PROCEDURE, THE CONTRACTOR MAY SELECT CERTAIN AREAS FOR PULVERIZATION AND CERTAIN AREAS FOR CONVENTIONAL REMOVAL BASED ON CONVENIENCE AND PROTECTION OF EXISTING FACILITIES.
- THE CONTRACTOR SHALL PULVERIZE AND MIX THE EXISTING ASPHALT PAVEMENT AND BASE COURSE MATERIAL TO A DEPTH OF 3" ANY REMAINING BASE MATERIAL SHALL BE REMOVED IN CONJUNCTION WITH ROUGH GRADING OPERATIONS AND CAN BE STOCKPILED FOR RE-USE ON THIS PROJECT.
- STOCKPILED PAVEMENT AND BASE MATERIAL SHALL BE PULVERIZED, MIXED AND PREPARED IN SUCH A MANNER THAT THE FINAL MATERIAL MEET CALTRANS GRADATION REQUIREMENTS FOR CALTRANS CLASS 3 AGGREGATE BASE MATERIAL, 3/4" INCH MAXIMUM GRADING. THE CONTRACTOR SHALL PROVIDE TESTING RESULTS FOR VERIFICATION OF CONFORMANCE.
- EXCESS PULVERIZED MATERIAL MAY BE USED FOR A THICKER BASE COURSE OR FOR CORRECTIONS TO PROFILE AND CROSS SLOPE, OTHERWISE EXCESS PULVERIZED MATERIAL SHALL BE DISPOSED OF IN ACCORDANCE WITH THE DEMOLITION NOTES ABOVE.
- THE CONTRACTOR WILL DETERMINE THE SEQUENCE OF OPERATIONS TO ACHIEVE THE DESIRED RESULTS. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT EDITION OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS AND THE LATEST EDITION OF THE CALIFORNIA PAVING CODE.
- THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 9 SECTION 6705, 6706 AND 6707 OF THE STATE LABOR CODE.
- THE CONTRACTOR SHALL SUBMIT FOR APPROVAL A DETAILED PLAN SHOWING THE DESIGN OF SHORING, BRACING, SLOPING OR OTHER PROVISIONS TO BE MADE FOR WORKER PROTECTION FOR ALL AREAS TO BE EXCAVATED TO A DEPTH OF FIVE FEET OR MORE. IF THE PLAN VARIES FROM THE SHORING SYSTEM STANDARDS, THE PLANS SHALL BE PREPARED BY REGISTERED CIVIL OR STRUCTURAL ENGINEER.
- P.V.C. STORM DRAIN PIPE AS SHOWN ON THE PLANS SHALL BE POLYVINYL CHLORIDE PIPE CONFORMING TO ASTM D-3034 , SDR 35, WITH RUBBER SEALING RINGS MEETING ASTM D-3212 "JOINTS FOR DRAINS AND SEWER PIPES USING FLEXIBLE ELASTOMERIC SEALS" OR AN APPROVED EQUAL.
- C.M.P. STORM DRAIN PIPE AS SHOWN ON THE PLANS (FOR INTERCONNECTING DRYWELLS) SHALL BE CORRUGATED GALVANIZED STEEL OR CORRUGATED ALUMINUM PIPE, 16 GAGE. THE PIPE SHALL CONFORM TO THE STATE OF CALIFORNIA STANDARDS, SECTION 66-1.02, AND ASSHOTO M-36 FOR STEEL OR M-196 FOR ALUMINUM.
- WHERE THE PLANS SHOW C.M.P. STORM DRAIN PIPE. THE CONTRACTOR MAY USE P.V.C. CONFORMING TO ASTM D-3034 - SDR-35, WITH RUBBER SEALING RINGS MEETING ASTM D-3212 "JOINTS FOR DRAINS AND SEWER PIPES USING FLEXIBLE ELASTOMERIC SEALS" OR AN APPROVED EQUAL. THE CONTRACTOR SHALL PROVIDE SUBMITTAL TO ENSURE MINIMUM COVER REQUIREMENTS ARE MET FOR SUBSTITUTED MATERIAL.
- ALL DRYWELLS SHALL BE PROTECTED FROM CONSTRUCTION CONTAMINATION UNTIL THE PROJECT IS COMPLETED AND CLEANED OF ALL DEBRIS.
- THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF THE EXISTING UTILITY LINES PRIOR TO CONSTRUCTION. IT IS UNDERSTOOD THAT THE CONTRACTOR "POTHOLE" THE EXISTING UTILITIES. IF A CONFLICT EXISTS BETWEEN EXISTING AND PROPOSED UTILITY LINES, THE CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO BEGINNING THE INSTALLATION OF THE PROPOSED UTILITIES. FIELD ADJUSTMENTS TO THE UTILITIES CAN BE MADE WITH THE APPROVAL OF THE ENGINEER.
- PRIOR TO INSTALLATION OF STORM DRAINAGE FACILITIES, THE CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATION AND DEPTH OF "DOWN-STREAM" POINTS OF CONNECTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF DISCREPANCIES EXIST BETWEEN THE PLANS AND EXISTING CONDITIONS. IF THE CONTRACTOR CHOOSE TO BEGIN INSTALLATION OF STORM DRAINAGE FACILITIES "UP-STREAM" OF PROPOSED POINTS OF CONNECTION WITHOUT PRIOR VERIFICATION OF EXISTING CONDITIONS, THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY COSTS ASSOCIATED WITH CORRECTING POTENTIAL PROBLEMS.
- ALL UTILITIES LINE TRENCHES SHALL BE BACKFILLED AND RE-COMPACTED IN ACCORDANCE WITH THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS. PIPES SHALL BE BEDDED WITH SELECTED NATIVE SOILS AS APPROVED BY A GEOTECHNICAL ENGINEER, OR CLEAN SANDS TO A DEPTH OF AT LEAST TWO FEET OVER THE PIPE (OR AS SHOWN ON THE PLAN). THE REMAINDER OF THE BACKFILL MAY BE ON-SITE SOIL COMPACTED TO 95 PERCENT PER ASTM D1557.

ASPHALT CONCRETE PAVING :

- THE PAVING CONTRACTOR SHALL PROVIDE COMPACTION TESTS AT THE CONTRACTOR'S EXPENSE.
- UNLESS OTHERWISE NOTED ON PLANS, ALL EXISTING BOXES, VAULTS, CLEANOUTS, MANHOLES, DRYWELLS, INLETS, ETC. WITHIN THE AREA OF NEW PAVEMENT THAT ARE TO REMAIN SHALL BE ADJUSTED TO FINISH GRADE AND PROTECTED WITH A NEW 8" WIDE (MIN.) RECTANGULAR CONCRETE COLLAR.
- APPROPRIATE DUST CONTROL SHALL BE PROVIDED FOR THE ALLEVATION OR PREVENTION OF DUST NUISANCE AT THE CONTRACTOR'S EXPENSE.
- AFTER SUB-GRADE EXCAVATION, THE EXPOSED SOIL SURFACE SHALL BE SCARIFIED AND RE-COMPACTED TO THE DEPTH OF 6". THE RECOMMENDED DEGREE OF RE-COMPACTON IS 95 PERCENT IN CONCRETE PAVEMENT AREA. THESE PERCENTAGES REFER TO THE MAXIMUM DRY DENSITY AS OBTAINED BY THE ASTM D-1557 TEST PROCEDURE.
- ALL SUBGRADE PREPARATION AND PAVING SHALL CONFORM TO SECTION 26 OF THE CALTRANS STANDARD SPECIFICATIONS AND SHALL BE PLACED TO THE MINIMUM THICKNESS AS SHOWN ON THE PLANS.
- APPLY TACK COAT TO ASPHALT BASE COURSE IMMEDIATELY PRIOR TO SPREADING SURFACE COURSE MATERIALS. APPLY 0.15 GALLONS PER SQUARE YARD OF SURFACE TO BE COVERED. APPLY TACK COAT BY BITUMINOUS DISTRIBUTOR SO UNIFORM DISTRIBUTION IS OBTAINED AT ALL POINTS. APPLY TACK COAT TO EACH LAYER OF BASE COURSE AND ALLOW TO CURE BEFORE PLACING SUCCEEDING COURSE. APPLY ONLY AS MUCH TACK COAT ON PAVEMENT AS CAN BE COVERED WITH ASPHALT AGGREGATE MIXTURE IN THE SAME DAY.
- ASPHALT CONCRETE SHALL CONFORM TO SECTION 39 OF THE CALTRANS STANDARDS AND SHALL BE TYPE A ASPHALT CONCRETE USING PG 64-10 PAVING ASPHALT, AGGREGATE USED IN ALL BUT THE FINAL COURSE SHALL BE 3/4" MINIMUM, MEDIUM GRADING. AGGREGATE IN THE FINAL COURSE (WEARING SURFACE) SHALL BE TYPE B, 1/2" MAXIMUM, MEDIUM GRADING.

- PLANT NOT-MIX ASPHALT CONCRETE SURFACE COURSE OF THE SPECIFIED GRADE SHALL BE PLACED IN ONE OR MORE COURSES TO THE THICKNESS INDICATED PLACED OVER THE PREVIOUSLY PREPARED / APPROVED BASE COURSE.
- PLACE ASPHALT CONCRETE ONLY WHEN THE PRIME OR TACK COATED BASE COURSE IS DRY, WEATHER IS NOT RAINY AND WHEN TEMPERATURES ARE ABOVE 50°F.
- PLACE MIXTURE WITH A BITUMINOUS SPREADER IN STRIPS HAVING A TEN (10) FOOT WIDTH. DO NOT ROLL THE EDGE 6-INCH STRIP ADJACENT TO THE AREA THAT ADDITIONAL MATERIAL IS TO BE LAD UNTIL ADDITIONAL MATERIALS ARE PLACED. AFTER THE FIRST STRIP HAS BEEN PLACED AND ROLLED, PLACE THE SECOND STRIP AND EXTEND ROLLING TO INCLUDE THE 6 INCHES OF THE FIRST STRIP NOT PREVIOUSLY ROLLED. PLACE SUCCEEDING STRIPS WHILE THE UNROLLED 6 INCH SECTION OF THE ADDING WORK IS HOT AND READILY COMPACTABLE.
- JOINTS : ALL JOINTS SHALL HAVE THE SAME TEXTURE AND DENSITY.
- SMOOTHNESS : THE FINISHED SURFACE SHALL BE FREE OF BRID BATHS AND NOT VARY MORE THAN 1/8 INCH WHEN TESTED WITH A 10 FOOT STRAIGHT EDGE APPLIED BOTH PARALLEL WITH AND AT RIGHT ANGLES TO THE CENTERLINE OF THE PAVED AREA.
- THICKNESS : AS SHOWN ON DRAWINGS.

SLURRY SEAL :

- SLURRY SEAL SHALL CONFORM TO CALTRANS SPECIFICATION SECTION 37-3.
- PRIOR TO APPLICATION OF SLURRY, FAILED AREAS AND DEPRESSIONS SHALL BE REPAIRED AND DUST, DIRT AND OTHER FOREIGN MATERIAL REMOVED FROM THE SURFACE. ANY STANDARD CLEANING METHOD CAN BE USED.
- APPLY ONE COAT OF THE SANDED EMULSIFIED ASPHALT SLURRY SEAT COAT MATERIAL OVER ALL NEW PAVING AND TWO COATS OVER EXISTING AREAS. LIMITS AS NOTES ON THE PLAN. APPLICATION OF THE SLURRY SEAL COAT SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND REFERENCED STANDARDS. ADJUST TYPE OF SLURRY MIXTURE USED AND APPLICATION PROCEDURES BASED ON ACTUAL PROJECT CONDITIONS AND DIRECTION OF PLACEMENT SO THAT A UNIFORM DISTRIBUTION IS OBTAINED AT ALL POINTS.
- SEAL COAT "TYPE I" SHALL BE USED FOR MAXIMUM CRACK PENETRATION AND SURFACE SEALING IN LOW TRAFFIC AREAS. "TYPE II" SHALL BE USED FOR PREVENTATIVE MAINTENANCE APPLICATIONS TO CORRECT SEVERE RAVELING, OXIDATION AND LOSS OF MATRIX AND TO IMPROVE SKID RESISTANCE IN AREAS OF MODERATE TO HEAVY TRAFFIC. "TYPE III" SHALL BE USED AS THE FIRST COURSE IN MULTI-COURSE APPLICATIONS TO CORRECT SEVERE SURFACE CONDITIONS AND TO IMPART SKID RESISTANCE ON PAVEMENTS WITH HEAVIER TRAFFIC LOADINGS.
- MIX DESIGN, THE AGGREGATES, EMULSIFIED ASPHALT AND WATER SHALL FORM CREAMY TEXTURED SLURRY THAT WHEN SPREAD, WILL FLOW IN A WAVE AHEAD OF THE STRIKE-OFF SQUEEGEE. THIS WILL ALLOW THE SLURRY TO FLOW DOWN INTO THE PITS AND CRACKS IN THE PAVEMENT AND FILL THEM BEFORE THE STRIKE-OFF PASSED OVER.
- A TACK COAT OF DILUTED EMULSIFIED ASPHALT OF THE SAME TYPE AND GRADE SPECIFIED FOR THE SLURRY IS RECOMMENDED FOR ALL PAVEMENT SURFACES EXCEPT CLEAN ASPHALT MIXES THAT ARE ONLY A FEW DAYS OLD.
- MONITOR PAVING PROCEDURES TO WATCH THE SPREADER BOX AND TO OBSERVE THAT THE SLURRY IS ROLLING IN ONE CONTINUOUS MASS EVENLY DISTRIBUTED ACROSS THE BOX TO THE BED OF THE PASS. USE PROPER PROCEDURES IN MAKING JOINTS SO AS NOT TO CAUSE ANY TEARING OR SCARRING. MINIMIZE HANDWORK SLURRY PLACEMENT AS MUCH AS POSSIBLE.
- UNIFORMLY APPLY SLURRY BY THE REQUIREMENTS OF THE STANDARDS SPECIFICATIONS FOR MINERAL FILLED FOR BITUMINOUS PAVING MIXTURES ASTM D242, ROLLING IN A CONTINUOUS MASS EVENLY DISTRIBUTED.
- FINISHED DRY AND THOROUGHLY SET SURFACE SEAL IS TO BE SMOOTH, TOUGH, RESILIENT, UNIFORM COLOR AND FREE FROM COARSE TEXTURES AREAS, LAP MARKS RIDGES AND OTHER SURFACE IRREGULARITY.
- SEAL COAT SHALL BE ALLOWED TO CURE BEFORE ALLOWING TRAFFIC ON THE PAVEMENT. LIGHT DUSTING OF THE AREA WITH FINE SAND MAY BE USED TO REMEDY EXCESS SEAL COAT APPLICATION.

CONCRETE PAVEMENT :

- CONCRETE - PORTLAND CEMENT CONCRETE PAVING SHALL CONFORM TO MINOR CONCRETE AS DEFINED IN THE STATE OF CALIFORNIA 2015 STANDARD SPECIFICATIONS SECTION 90-2, WITH A 28 DAY COMPRESSIVE STRENGTH OF 3,500 POUNDS PER SQUARE INCH AS A MINIMUM AND A MAXIMUM SLUMP OF 4 INCHES. CONCRETE SHALL CONSIST OF A MINIMUM OF 5.5 SACK MIX. OF PORTLAND CEMENT, WATER AND AGGREGATE. PORTLAND CEMENT SHALL BE "TYPE II". AGGREGATES SHALL BE WASHED BEFORE USE AND BE FREE FROM ANY FOREIGN MATTER.
- THE AGGREGATES SHALL BE GRADED TO PROVIDE A PLASTIC, WORKABLE MIXTURE OF MAXIMUM DENSITY WITH A MAXIMUM SIZE AGGREGATE OF 3/4 INCHES. THE WATER SHALL BE POTABLE AND NO ADMIXTURES SHALL BE USED WITHOUT APPROVAL OF THE ENGINEER. THE CEMENT, WATER AND AGGREGATES SHALL BE COMBINED AT THE BATCH PLANT AND BE THOROUGHLY MIXED. NO WATER SHALL BE ADDED TO THE MIXTURE AFTER LEAVING THE BATCH PLANT WITHOUT APPROVAL OF THE ENGINEER. ALL CONCRETE SHALL BE PLACED WITHIN 90 MINUTES AFTER THE INTRODUCTION OF WATER TO THE CEMENT. THE TEMPERATURE OF THE CONCRETE SHALL NOT BE LESS THAN 50°F AND NOT MORE THAN 90°F.
- THE CONCRETE SHALL BE CONSOLIDATED BY VIBRATING. CONCRETE WHICH HAS ROCK POCKETS OR HONEY COMBING AFTER CURING SHALL BE REMOVED AND REPLACED.
- ALL CONCRETE SHALL BE CURED IN ACCORDANCE WITH SECTION 90 OF THE STATE OF CALIFORNIA STANDARDS AND VEHICULAR TRAFFIC SHOULD NOT BE ALLOWED FOR 3 DAYS (AUTOMOBILE TRAFFIC) OR 7 DAYS (TRUCK TRAFFIC).
- CRACK CONTROL JOINTS SHALL BE PLACED AT 15 FOOT MAXIMUM INTERVALS AND SHALL PENETRATE THE CONCRETE SLAB A MINIMUM OF 1/4 OF THE SLAB THICKNESS.
- A THICKENED CONCRETE PAVEMENT EDGE SHALL BE INSTALLED ON THE OUTSIDE EDGE OF PAVING SUBJECTED TO VEHICULAR WHEEL LOADS.

PAVEMENT MARKINGS :

- ALL PAVEMENT STRIPING MARKING AND LEGNDS SHALL BE IN ACCORDANCE WITH SECTION 84 OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, LATEST EDITION FOR "PAINTED TRAFFIC STRIPES AND PAVEMENT MARKINGS," AND THE LATEST EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- ALL PAVEMENT MARKING WITHIN THE LIMITS OF WORK ARE TO BE REPLACED, IN KIND, ACCORDING TO THESE SPECIFICATIONS. THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL COSTS ASSOCIATED WITH PLACEMENT OF NEW PAVEMENT MARKING MATCHING THE EXISTING PRE-CONSTRUCTION CONDITIONS (COLOR, SIZE, SHAPE, QUANTITY, LOCATION, NUMBERS AND LINES ETC.) IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY AND RECORD THE EXISTING LAYOUT OF ALL PAVEMENT MARKINGS, AS NEEDED TO PRECISELY DUPLICATE THE MARKINGS. AS AN AID TO THE CONTRACTOR, THE GENERAL LAYOUT OF THE EXISTING PAVEMENT MARKING ARE RECORDED ON THE TOPOGRAPHIC SURVEY CONTAINED IN THIS PLAN. THE CONTRACTOR SHALL COORDINATE WITH THE DISTRICT TO DETERMINE IF ANY SCHOOL SPECIFIED PAVEMENT MARKING CHANGES ARE REQUIRED. THE CONTRACTOR WILL NOT BE REQUIRED TO REPLACE ANY COLORED "UNITED STATES" MAP MARKINGS.
- PLAYGROUND STRIPING AND PAVEMENT MARKING SHALL BE READY MIXED WHITE LATEX BASE PAINT CONFORMING TO FEDERAL SPECIFICATION IT-P-1952, "TYPE I OR II". "TYPE II" IS TO BE USED IN ENVIRONMENTS WITH HIGH HUMIDITY AND/OR WHERE TRACKING OF THE PAINT IS A CONCERN. THE CONTRACTOR SHALL THOROUGHLY CLEAN ALL SURFACES TO BE MARKED BEFORE APPLICATION OF PAINT. REMOVE DUST, DIRT AND OTHER GRANULAR SURFACE DEPOSITS BY SWEEPING, BLOWING WITH COMPRESSED AIR, RINSING WITH WATER OR A COMBINATION OF THESE METHODS. COMPLETELY REMOVE RUBBER DEPOSITS. EXISTING PAINT MARKING AND OTHER COATING ADHERING TO THE PAVEMENT WITH SCRAPERS, WIRE BRUSHINGS, SANDBLASTING, MECHANICAL ABRASION OR APPROVED CHEMICALS AS DIRECTED BY THE ENGINEER.
- ALLOW NEW PAVEMENT SURFACES TO CURE FOR A PERIOD OF NOT LESS THAN 14 DAYS BEFORE THE APPLICATION OF MARKING MATERIALS.
- APPLY UNIFORMLY PAINTED PAVEMENT MARKING OF REQUIRED COLOR(S), LENGTH, AND WIDTH WITH TRUE, SHARP EDGES AND ENDS ON PROPERLY CURED, PREPARED AND DRIED SURFACES IN CONFORMANCE WITH THE DETAILS AS SHOWN AND ESTABLISHED CONTROL POINTS. THE LENGTH AND WIDTH OF LINES SHALL CONFORM WITHIN A TOLERANCE OF PLUS OR MINUS 75MM (3 INCHES) AND PLUS OR MINUS 3MM (1/8 INCH) RESPECTIVELY. THE LENGTH OF THE INTERVALS SHALL NOT EXCEED THE LINE LENGTH TOLERANCE. TEMPERATURE OF THE SURFACE TO BE PAINTED AND THE ATMOSPHERE SHALL BE ABOVE 10°C (50°F) AND LESS THAN 35°C (95°F) APPLY THE PAINT AT A WET FILM THICKNESS OF 0.4MM (0.015 INCH). APPLY PAINT IN ONE COAT.
- THE CONTRACTOR SHALL NOT APPLY EXTERIOR COATING DURING RAIN OR WHEN RELATIVE HUMIDITY IS ABOVE 50 PERCENT, UNLESS REQUIRED OTHERWISE BY MANUFACTURER'S INSTRUCTIONS.

EROSION AND SEDIMENT CONTROL :

- THE CONTRACTOR SHALL IMPLEMENT THE "2019 CALIFORNIA GREEN BUILDING STANDARDS CODE, SECTION 5.106.1 STORM WATER POLLUTION PREVENTION", THE CONTRACTOR SHALL PREVENT SOIL LOSS FROM STORM WATER RUN-OFF AND/OR WIND EROSION OF SEDIMENTATION AND/OR OF DUST/PARTICULATE MATTER AIR POLLUTION. THE CONTRACTOR SHALL IMPLEMENT NECESSARY BEST MANAGEMENT PRACTICES (BMP'S) AS REQUIRED TO MEET FIELD CONDITIONS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR MONITORING AND MAINTENANCE OF BMP'S TO ENSURE THEIR EFFECTIVENESS THROUGH THE DURATION OF THE CONSTRUCTION PROCESS.
- THE CONTRACTOR SHALL HAVE PRIMARY RESPONSIBILITY AND SIGNIFICANT AUTHORITY FOR THE IMPLEMENTATION, MAINTENANCE, INSPECTION OF THE BMP MEASURES. THE CONTRACTOR SHALL BE AVAILABLE AT ALL TIMES THROUGHOUT THE DURATION OF THE PROJECT.
- ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED.
- ALL STORM WATER INLETS IN THE PROJECT VICINITY SHALL BE PROTECTED FROM CONSTRUCTION CONTAMINATION UNTIL THE PROJECT IS COMPLETE AND CLEARED OF ALL DEBRIS.
- WHILE NO STATE "CONSTRUCTION GENERAL PERMIT" COVERAGE IS REQUIRED, CONSTRUCTION BEST MANAGEMENT PRACTICES (BMP'S) SHALL BE FOLLOWED. BMP'S INCLUDE BUT ARE NOT LIMITED TO EROSION AND SEDIMENT CONTROL MEASURES AND MAINTAINING PROPER DOCUMENTATION (RECORD KEEPING).
- THE CONTRACTOR IS RESPONSIBLE FOR RE-ESTABLISHING TURF/LAWN AREAS DISTURBED AROUND THE PERIMETER OF THE PLAYGROUND AREA AND ADJUTING LANDSCAPE IRRIGATION SPRINKLER HEADS ACCORDINGLY. GRASS FIELD AREAS ARE TO BE RE-SEADED ACCORDING TO DISTRICT SEED MIX REQUIREMENTS AND SHALL DEMONSTRATE SUFFICIENT GROWTH PRIOR TO PROJECT COMPLETION.

SEPTIC SYSTEMS & WELL DEMOLITION :

- IN THE EVENT AN EXISTING SEPTIC SYSTEM IS FOUND, IT SHALL BE DESTROYED / REMOVED IN ACCORDANCE WITH COUNTY HEALTH DEPARTMENT SPECIFICATIONS.
 - THE SEPTIC TANK SHALL BE PUMPED EMPTY (BOTH COMPARTMENTS) BY A PERMITTED SEPTIC PUMPER.
 - SEPTIC TANK DESTRUCTION/REMOVAL SHALL BE INSPECTED BY THE COUNTY HEALTH DEPARTMENT. BACKFILL OF TANK AREA SHALL BE DONE WITH ENGINEERED FILL.
- IN THE EVENT AN EXISTING WELL IS FOUND, IT SHALL BE REMOVED IN ACCORDANCE WITH COUNTY HEALTH DEPARTMENT SPECIFICATIONS.
 - DESTRUCTION OF THE WELL SHALL BE PERFORMED BY A LICENSED WELL DRILLER HOLDING A CURRENT C-57 LICENSE.
 - THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO THE DESTRUCTION OF EXISTING WELLS AND SEPTIC SYSTEMS.
 - THE WELL DESTRUCTION PROCESS SHALL BE INSPECTED BY THE COUNTY HEALTH DEPARTMENT.

SKW & ASSOCIATES SHALL CHECK ALL DIMENSIONS AT THE JOB AND SHALL BE RESPONSIBLE FOR ALL DISCREPANCIES BETWEEN DIMENSIONS OF THE ACTUAL WORK AND THOSE SHOWN ON THE DOCUMENTS. DIMENSIONS SHALL BE CHECKED BY PERSONNEL DESIGNATED BY SKW & ASSOCIATES. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ALL QUANTITIES OF MATERIAL OR EQUIPMENT CALLED FOR TO PROPERLY COMPLETE THE WORK.

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david j starck
 architect
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 civil engineer
 no. 61758



PROJECT TITLE :
 SYLVAN UNION SCHOOL DISTRICT :
 STANDFORD ELEMENTARY SCHOOL
 PAVEMENT REPLACEMENT PROJECT &
 SITE IMPROVEMENTS
 605 TOKAY AVE.
 MODESTO, CA. 95850

CIVIL SPECIFICATIONS

REVISIONS :

BY : RH / JG
 LIST : SYLVAN
 DATE : 02-21-2021
 JOB : 21MO95

SHEET : C2.0

EXISTING:

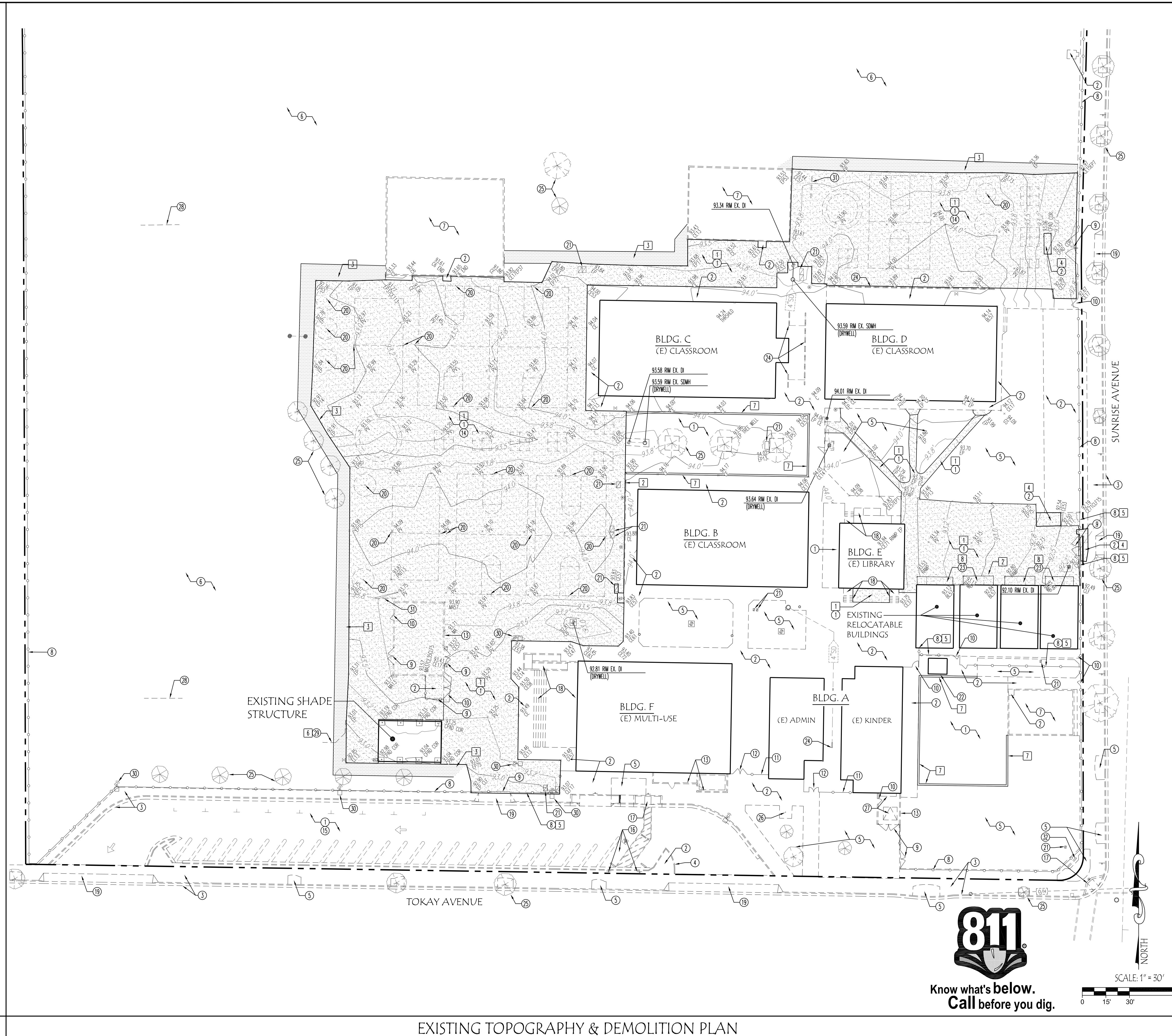
- 1 AC PAVING
- 2 CONCRETE FLATWORK
- 3 CONCRETE CURB, GUTTER & WALK
- 4 CONCRETE CURB
- 5 LANDSCAPING
- 6 TURF PLAY FIELD
- 7 PLAYGROUND & PLAY AREA WITH CONCRETE PERIMETER CURB
- 8 CHAIN LINK FENCE
- 9 CHAIN LINK ACCESS GATE (VEHICLE)
- 10 3' CHAIN LINK GATE
- 11 WROUGHT IRON FENCE
- 12 WROUGHT IRON GATE
- 13 CMU ENCLOSURE
- 14 PLAY AREA STRIPING
- 15 PARKING STALL STRIPING
- 16 ACCESSIBLE STALL STRIPING & SIGNAGE
- 17 CONCRETE CURB RAMP
- 18 CONCRETE RAMP, STEPS & ELEVATED PLATFORM/LANDING
- 19 CONCRETE DRIVEWAY
- 20 BASKETBALL/TEENHALL POST
- 21 UTILITY BOX
- 22 WOOD SHED
- 23 PORTABLE RAMP WITH RAILING
- 24 TRENCH DRAIN
- 25 TREE (TYP)
- 26 FLAGPOLE
- 27 TRANSFORMER & MAIN SWITCHGEAR
- 28 SOCCER GOAL & POSTS
- 29 CHAIN LINK BASEBALL BACKSTOP
- 30 LIGHT POLE WITH 24" CONCRETE BASE
- 31 WOOD BALL WALL & POSTS
- 32 MONUMENT SIGN

DEMOLITION:

- 1 DEMO/REMOVE A.C. PAVEMENT, BASE, & SUBGRADE FOR NEW SECTION & CEMENT TREATMENT AS RECOMMENDED BY GEOTECH REPORT. - ALL EX. UTILITY BOXES, DRAIN INLETS, CLEANOUTS, MANHOLES, BASKETBALL POST, & VOLLEYBALL/TEENHALL POSTS SHALL REMAIN. - CONTRACTOR SHALL ASSUME EXISTING AC IS 4" THICK
- 2 SAWCUT CONCRETE/PAVEMENT (NO OVERCUTS)
- 3 REMOVE 8"-0" WIDE SECTION OF TURF FOR RE-GRADING. WIDTH SHALL BE FROM NEW MONSTRIP LOCATION. EXISTING IRRIGATION SHALL BE ADJUSTED TO NEW GRADES.
- 4 DEMO/REMOVE (E) CONC. FLATWORK.
- 5 ROLL BACK / REMOVE (E) CHAIN LINK FENCE FABRIC FOR NEW CONCRETE FLATWORK (SEE GRADING PLAN) & RESTRETCH & REINSTALL. EXISTING POSTS & RAILS TO REMAIN. PROVIDE NEW TIES AT 16' O.C. AT ALL POSTS & RAILS. NOTE IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE TEMP. FENCING TO KEEP THE SITE SECURE WHEN FENCE FABRIC IS REMOVED.
- 6 REMOVE (E) CHAIN LINK FENCE FABRIC FOR NEW GRADING WORK (SEE GRADING PLAN) & RESTRETCH & REINSTALL. EXISTING POSTS & RAILS TO REMAIN. PROVIDE NEW TIES AT 16' O.C. AT ALL POSTS & RAILS.
- 7 SAWCUT & REMOVE 12" WIDE OF (E) AC PAVEMENT AT PERIMETER. SEE GRADING PLAN FOR NEW WORK.
- 8 REMOVE (E) PORTABLE RAMP WITH METAL DECK & HANDRAIL. RETAIN TO REINSTALL.

NOTES:

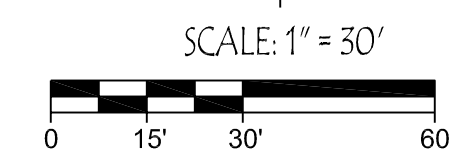
- 1) SEE SHEET C1.0 FOR SYMBOLS LEGEND AND LIST OF ABBREVIATIONS.
- 2) SEE SHEET C2.0 FOR STANDARD CONSTRUCTION NOTES.
- 3) SEE SHEET C7.0 FOR EROSION AND SEDIMENT CONTROL MEASURES.
- 4) ALL SITE DEMOLITION SHALL BE IN COMPLIANCE WITH RECOMMENDATIONS OF THE GEOTECH REPORT BY WALLACE-KUHL & ASSOCIATES, REPORT NUMBER 13163.01P, DATED JULY 6, 2021.



KEY NOTES

EXISTING TOPOGRAPHY & DEMOLITION PLAN

811
Know what's below.
Call before you dig.



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PROJECT TITLE:
SYLVAN UNION SCHOOL DISTRICT:
STANDFORD ELEMENTARY SCHOOL
PAVEMENT REPLACEMENT PROJECT &
SITE IMPROVEMENTS
605 TOKAY AVE.
MODESTO, CA. 95350

EXISTING TOPOGRAPHY &
DEMOLITION PLANS

REVISIONS:

BY : RH / JG
LIST : SYLVAN
DATE : 02-21-2021
JOB : 21M095

SHEET : C3.0

NOTE: THE CONTRACTOR SHALL CHECK ALL DIMENSIONS AT THE JOB AND SHALL BE RESPONSIBLE FOR ALL DISCREPANCIES BETWEEN DIMENSIONS OF THE ACTUAL WORK AND THOSE SHOWN ON THE DOCUMENTS. THE CONTRACTOR SHALL ALSO BE SOLELY RESPONSIBLE FOR ALL QUANTITIES OF MATERIAL OR EQUIPMENT CALLED FOR TO PROPERLY COMPLETE THE WORK.

- EXISTING:**
- 1 AC PAVING
 - 2 CONCRETE FLATWORK
 - 3 CONCRETE CURB, GUTTER & WALK
 - 4 CONCRETE CURB
 - 5 LANDSCAPING
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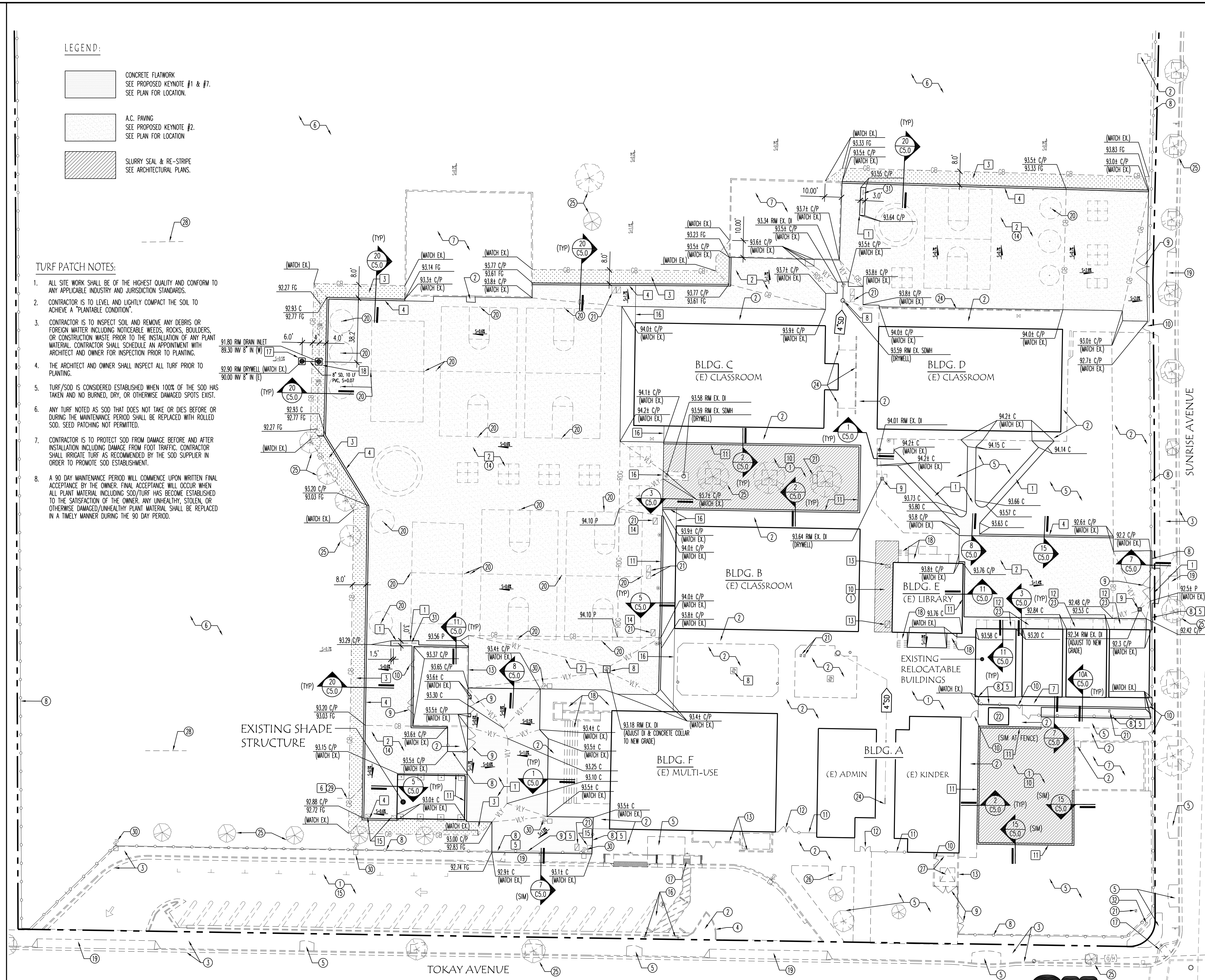
- PROPOSED:**
- 1 NEW 6" CONCRETE SLAB WITH #4 AT 24" O.C. EACH WAY, CENTERED IN SLAB OVER 12" CEMENT TREATED SUB BASE, COMPACTED TO 95% O.V. NATIVE. SUB BASE SHALL BE CEMENT TREATED AS RECOMMENDED BY SOIL'S REPORT.
 - ALL EX. UTILITY BOXES, DRAIN INLETS, CLEANOUTS, MANHOLES SHALL BE ADJUSTED TO GRADES SHOWN.
 - 2 NEW AC PAVING. SEE TABLE FOR SECTION. RESTRIPE TO MATCH EXISTING AS SHOWN.
 - 3 INSTALL NEW TURF (SOD) AT 8'-0" WIDE RE-GRADED SECTION (SHOWN HATCHED). CONTRACTOR SHALL PREP BED SECTION OF TURF FOR RE-GRADING PER NOTES. CONTRACTOR SHALL RELOCATE ANY EXISTING IRRIGATION HEADS ALONG EDGE TO ALIGN WITH NEW PAVEMENT EDGE / ELEVATION. ADJUST HEADS & NOZZLES TO ACHIEVE 100% COVERAGE. REPAIR ANY DAMAGE TO (E) IRRIGATION LATERALS. SEE TURF PATCH NOTES FOR ADDITIONAL REQUIREMENTS.
 - 4 NEW 12" WIDE CONCRETE MONSTRIP. SEE DETAIL 20/C5.0 (TYP)
 - 5 ROLL BACK / REMOVE (E) CHAIN LINK FENCE FABRIC FOR NEW CONCRETE FLATWORK (SEE GRADING PLAN) & RESTRETCH & REINSTALL. EXISTING POSTS & RAILS TO REMAIN. PROVIDE NEW TIES AT 16" O.C. AT ALL POSTS & RAILS. NOTE IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE TEMP. FENCING TO KEEP THE SITE SECURE WHEN FENCE FABRIC IS REMOVED.
 - 6 REMOVE (E) CHAIN LINK FENCE FABRIC FOR NEW GRADING WORK & RESTRETCH & REINSTALL. EXISTING POSTS & RAILS TO REMAIN. PROVIDE NEW TIES AT 16" O.C. AT ALL POSTS & RAILS.
 - 7 NEW 4" CONCRETE SLAB WITH #3 AT 18" O.C. EACH WAY, CENTERED IN SLAB OVER COMPACTED NATIVE (95%). CONTRACTOR IS TO TAKE SPECIAL CARE TO PRESERVE & PROTECT FROM DAMAGE (E) UTILITIES / CONDUIT IN THIS AREA.
 - ADJUST ALL EX. UTILITY BOXES SHALL BE ADJUSTED TO NEW GRADE.
 - 8 CLEAN OUT AND RECONDITION (E) DRYWELL PER CITY OF MODESTO STANDARD.
 - 9 CLEAN OUT A (E) CATCH BASIN. REPLACE GRATE WITH NEW CAST IRON GRATE
 - 10 PROVIDE NEW SEAL COAT AND RE-STRIPES TO MATCH EXISTING STRIPING.
 - 11 NEW 12" WIDE CONCRETE MONSTRIP.
 - 12 REINSTALL (E) PORTABLE RAMPS. PROVIDE NEW P.T. 2X SLEEPERS AND ADJUST RAMPS AT ADJUSTMENT POINT TO PROVIDE SMOOTH TRANSITION INTO CLASSROOM AT (E) DOOR & SMOOTH TRANSITION AT RAMP BASE.
 - 13 REPLACE (E) UTILITY BOX & PROVIDE CONCRETE CHRISTY BOX LID. USE CHRISTY B40 BOX WITH CONCRETE READER LID, ONE STAMPED "GAS" AND ONE STAMPED "WATER"
 - 14 REMOVE (E) 24" x 60" UTILITY BOX & PROVIDE NEW CONCRETE UTILITY BOX. USE CHRISTY H52 BOX WITH STEEL CHECKER PLATE LID. SET TO NEW GRADE.
 - 15 REMOVE (E) PLASTIC IRRIGATION VALVE BOX. REPLACE WITH CHRISTY B09 BOX WITH CONCRETE LID STAMPED "IRRIGATION" PROVIDE BOLT DOWN KIT. FILL BOX WITH 3" OF PEA GRAVEL. PRESERVE (E) WIRING. SET TO NEW GRADE.
 - 16 PAINT 6" WIDE YELLOW LINE.
 - 17 NEW DRYWELL WITH 4'-0" SQ. CONC. APRON. SEE DETAIL 19/C5.0
 - 18 NEW DRAIN INLET W/ 4'-0" SQ. CONC. APRON. SEE DETAIL 17/C5.0

- NOTES:**
- 1) SEE SHEET C1.0 FOR SYMBOLS LEGEND AND LIST OF ABBREVIATIONS.
 - 2) SEE SHEET C2.0 FOR STANDARD CONSTRUCTION NOTES.
 - 3) SEE SHEET C3.0 FOR LIMITS OF DEMOLITION.
 - 4) SEE SHEET C6.0 FOR EROSION AND SEDIMENT CONTROL MEASURES.
 - 5) SUB-GRADE SHALL BE CEMENT TREATED AND COMPACTED PER SOIL'S REPORT.
 - 6) INSTALL CONTINUOUS 1/2" FELT, EXPANSION JOINT WHERE NEW FLATWORK ADJUS. EXISTING FLATWORK
 - 7) CRACK CONTROL JOINTS (CCJ) - SEE DETAIL 10/C5.0. FLATWORK: EVERY 6'-FT. WITH A MAXIMUM CONTROLLED AREA OF 30 SQ.-FT. CONCRETE PAVEMENT: EVERY 14'-FT. WITH A MAXIMUM CONTROLLED AREA OF 200 SQ.-FT.
 - 8) ADJUST ALL VALVE / UTILITY BOXES TO GRADE.
 - 9) GEOTECH REPORT BY: WALLACE-KUHL & ASSOCIATES, REPORT NUMBER 13163.01P, DATED JULY 6, 2021
 - 10) ALL VALUES SHOWN ARE MINIMUMS.
 - 11) PROVIDE SMOOTH TRANSITIONS AT ALL PAVEMENT TO CONCRETE JOINTS.
 - 12) PREP & REPAINT ALL BASKETBALL, TETHERBALL, & VOLLEYBALL POLES SAFETY YELLOW.

- LEGEND:**
- CONCRETE FLATWORK
SEE PROPOSED KEYNOTE #1 & #7.
SEE PLAN FOR LOCATION.
 - A.C. PAVING
SEE PROPOSED KEYNOTE #2.
SEE PLAN FOR LOCATION.
 - SLURRY SEAL & RE-STRIPES
SEE ARCHITECTURAL PLANS.

- TURF PATCH NOTES:**
1. ALL SITE WORK SHALL BE OF THE HIGHEST QUALITY AND CONFORM TO ANY APPLICABLE INDUSTRY AND JURISDICTION STANDARDS.
 2. CONTRACTOR IS TO LEVEL AND LIGHTLY COMPACT THE SOIL TO ACHIEVE A "PLANTABLE CONDITION".
 3. CONTRACTOR IS TO INSPECT SOIL AND REMOVE ANY DEBRIS OR FOREIGN MATTER INCLUDING NOTICEABLE WEEDS, ROCKS, BOULDERS, OR CONSTRUCTION WASTE PRIOR TO THE INSTALLATION OF ANY PLANT MATERIAL. CONTRACTOR SHALL SCHEDULE AN APPOINTMENT WITH ARCHITECT AND OWNER FOR INSPECTION PRIOR TO PLANTING.
 4. THE ARCHITECT AND OWNER SHALL INSPECT ALL TURF PRIOR TO PLANTING.
 5. TURF/SOD IS CONSIDERED ESTABLISHED WHEN 100% OF THE SOD HAS TAKEN AND NO BURNED, DRY, OR OTHERWISE DAMAGED SPOTS EXIST.
 6. ANY TURF NOTED AS SOD THAT DOES NOT TAKE OR DIES BEFORE OR DURING THE MAINTENANCE PERIOD SHALL BE REPLACED WITH ROLLED SOED. SOED PATCHING NOT PERMITTED.
 7. CONTRACTOR IS TO PROTECT SOD FROM DAMAGE BEFORE AND AFTER INSTALLATION INCLUDING DAMAGE FROM FOOT TRAFFIC. CONTRACTOR SHALL IRRIGATE TURF AS RECOMMENDED BY THE SOD SUPPLIER IN ORDER TO PROMOTE SOED ESTABLISHMENT.
 8. A 90 DAY MAINTENANCE PERIOD WILL COMMENCE UPON WRITTEN FINAL ACCEPTANCE BY THE OWNER. FINAL ACCEPTANCE WILL OCCUR WHEN ALL PLANT MATERIAL INCLUDING SOD/TURF HAS BECOME ESTABLISHED TO THE SATISFACTION OF THE OWNER. ANY UNHEALTHY, STOLEN, OR OTHERWISE DAMAGED/UNHEALTHY PLANT MATERIAL SHALL BE REPLACED IN A TIMELY MANNER DURING THE 90 DAY PERIOD.

FLEXIBLE PAVEMENT SECTION TABLE				
PAVEMENT AREA		PAVEMENT SECTION (INCHES)		
DESIGNATION	TRAFFIC	ASPHALT CONCRETE	AGGREGATE BASE	CEMENT TREATED SUBGRADE
(PWT-1)	HARDCOURT/AUTO	2.5	4.0	12



KEY NOTES

GRADING PLAN



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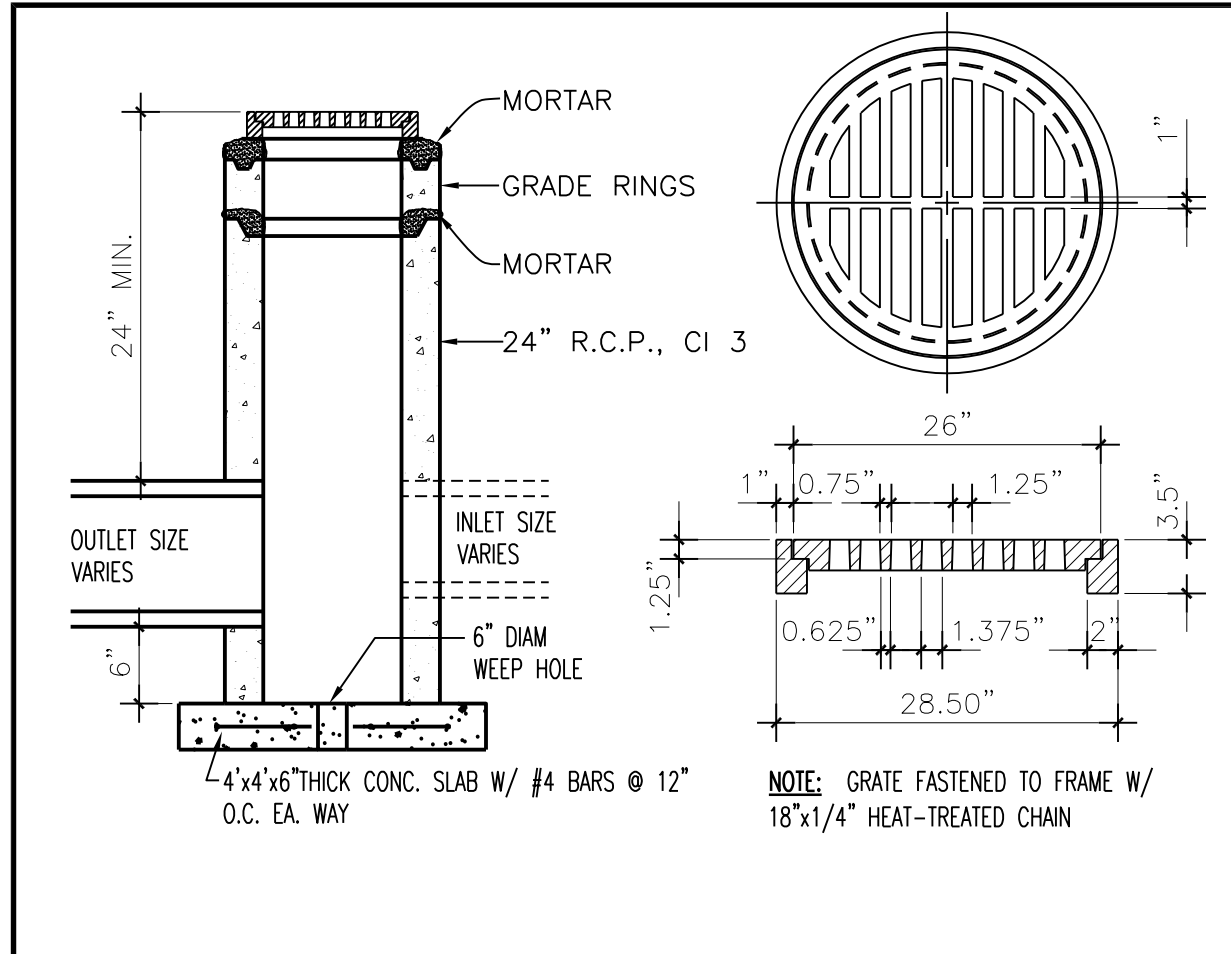


PROJECT TITLE:
 SYLVAN UNION SCHOOL DISTRICT:
 STANDFORD ELEMENTARY SCHOOL
 PAVEMENT REPLACEMENT PROJECT &
 SITE IMPROVEMENTS
 605 TOKAY AVE.
 MODESTO, CA. 95350

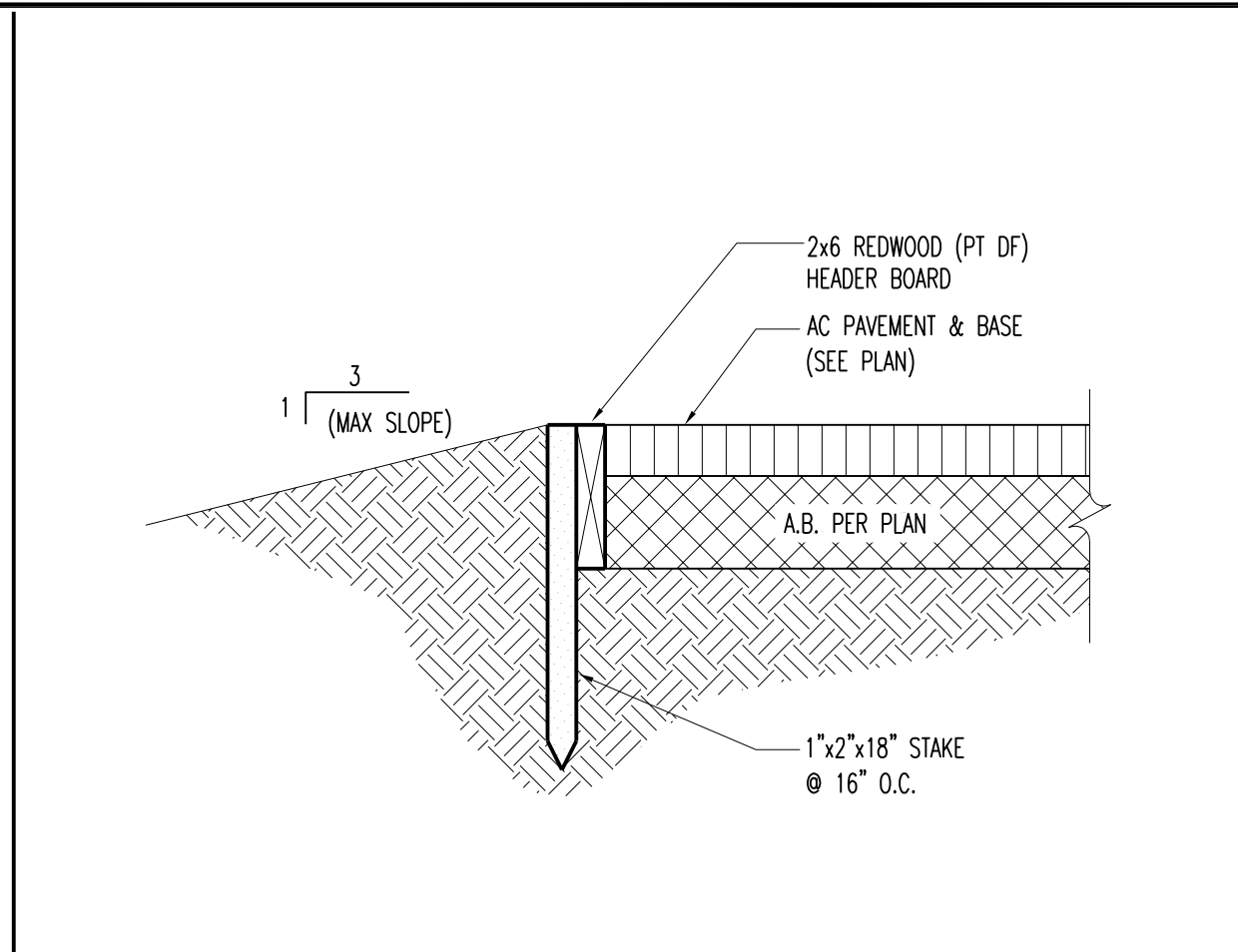
REVISIONS:

BY: RH / JG
 LIST: SYLVAN
 DATE: 02-21-2021
 JOB: 21M095

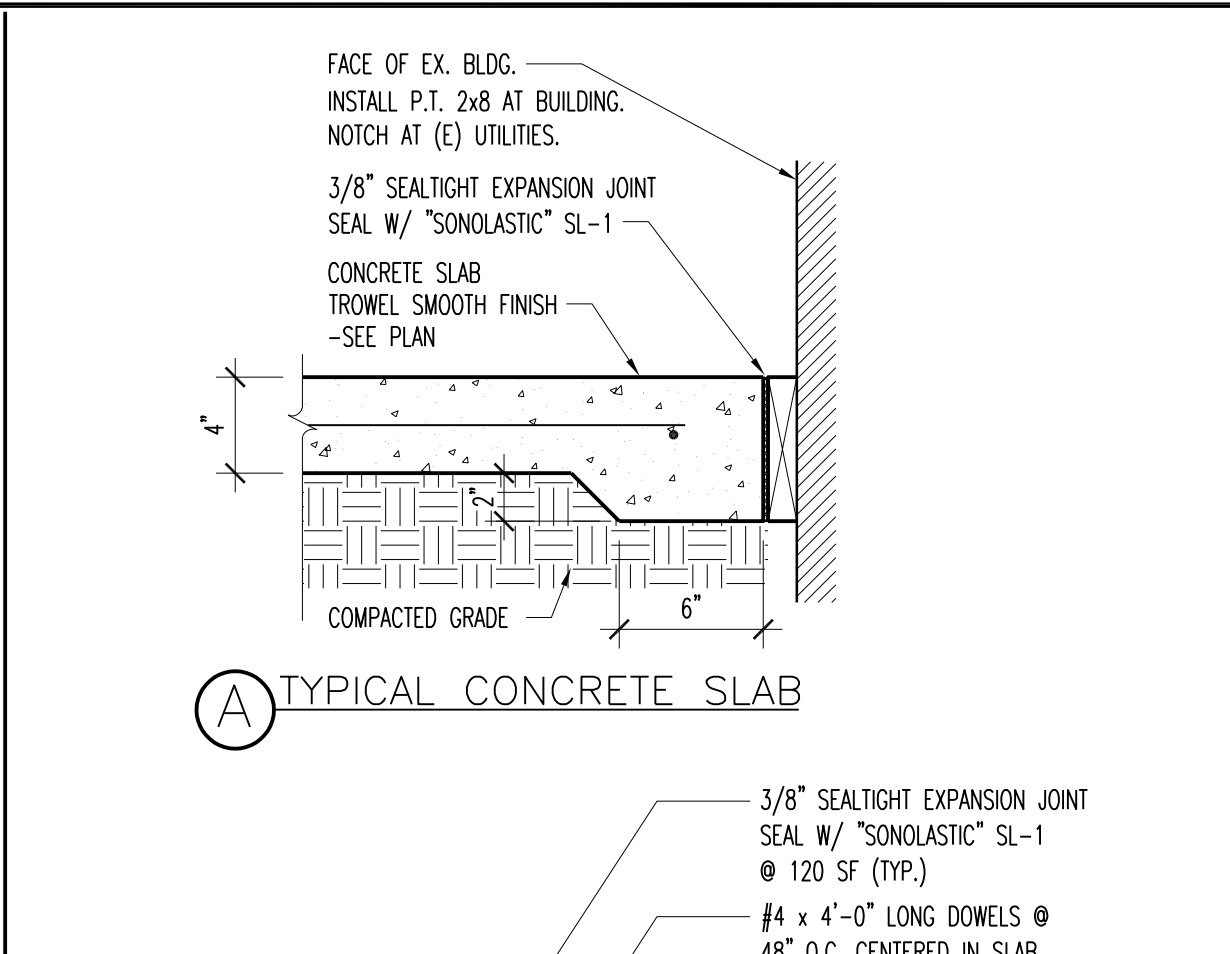
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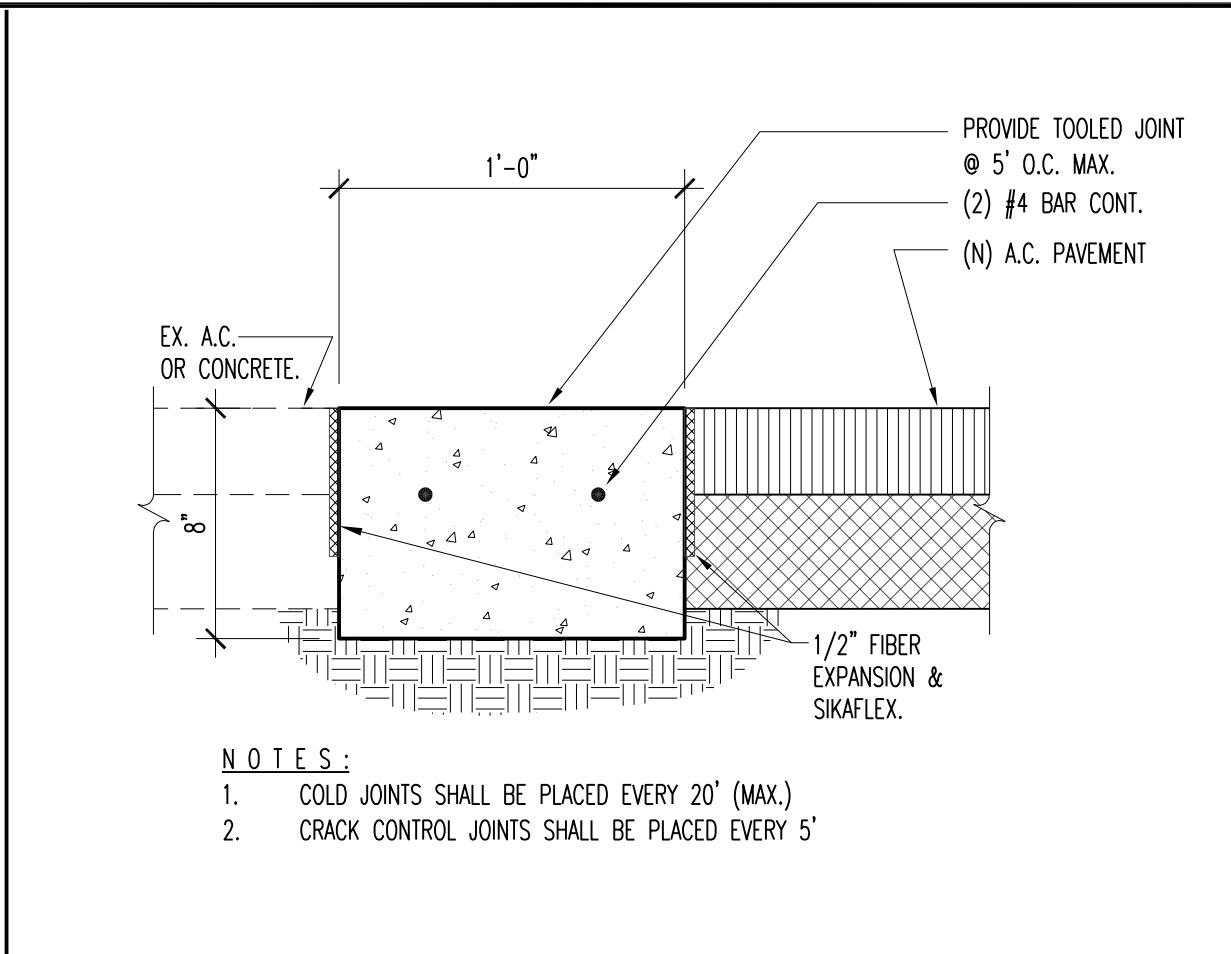
17 DRAIN INLET N.T.S.



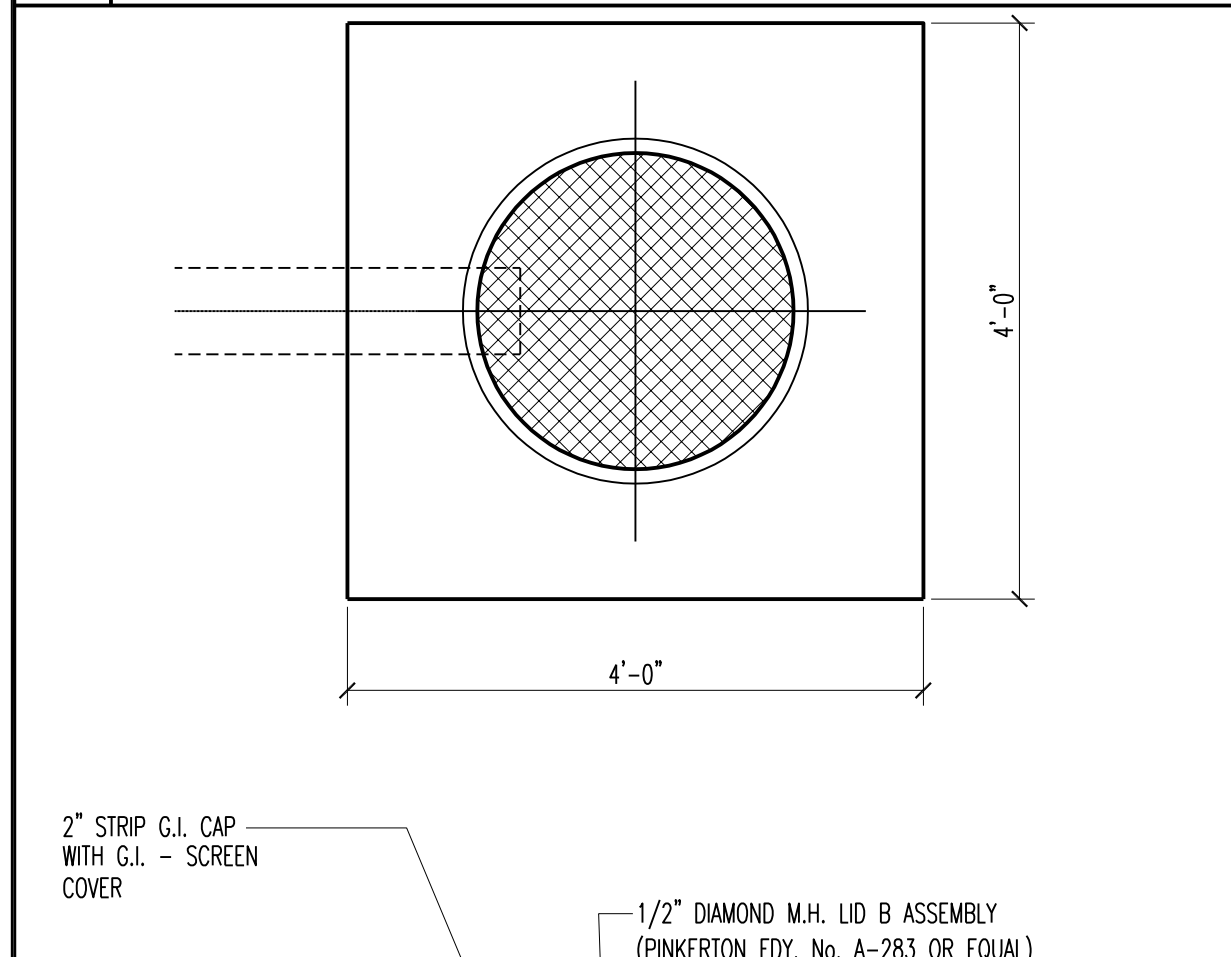
13 HEADER BOARD DET. N.T.S.



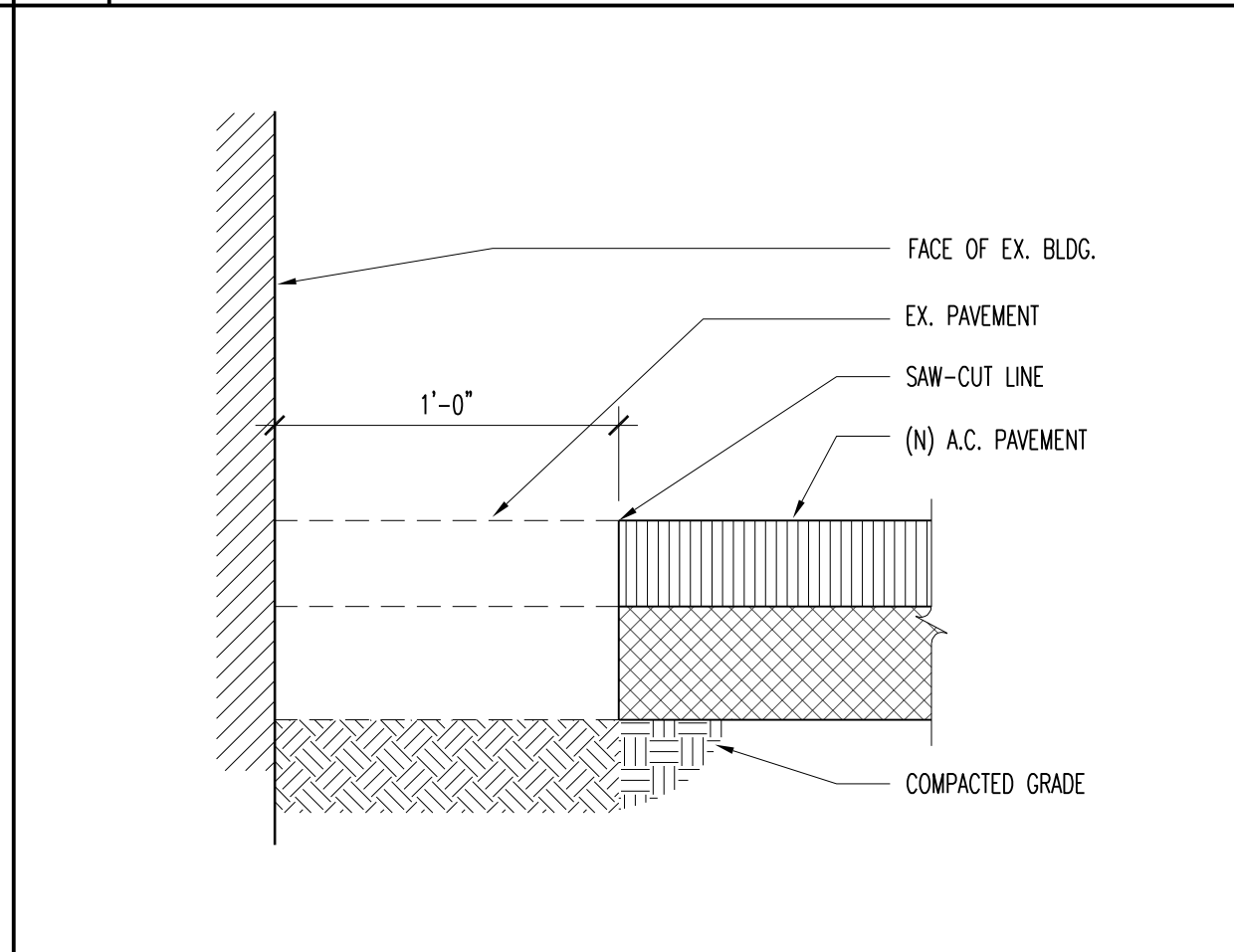
5 CONC. APRON @ PAVEMENT N.T.S.



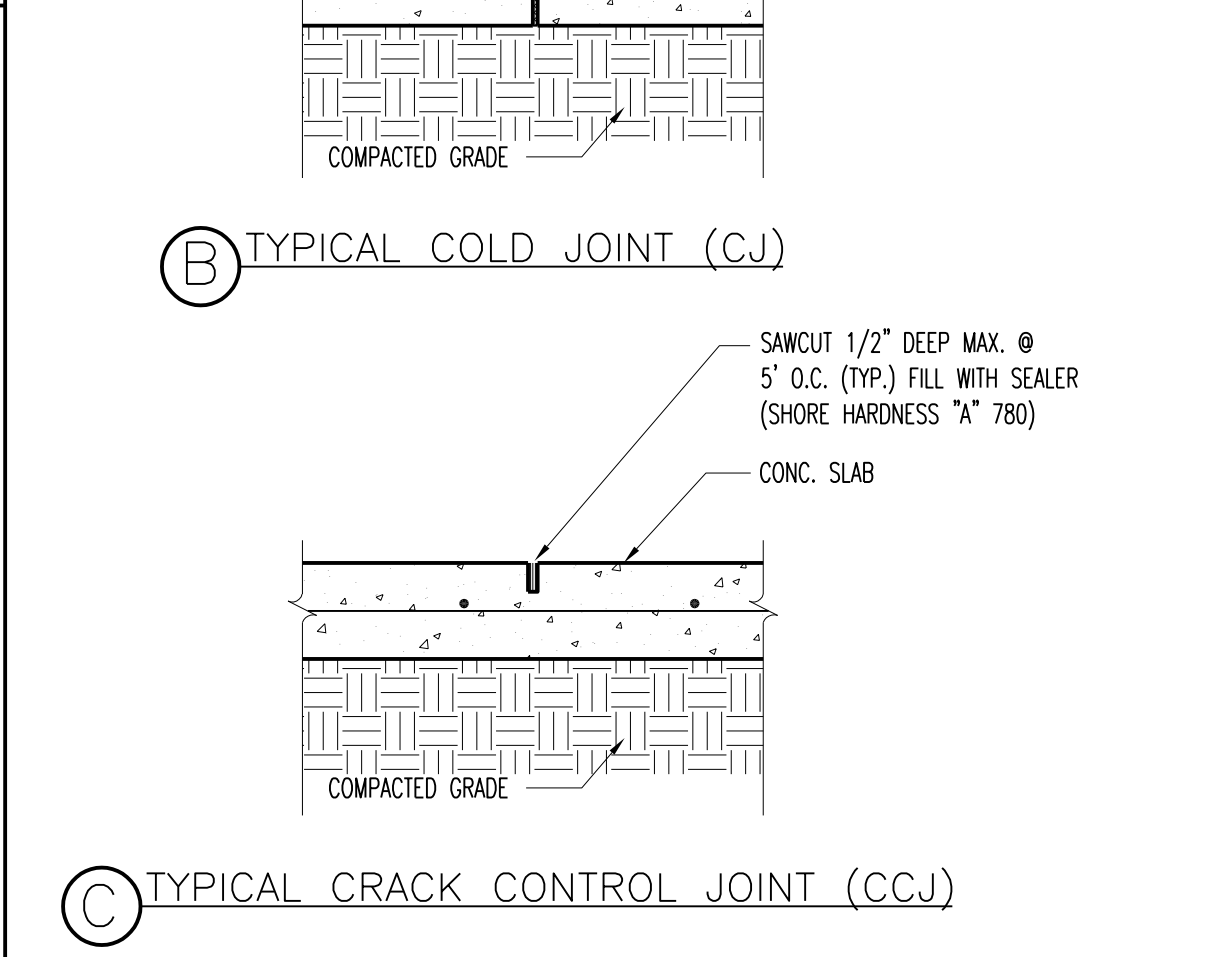
1 TYP CONCRETE - NEW TO EXISTING N.T.S.



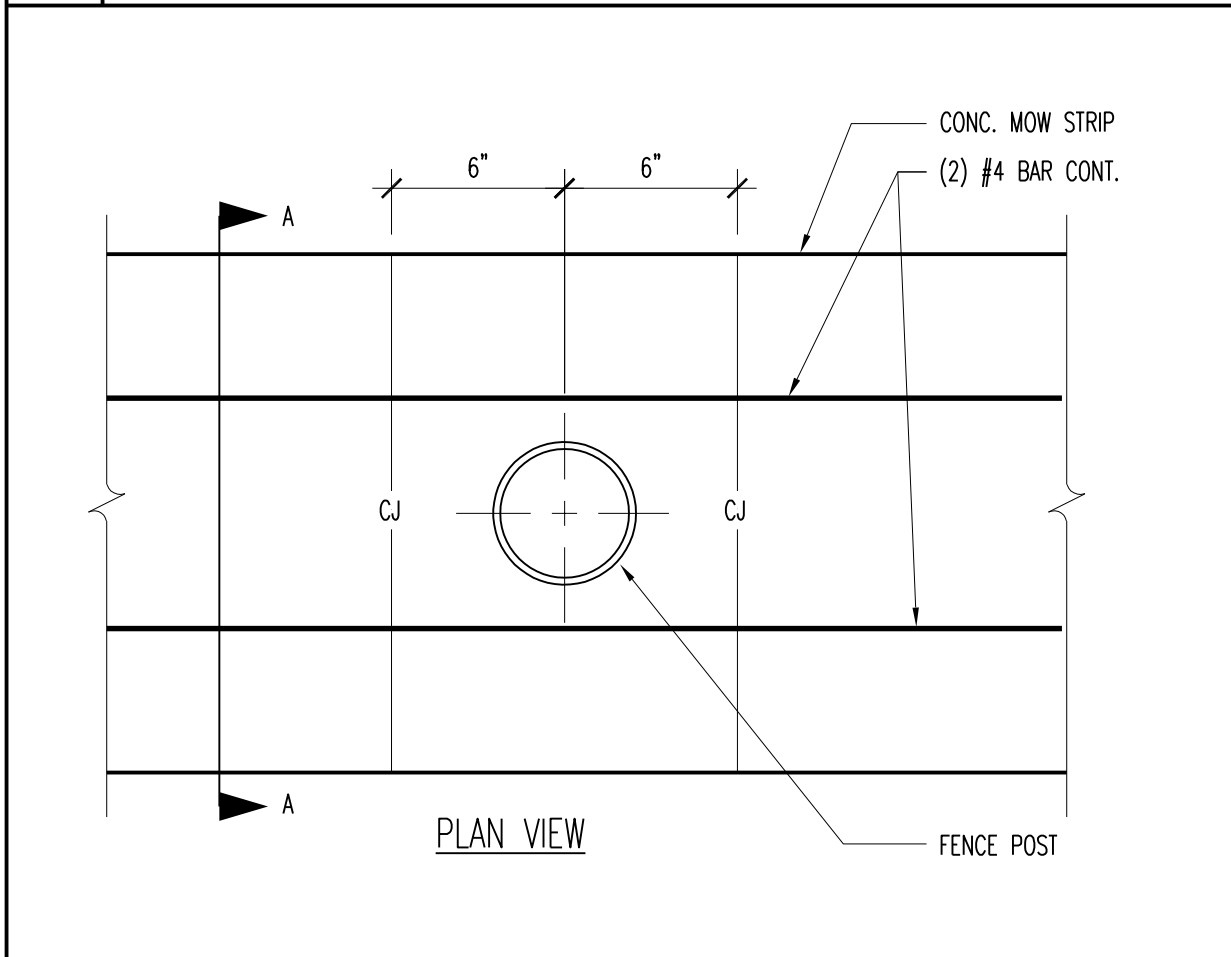
14 PAVEMENT SAW-CUT @ BUILDING N.T.S.



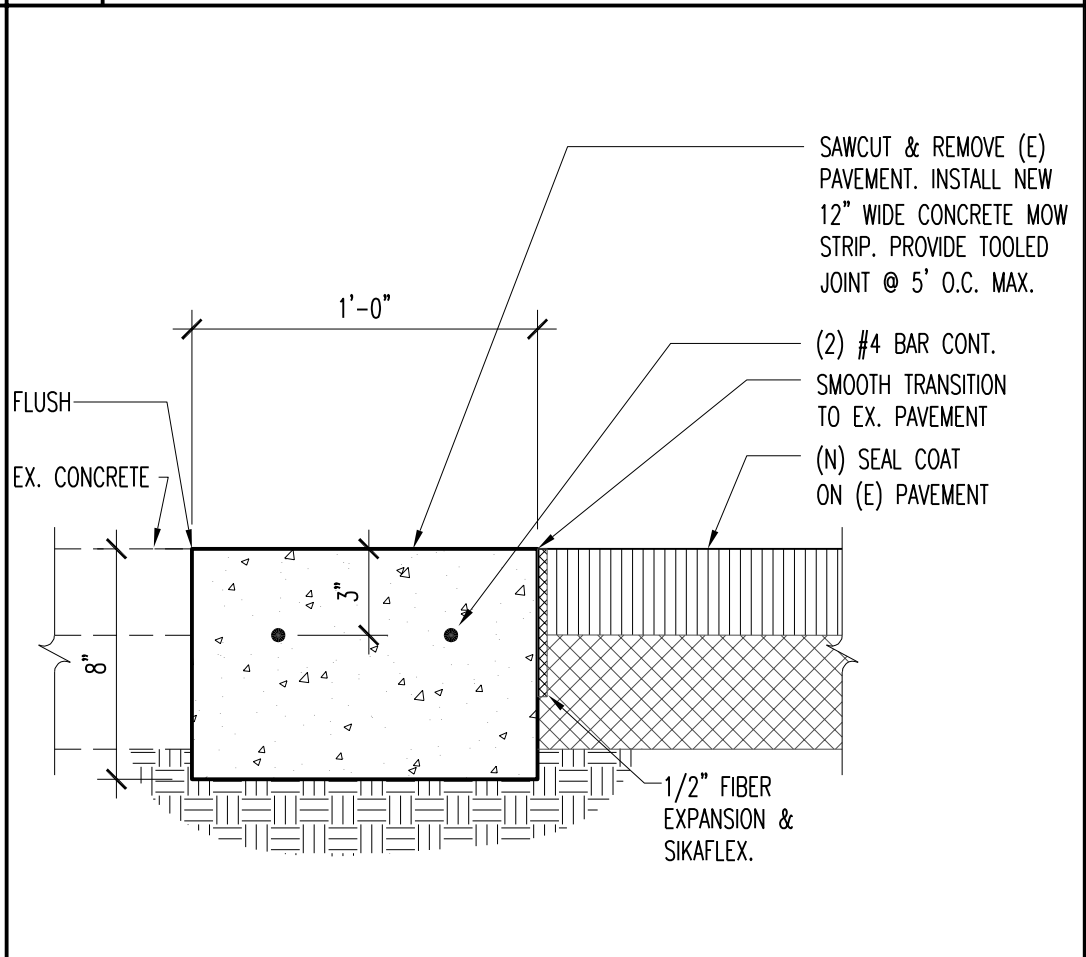
10 TYPICAL CONCRETE JOINTS N.T.S.



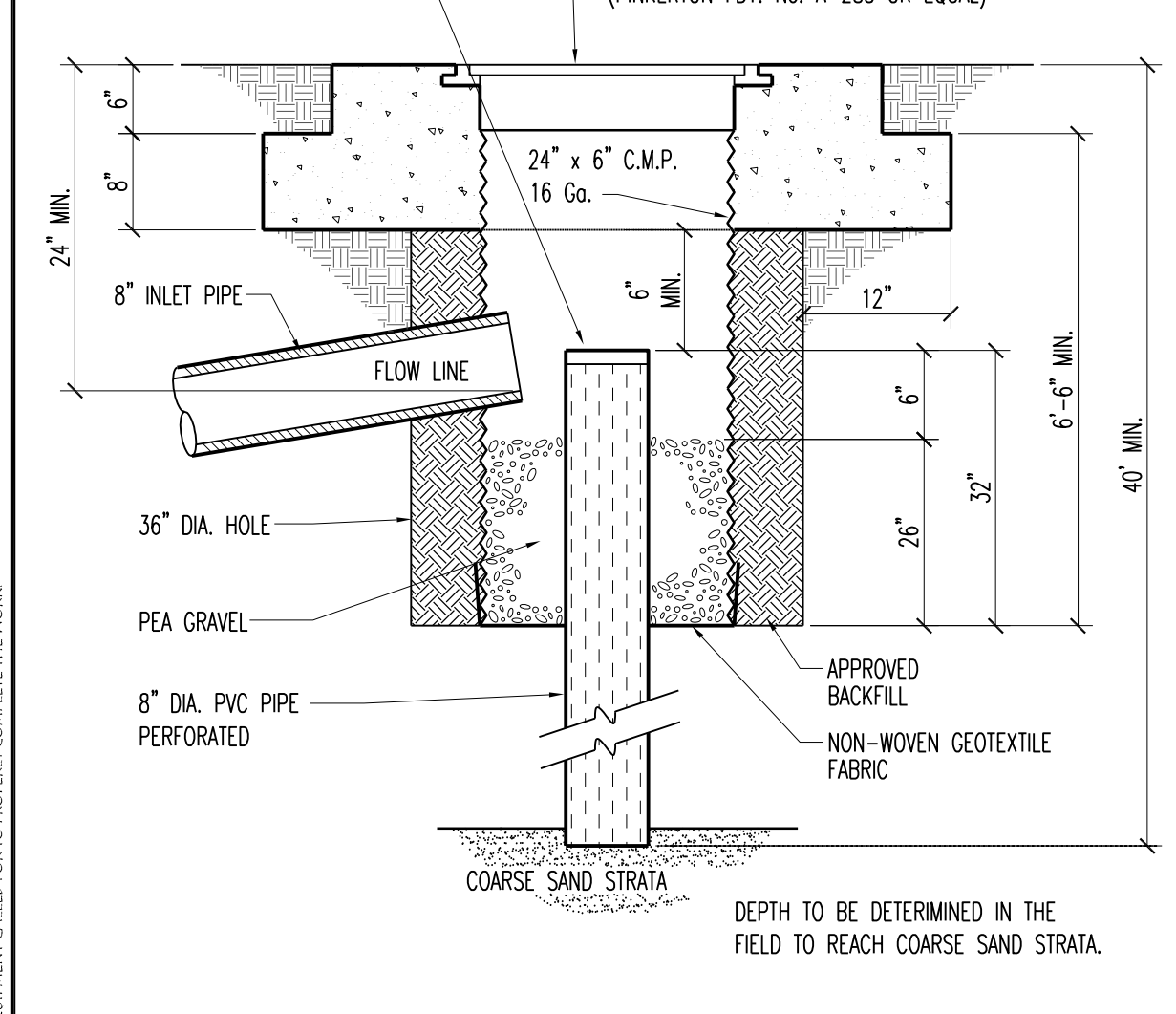
11 CONC. APRON @ BUILDING N.T.S.



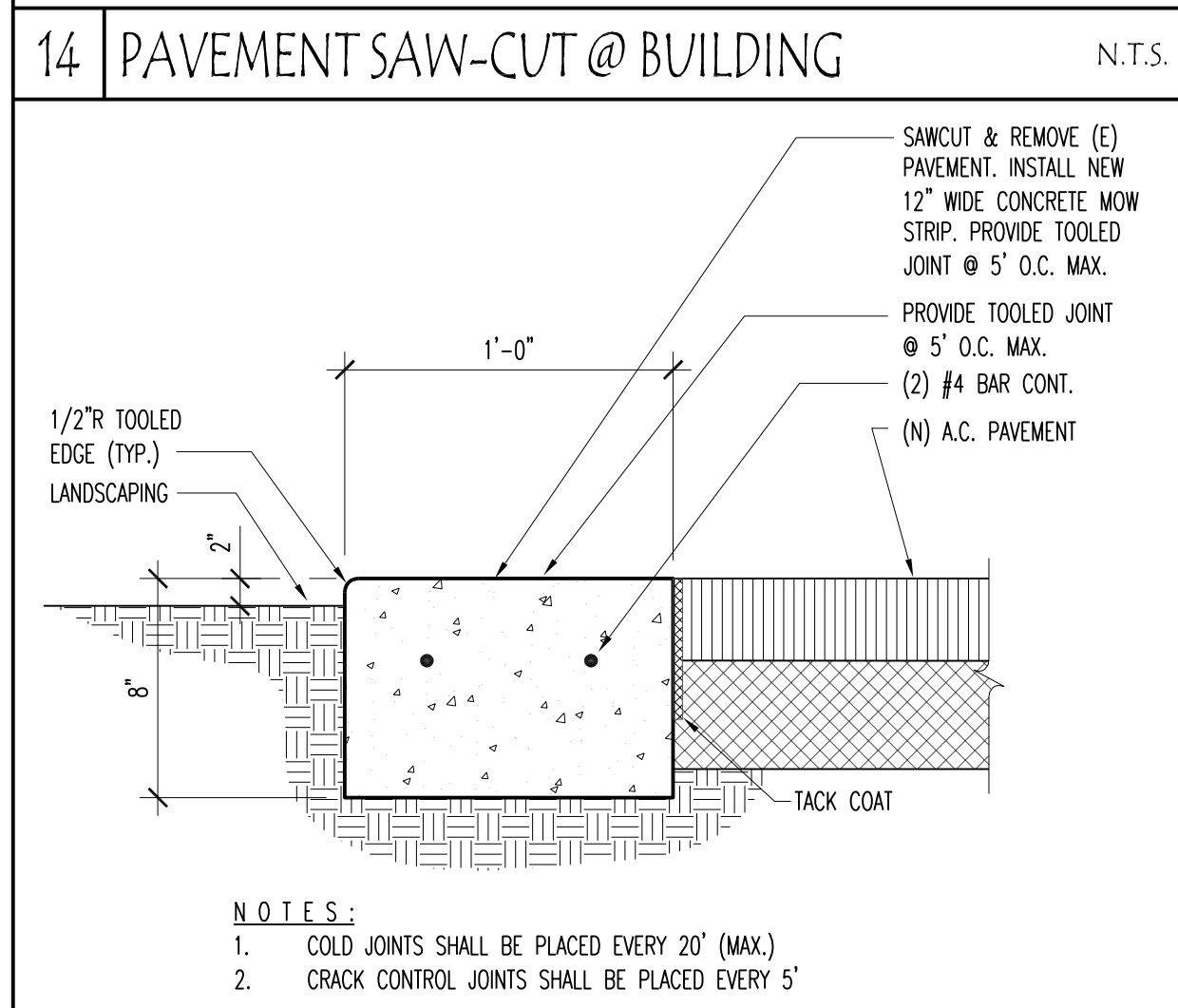
7 CONC. MOW STRIP AT CHAINLINK FENCE N.T.S.



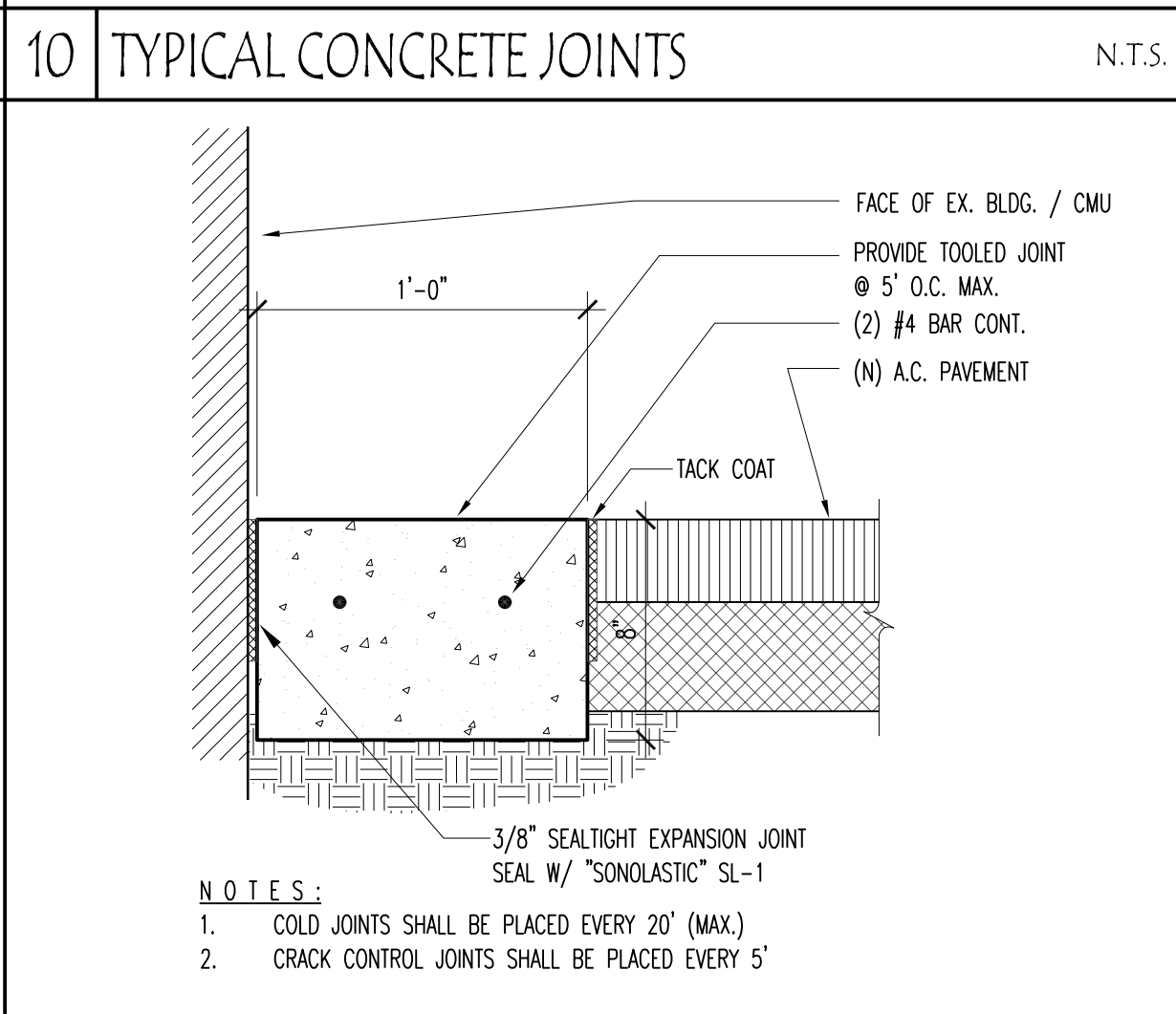
3 PAVEMENT LAP JOINT N.T.S.



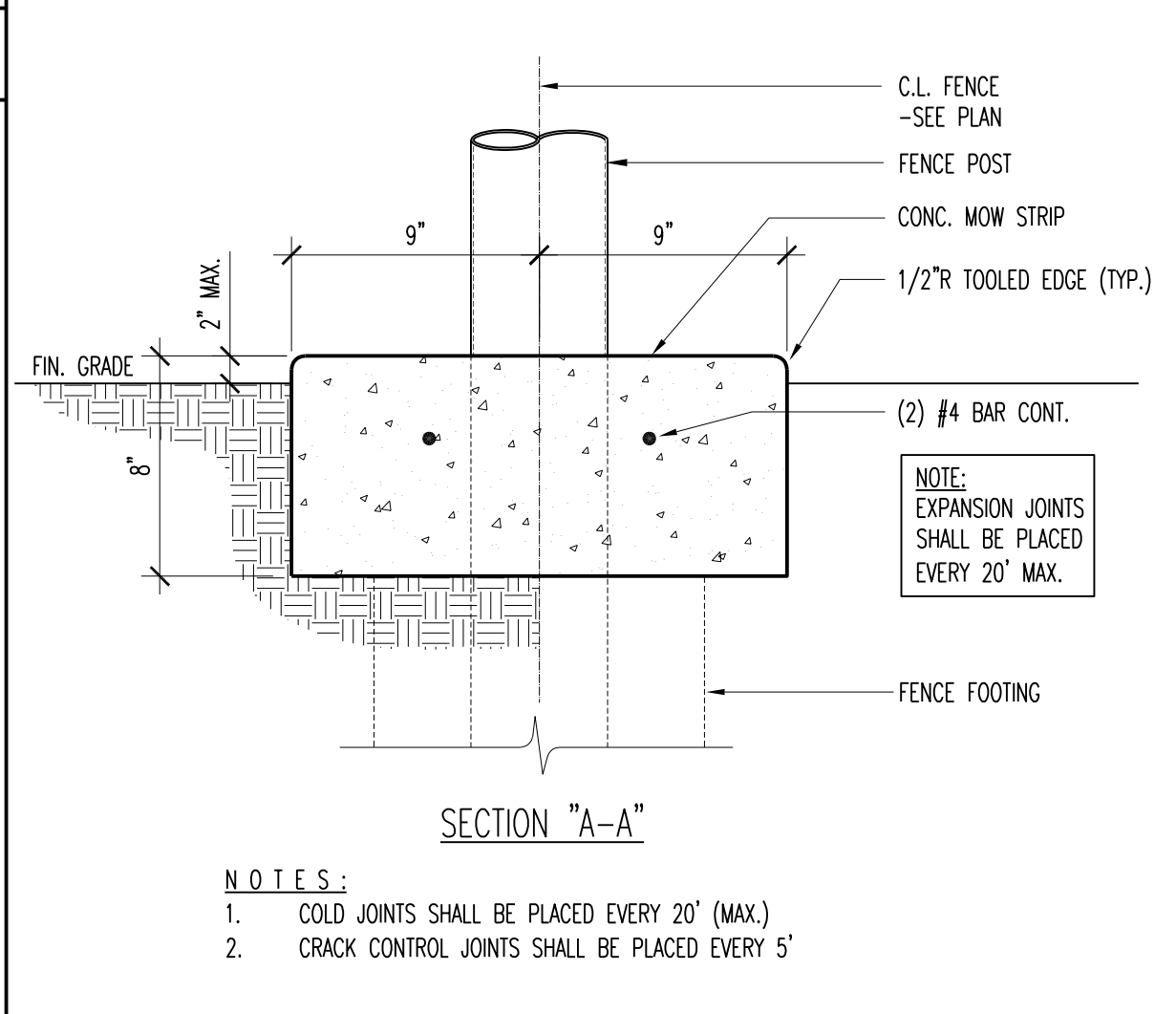
19 DRYWELL N.T.S.



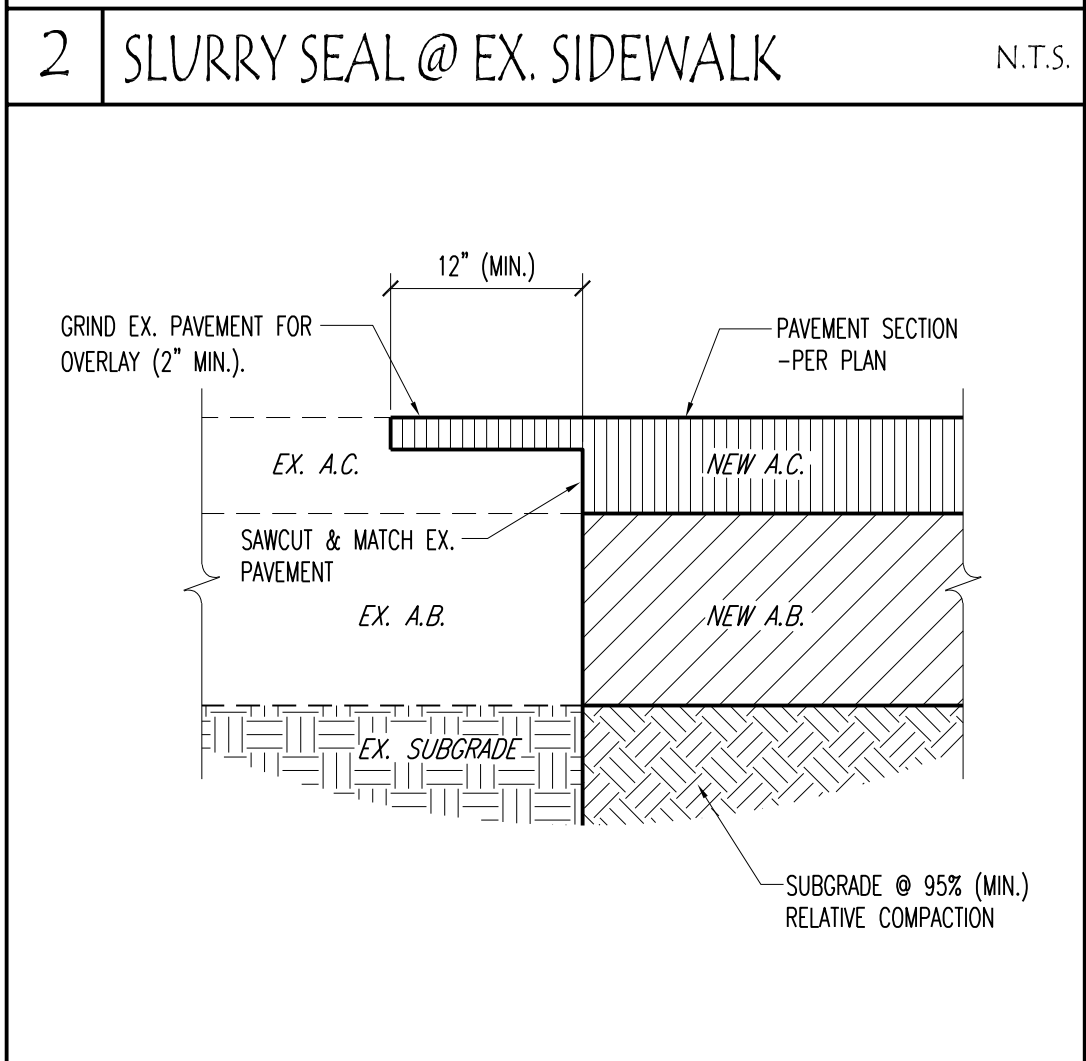
15 CONC. APRON N.T.S.



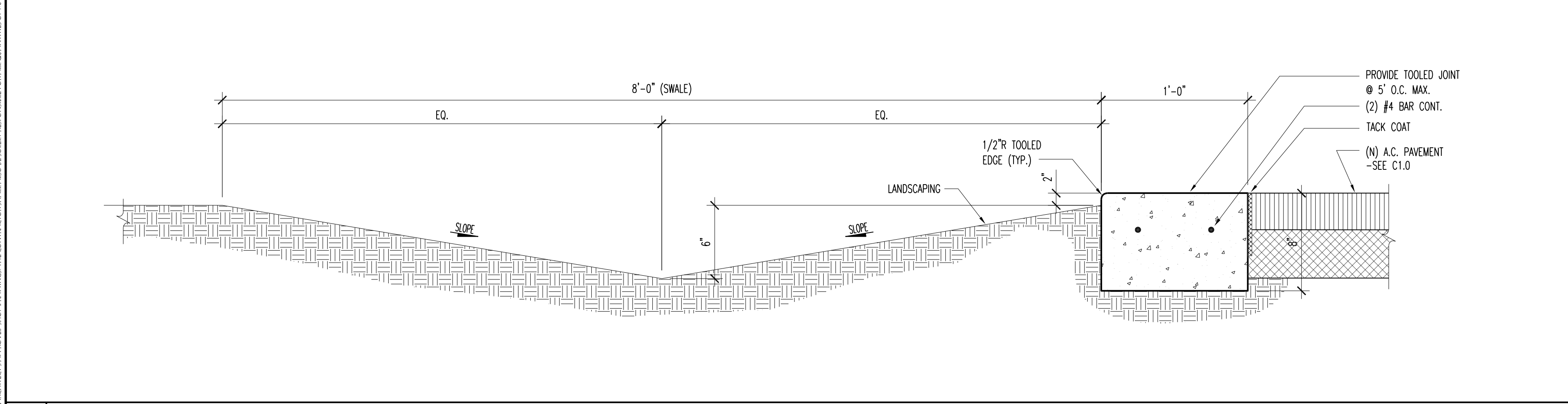
11 CONC. APRON @ BUILDING N.T.S.



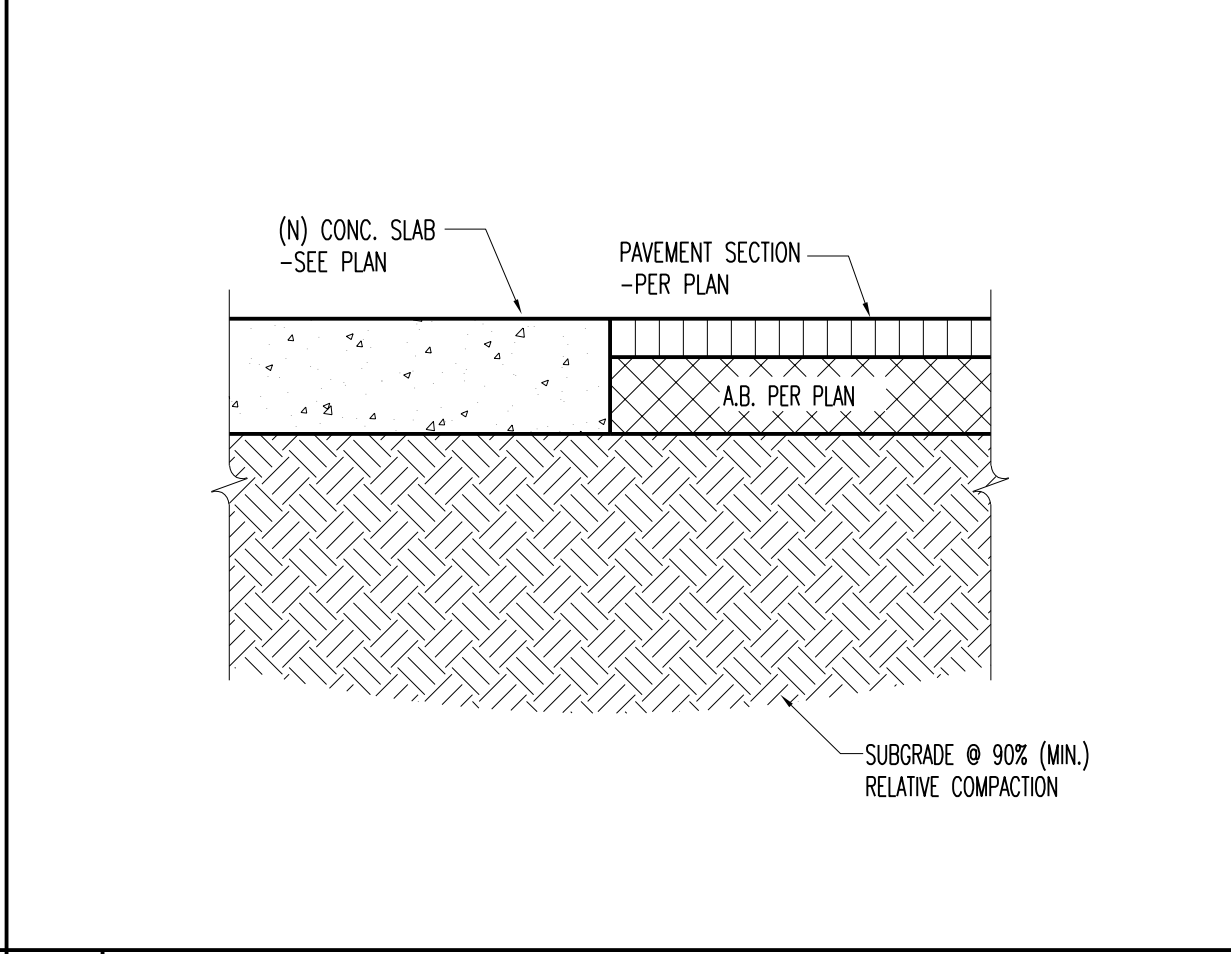
7 CONC. MOW STRIP AT CHAINLINK FENCE N.T.S.



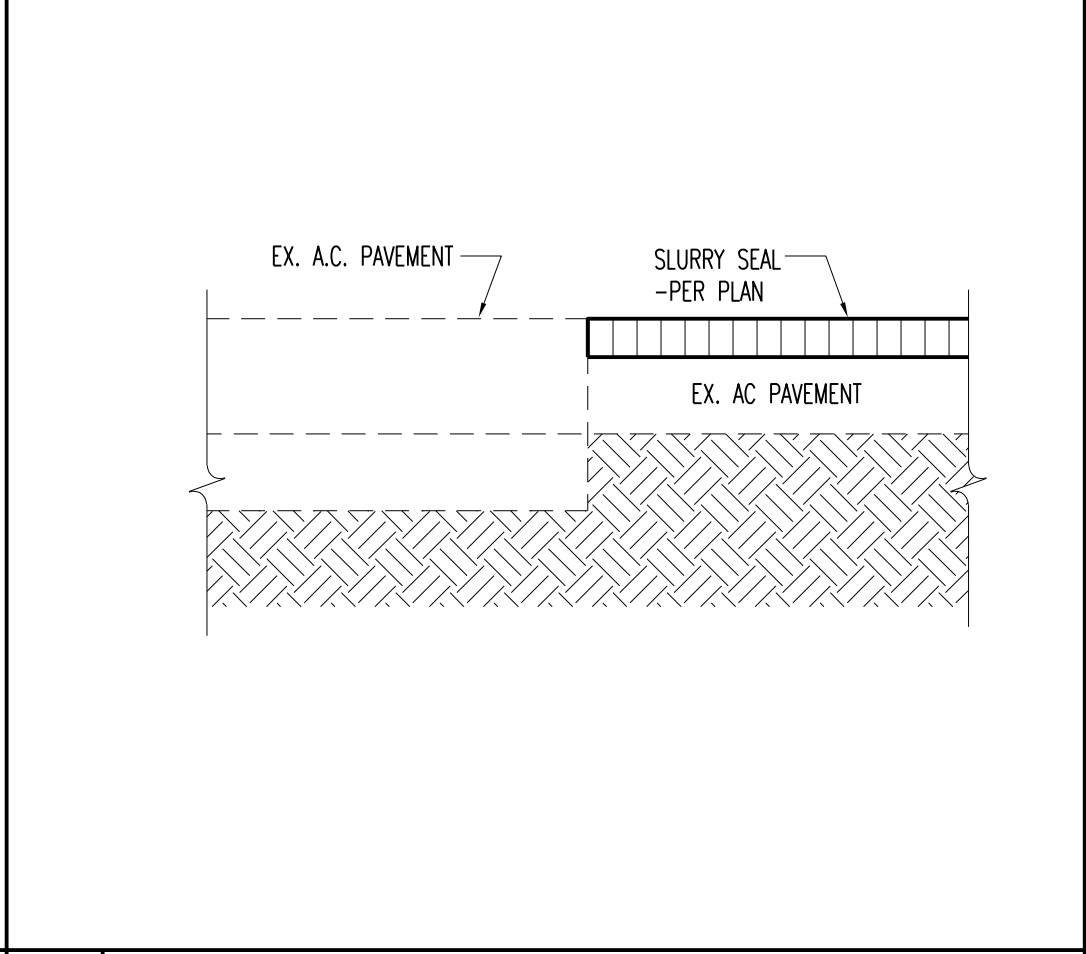
3 PAVEMENT LAP JOINT N.T.S.



20 CONC. APRON @ SWALE N.T.S.



8 PAVEMENT TO (N) CONC. SLAB N.T.S.



4 SLURRY SEAL @ A.C. PAVEMENT N.T.S.

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SECTIONS & DETAILS

REVISIONS:

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 LIST: SYLVAN
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 JOB: 21M095

SHEET: C5.0

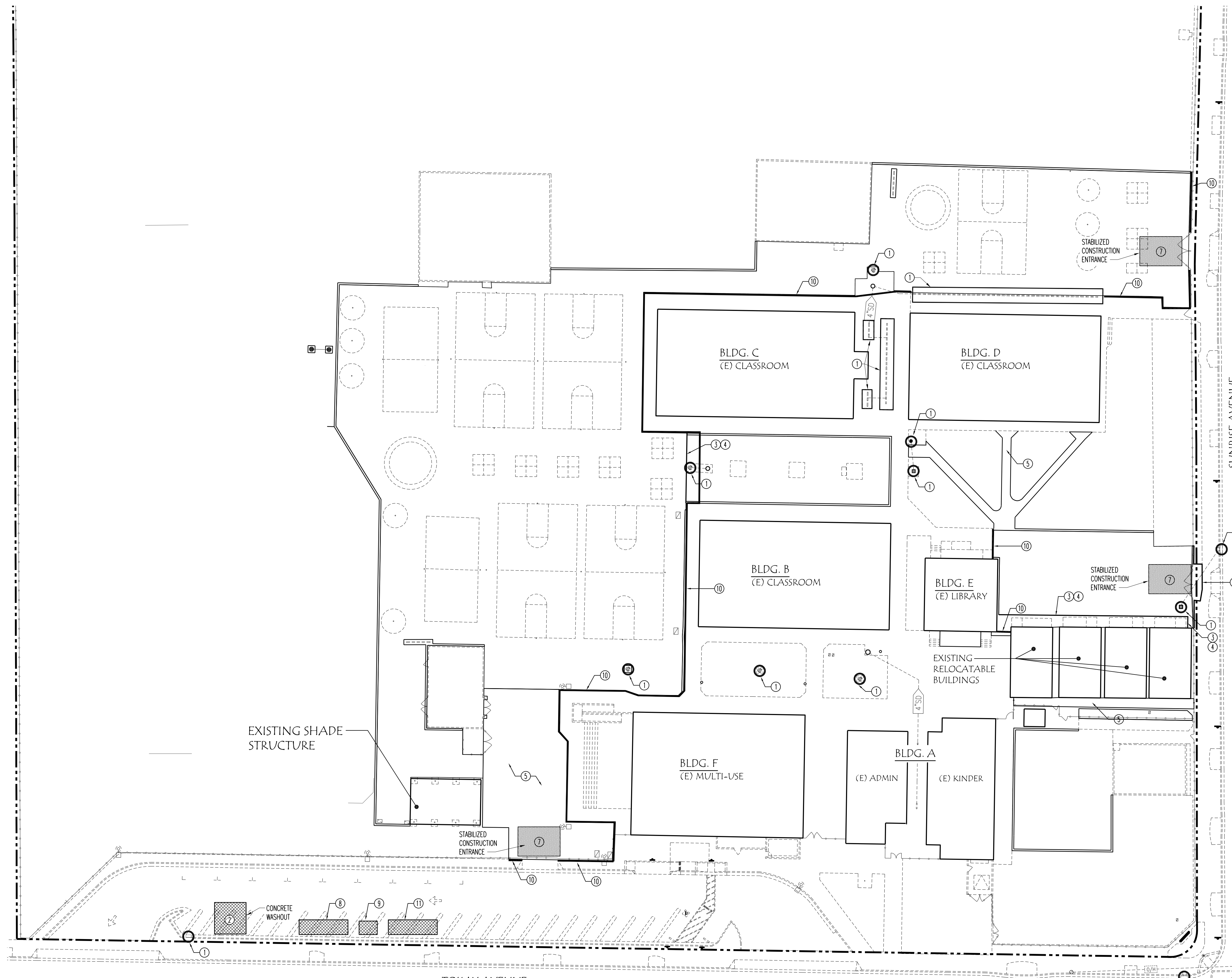
NOTE: THE CONTRACTOR SHALL CHECK ALL DIMENSIONS AT THE JOB AND SHALL BE RESPONSIBLE FOR ALL DISCREPANCIES BETWEEN DIMENSIONS IN THE DOCUMENTS OR DISCREPANCIES BETWEEN DIMENSIONS IN THE DOCUMENTS AND DIMENSIONS IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DISCREPANCIES BETWEEN DIMENSIONS IN THE DOCUMENTS AND DIMENSIONS IN THE FIELD.

KEY NOTES:

B.M.P.	DESCRIPTION	C.A.S.Q.A.	B.M.P.
①	INSTALL GRAVEL BAG INLET PROTECTION	SE-10	
②	PROVIDE CONCRETE WASHOUT	WM-8	
③	INSTALL TEMPORARY FIBER ROLL FOR CONTAINMENT OF SLURRY GENERATED DURING SAWCUT AND GRINDING OPERATIONS. SAWCUT AND GRINDING EQUIPMENT SHALL BE EQUIPPED WITH DUST CONTAINMENT BAGS	NS-3	
④	ALL SAND AND GRAVEL GENERATED DURING PAVING AND GRINDING OPERATIONS SHALL SWEEP AND PROPERLY DISPOSED OF.	NS-3, WM-5	
⑤	REFUSE GENERATED DURING CONCRETE FINISHING AND CURING SHALL BE CONTAINED AND PROPERLY DISPOSED OF.	NS-12, NS-13	
⑥	CROSS BARRIER	SE-1	
⑦	STABILIZED ENTRANCE	TC-1	
⑧	COVERED REFUSE CONTAINER	WM-9	
⑨	PORTABLE RESTROOMS	WM-9	
⑩	INSTALL FIBER ROLL ALONG EDGE OF CONSTRUCTION AREA	SE-5	
⑪	MATERIAL STORAGE	WM-1	

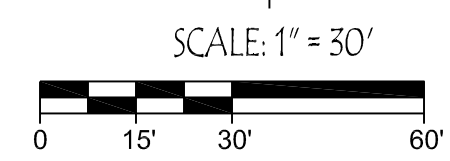
NOTES:

- 1) THESE PLANS FOR EROSION AND SEDIMENT CONTROL MEASURES, SHALL BE IN PLACE AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT (NOT JUST DURING THE RAINY SEASON).
- 2) EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT NOT JUST DURING THE RAINY SEASON). ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
- 3) DEVICES SHOWN ON PLANS SHALL NOT BE MOVED OR MODIFIED WITHOUT THE APPROVAL OF THE ENGINEER.
- 4) THE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL DEVICES TO WORKING ORDER AFTER EACH RUN-OUT PRODUCING RAINFALL.
- 5) THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES, AS MAY BE REQUIRED, DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES WHICH MAY ARISE.
- 6) THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION.
- 7) ALL EROSION CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HEREON.
- 8) GRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
- 9) ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE FIVE DAY RAIN PROBABILITY FORECAST EXCEEDS 40%.
- 10) ALL BMP'S SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA) "STORMWATER BEST MANAGEMENT PRACTICE HANDBOOK".



THE CONTRACTOR SHALL CHECK ALL DIMENSIONS AT THE JOB AND SHALL BE RESPONSIBLE FOR ALL DISCREPANCIES BETWEEN DIMENSIONS OF THE ACTUAL WORK AND THOSE SHOWN IN THE DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS.

EROSION CONTROL PLAN



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