

ABBREVIATIONS

AB	AGGREGATE BASE	MG	MILLION GALLONS
ABS	ACRYLONITRILE-BUTADIENE-STYRENE	MIN	MINIMUM
AC	ASPHALT CONCRETE	MISC	MISCELLANEOUS
ACP	ASBESTOS CEMENT PIPE	MJ	MECHANICAL JOINT
AD	ALGEBRAIC DIFFERENCE	MON	MONUMENT
ADA	AMERICANS WITH DISABILITIES ACT	MSL	MEAN SEA LEVEL
ADPT	ADAPTER	N	NORTH
AG	AGGREGATE	NC	NATURAL GROUND
ALUM	ALUMINUM	NO.	NUMBER
ANG	ANGLE	NA	NOT APPLICABLE
AP	ANGLE POINT	NOT IN CONTRACT	
APN	ASSESSOR'S PARCEL NUMBER	NPT	NATIONAL PIPE THREAD
APPROX	APPROXIMATE	OC	ON CENTER
ARV	AIR RELEASE VALVE	OD	OUTSIDE DIAMETER
AVF	OVERHEAD	OH	OVERHEAD
AVG	AVERAGE	OZ	OUNCE
BFC	BEGIN HORIZONTAL CURVE	PA	PLANTER AREA
BFP	BACKFLOW PREVENTER	PB	PULL BOX
BLD	BUILDING	PC	POINT OF CURVATURE
BLVD	BOULEVARD	PCC	POINT OF COMPOUND CURVATURE
BM	BENCHMARK	PCC	PORTLAND CEMENT CONCRETE
BO	BLOWOFF	PD	PLANTER DRAIN
BQC	BACK OF CURB	PE	PLAIN END
BV	BUTTERFLY VALVE	PEC	PHOTOELECTRIC CELL
BVC	BEGIN VERTICAL CURVE	PED	PEDESTRIAN
BSW	BACK OF SIDEWALK	PSD	PAVING SURFACE
BT	BOTTOM OF TAPER	PI	POINT OF INTERSECTION
B&R	BRELJE & RACE	PIV	POST INDICATOR VALVE
C	CONDUIT	PL	PROPERTY LINE
CAV	COMBINATION AIR AND VACUUM RELEASE VALVE	PN	PAVING NOTCH
CB	CATCH BASIN	PCC	POINT OF CONNECTION
CBQ	CALIFORNIA BUILDING CODE	PCC	POINT ON CURVE
CD	CONTROLLED DENSITY FILL	PCC	POINT OF COMPOUND CURVE
CHK	CHECK	POVC	POINT ON VERTICAL CURVE
CHK	CHECK	POS	PRIVATE OPEN SPACE
CIP	CAST-IN-PLACE PIPE	POT	POINT OF TANGENT
CIPP	CAST-IN-PLACE PIPE	PP	POWER POLE
CL	CENTERLINE	PRV	POINT OF REVERSE CURVATURE
CL	CENTERLINE	PRV	PRESSURE REDUCING VALVE
CL	CLEAR	PSD	PERFORATED SUBDRAIN
CLR	CORRUGATED METAL PIPE	PSI	POUND PER SQUARE INCH
CMP	CORRUGATED METAL PIPE ARCH	PSV	PRESSURE SUSTAINING VALVE
CNU	CONCRETE MASONRY UNIT	PT	POINT OF TANGENCY
CO	CLEANOUT	PUE	PUBLIC UTILITY EASEMENT
COAX	COAXIAL CABLE	PVC	POLYVINYL CHLORIDE
CONC	CONCRETE	PVI	POINT OF VERTICAL INTERSECTION
COND	CONDUIT	PVMT	PAVEMENT
CONST	CONSTRUCTION	PWC	PUBLIC WATER EASEMENT
CONT	CONTINUOUS	R	RADIUS
COTG	CLEANOUT TO GRADE	RAW	RAW WATER
CP	CONTROL POINT	RC	RELATIVE COMPACTION
CPLG	CORRUGATED METAL PIPE	RCB	REINFORCED CONCRETE BOX
CR	CURB RETURN	RCB	REINFORCED CONCRETE PIPE
CSP	CORRUGATED STEEL PIPE	RD	ROAD
CT	COURT	RD	ROOF DRAIN
CTB	CEMENT TREATED BASE	RED	REDUCED
CTR	CENTER	REF	REFERENCE
CY	CUBIC YARD	ROW	RIGHT OF WAY
C/C	CURB AND GUTTER	RPPB	REDUCED PRESSURE
C&G	CURB AND GUTTER	RPM	RAISED PAVEMENT MARKER
DBL	DOUBLE	RSC	REMOTE SUPERVISORY CONTROL
DDCC	DOUBLE CHECK DETECTOR CHECK	RT	RING TIGHT
DDC	DOUBLE DETECTOR CHECK	RW	RECYCLED WATER
DET	DETECTOR	RWL	RAIN WATER LEADER
DH	DETECTOR HANDHOLE	R/W	RIGHT OF WAY
DI	DROP INLET	S	SOUTH
DIA	DIAMETER	S	SLOPE
DIP	DUCTILE IRON PIPE	S.A.D.	SEE ARCHITECTURAL DRAWINGS
DLC	DETECTOR LOOP CONDUIT	SCADA	SUPERVISORY CONTROL AND DATA ACQUISITION
DR	DOWNPOUT	SCH	SCHEDULE
DS	DRAINAGE	SDCB	STORM DRAIN CATCH BASIN
DWG	DRAWING	SDCO	STORM DRAIN CLEANOUT
DWR	DASHED WHITE PAVEMENT MARKER	SDI	STORM DRAIN DROP INLET
DY	DRIVEWAY	SDE	STORM DRAIN EASEMENT
DYR	DOUBLE YELLOW DASHED YELLOW RAISED PAVEMENT MARKER	SDMH	STORM DRAIN MANHOLE
E	EAST	SE	SEWER EASEMENT
EA	EACH	S.E.D.	SEE ELECTRICAL DRAWINGS
EC	END HORIZONTAL CURVE	SF	SQUARE FEET
ECC	ECCENTRIC	SG	SUBGRADE
EFTL	EFFLUENT (SEWER)	SIG	SIGNAL
EG	EXISTING GROUND	S.L.D.	SEE LANDSCAPE DRAWINGS
EL	ELEVATION	SOF	SOFT
ELEC	ELECTRICAL	SO	SIDE OPENING (SD)
ELL	EDGE OF PAVEMENT	S.P.D.	SEE PLUMBING DRAWINGS
EL	EQUAL	SPEC	SPECIFICATION
ESQMT	EASEMENT	SQ	SQUARE
EVC	END VERTICAL CURVE	SS	STAINLESS STEEL
EW	EACH WAY	SSCO	SANITARY SEWER CLEANOUT
EX	EXISTING	SSD	SEE STRUCTURAL DRAWINGS
FA	FIRE ALARM	SSMH	SANITARY SEWER MANHOLE
FC	FACE OF CURB	ST	STREET
FCA	FLANGED COUPLING ADAPTER	STD	STANDARD
FDC	FIRE DEPARTMENT CONNECTION	STL	STEEL
FES	FLARED END SECTION	SVC	SERVICE
FF	FINISHED FLOOR	SW	SIDEWALK EASEMENT
FG	FINISHED GRADE	SY	SQUARE YARDS
FH	FIRE HYDRANT	SWL	SIDEWALK
FL	FLOWLINE	SWL	SOLID WHITE LINE
FLG	FLOWLINE	T	TANGENT
FLSO	FLOWLINE OF SIDE OPENING	TAN	TANGENT
FLEX	FLEXIBLE	TOP OF BOX	
FM	FORCE MAIN (PRESSURE)	TEMPORARY BENCHMARK	
FRP	FIBERGLASS REINFORCED PLASTIC	TOP OF CONCRETE	
FT	FEET	TOP OF CURB	
FTG	FOOTING	TEMPORARY CONSTRUCTION EASEMENT	
GAL	GALLON	TD	TOP OF DIKE
GALV	GALVANIZED	TEL	TELEPHONE
GB	GRADE BREAK	TEMPORARY	
GPM	GALLONS PER MINUTE	TF	TOP OF FOUNDATION
GRD	GROUND	THG	TOP OF GRADE
GSP	GALVANIZED STEEL PIPE	TP	TOP OF PIPE
GV	GATE VALVE	TS	TOP OF SLAB
HB	HOSE BIBB	TSI	TRAFFIC SIGNAL
HD	HEADER BOARD	TT	TOP OF TAPER
HDPG	HOT DIPRED GALVANIZED	TW	TOP OF WALL
HDPE	HIGH DENSITY POLYETHYLENE	TWLT	TWO WAY LEFT TURN LANE
HORIZ	HORIZONTAL	TYP	TYPICAL
HIP	HIGH POINT	UC	UTILITY CHASE
HPG	HIGH PRESSURE GAS	UFFG	UNDER FLOOR FINISHED GRADE
HPS	HIGH PRESSURE SODIUM	UG	UNDERGROUND
HPT	HIGH POINT	UNO	UNLESS NOTED OTHERWISE
HWY	HIGHWAY	V	VOLT
IC	INTERCONNECT	V	VERTICAL CURVE
ICV	IRRIGATION CONTROL VALVE	VCP	VITRIFIED CLAY PIPE
ID	INSIDE DIAMETER	VERT	VERTICAL
INV	INVERT	VG	VALLEY GUTTER
IP	IRON PIPE	VLT	VAULT
IPS	IRON PIPE SIZE	W	WEST
IRR	IRRIGATION	W	WATER
ISA	INTERNATIONAL SYMBOL OF ACCESSIBILITY	WBD	WALL BACK DRAIN
JB	JUNCTION BOX	WM	WATER METER
JT	JOINT TRENCH	WNF	WELD NECK FLANGE
JV	JOINT VALVE	WS	WATER SERVICE
KV	KILOVOLT	WSS	WATER SAMPLING STATION
L	LENGTH	WT	WEIGHT
LG	LINEAL FEET	WTR	WATER
LG	LIP OF GARAGE	WV	WATER VALVE
LG	LIP OF GUTTER	WWF	WELDED WIRE FABRIC
LL	LANE LINE	YD	YARD
LMA	LUMINAIRE MAST ARM		
LN	LANE		
LP	LOW POINT		
LT	LEFT		
LUM	LUMINAIRE		
MAX	MAXIMUM		
MB	MALBOX		
MBGR	METAL BEAM GUARD RAIL		
MFR	MANUFACTURE		

LEGEND

BOUNDARY

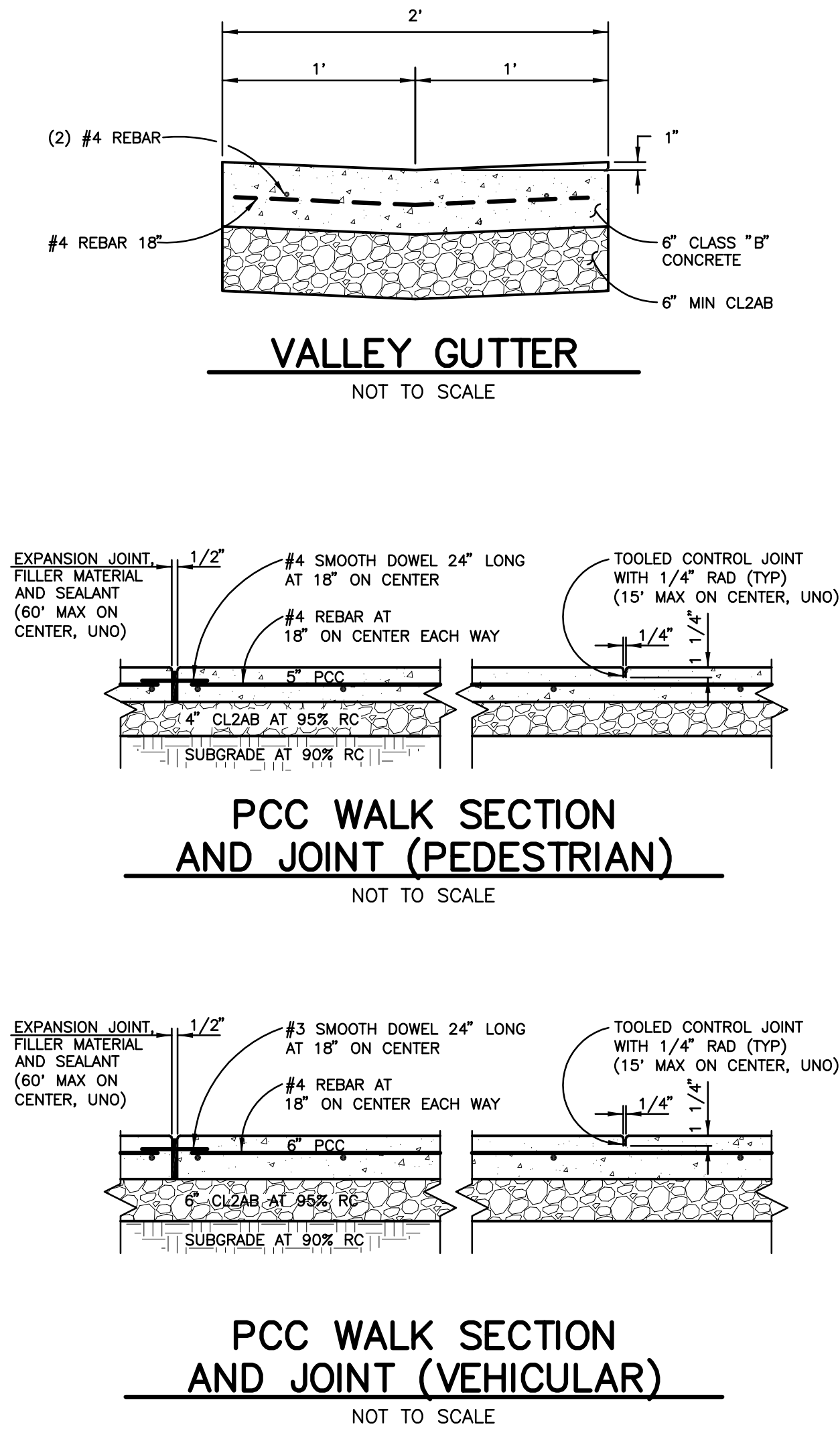
BOUNDARY	---
PARCEL	---
CENTER	---
EASEMENT	---

UTILITY LINES

STORM DRAIN	24" SD	24" SD
WATER	8" W	8" W
SEWER	12" SS	12" SS
GAS	3" G	12KV E
ELECTRICAL	E	E
TELEPHONE	T	T
TELEVISION	TV	TV
JOINT TRENCH	JT	JT

TOPOGRAPHY

DROP INLET		
DROP INLET WITH SIDE OPENINGS		
WATER METER		
WATER VALVE		
BLOWOFF		
FIRE HYDRANT		
THRUST BLOCK		
GAS METER		
STORM DRAIN MANHOLE		
STORM DRAIN CATCH BASIN		
SEWER MANHOLE		
SEWER CLEANOUT		
JOINT POLE		
LIGHT STANDARD		
GUY/ANCHOR		
CURB & GUTTER		
AC DIKE		
FENCE		
CHAIN LINK FENCE		
DITCH/SWALE		
MONUMENT		
TREE PROTECTION		
TREE TO BE SAVED		
TREE TO BE REMOVED		

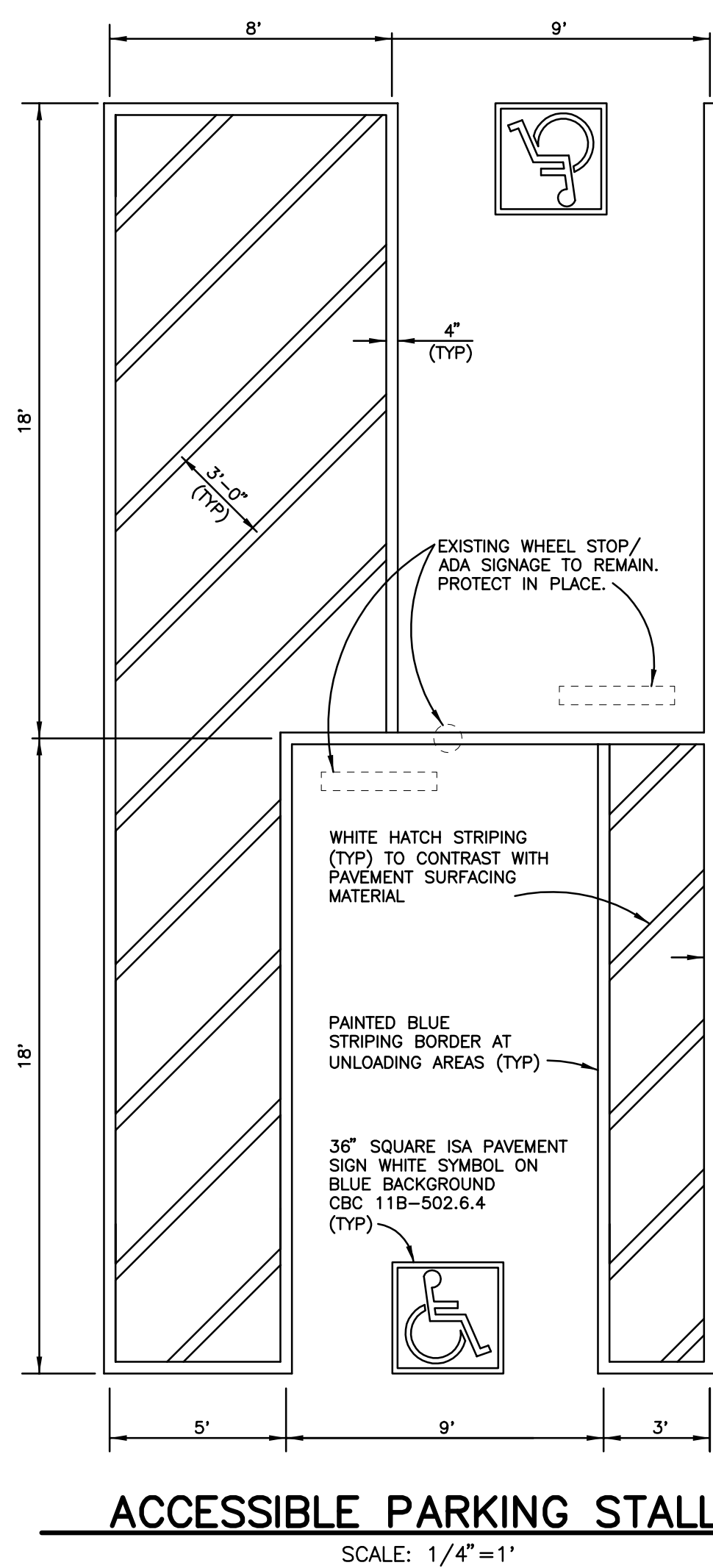


GENERAL NOTES

- ANY DISCREPANCY DISCOVERED BY CONTRACTOR IN THESE PLANS OR ANY FIELD OBSTRUCTIONS DISCOVERED BY CONTRACTOR THAT MAY DELAY OR OBSTRUCT THE PROGRESS OF THE WORK PER THESE PLANS, NO WORK SHALL BE BROUGHT TO THE ATTENTION OF THE CITY ENGINEER AND THE OWNER IMMEDIATELY UPON DISCOVERY. SAID NOTIFICATION SHALL BE IN WRITING.
- CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, GENERAL CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO HOLD HARMLESS, INDEMNIFY AND DEFEND THE OWNER, THE ENGINEER AND HIS CONSULTANTS, AND THE CITY OF LOWER LAKE, THE COUNTY OF LAKE, AND EACH OF THEIR OFFICERS, EMPLOYEES AND AGENTS.
- CONTRACTOR SHALL INDEPENDENTLY REVIEW GROUND, TOPOGRAPHY, AND TREE CONDITIONS THROUGHOUT THE SITE, AND ASSUME WHOLLY AND UNCONDITIONALLY THE RISK OF COMPLETING THE WORK SET OUT ON THESE PLANS, REGARDLESS OF ROCK, WATER TABLE, OR OTHER CONDITIONS WHICH CONTRACTOR MAY ENCOUNTER IN THE COURSE OF THE WORK.
- ANY EXCESS MATERIALS SHALL BE CONSIDERED THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF AWAY FROM THE JOB SITE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
- THE CONTRACTOR, AND HIS SUBCONTRACTORS, SHALL PREVENT ANY DUST NUISANCE BY WATERING AND/OR TREATING THE SITE WITH AN APPROVED DUST CONTROL PALLIATIVE.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING NOISE, ODORS, DUST AND DEBRIS TO MINIMIZE IMPACTS ON SURROUNDING ROADWAYS AND PROPERTIES.
- CONTRACTOR SHALL BE RESPONSIBLE THAT ALL CONSTRUCTION EQUIPMENT IS EQUIPPED WITH MANUFACTURER APPROVED MUFFLERS/Baffles.

GENERAL UNDERGROUND NOTES

- NO GUARANTEE IS INTENDED THAT UNDERGROUND OBSTRUCTIONS, NOT SHOWN ON THESE PLANS, MAY BE ENCOUNTERED. THOSE SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE AND THE CONTRACTOR IS CAUTIONED THAT THE OWNER, AND THE ENGINEER, ASSUME NO RESPONSIBILITY FOR ANY OBSTRUCTION EITHER SHOWN OR NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY COMPANIES WORKING WITHIN THE LIMITS OF THIS PROJECT.
- CONTRACTOR SHALL NOT BEGIN EXCAVATION UNTIL ALL EXISTING UTILITIES HAVE BEEN MARKED IN THE FIELD BY THE APPLICABLE ENTITY RESPONSIBLE FOR THAT PARTICULAR UTILITY. THE CONTRACTOR SHALL NOTIFY EACH APPLICABLE ENTITY AT LEAST 48 HOURS BEFORE STARTING WORK.
- UNDERGROUND SERVICE ALERT: CALL TOLL FREE (800) 642-2444 AT LEAST 48 HOURS PRIOR TO EXCAVATION.
- CONTRACTOR SHALL UNCOVER EXISTING BURIED UTILITIES WITH UTILITY OWNERS TO VERIFY LOCATIONS AND ELEVATIONS OF UTILITIES. BURIED UTILITIES INCLUDE BUT ARE NOT LIMITED TO WATER MAINS AND LATERALS, STORM DRAINS, GAS MAINS AND LATERALS, ELECTRICAL DISTRIBUTION LINES AND TELEPHONE LINES. ALL UTILITIES CONFLICTING WITH THE PROPOSED CONSTRUCTION SHALL BE RELOCATED PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL VERIFY EXISTING INVERTS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. THE PROJECT AND/OR DESIGN ENGINEER MAY ADJUST THE GRADE OF NEW STORM DRAIN CONSTRUCTION ACCORDINGLY WITH CONCURRENCE FROM THE APPROPRIATE AGENCIES.
- DISTANCES AND INVERTS ARE TO AND AT THE CENTER OF THE MANHOLES, CLEANOUTS, DROP INLETS, CATCH BASINS, AND YARD DRAINS OR AS MARKED IN THE DRAWINGS.
- ALL UNDERGROUND IMPROVEMENTS SHALL BE INSTALLED AND APPROVED PRIOR TO PAVING.
- ALL MATERIAL, WORKMANSHIP AND CONSTRUCTION DETAILS SHALL CONFORM TO THE CITY OF SANTA ROSA DESIGN AND CONSTRUCTION STANDARD SPECIFICATIONS, INCLUDING ALL ADDENDA, STANDARD PLAN REVISIONS, AND SPECIAL PROVISIONS.
- EXISTING UNDERGROUND UTILITIES, INCLUDING ELECTRICAL & TELECOMMUNICATION LINES ENCOUNTERED DURING CONSTRUCTION OPERATIONS SHALL REMAIN AND BE PROTECTED UNLESS NOTED OTHERWISE ON THE PLANS. UTILITIES LINES DAMAGED BY CONSTRUCTION OPERATIONS SHALL BE IMMEDIATELY REPORTED TO THE RESIDENT ENGINEER, REPAIRED AND SERVICES RESTORED AT NO ADDITIONAL COST TO THE OWNER.
- FINAL CONSTRUCTED LOCATIONS OF UTILITY STRUCTURES, MAINS AND LATERALS SHALL BE AS DIMENSIONED, OR TO COORDINATES ASSIGNED ON THE PLANS, SECTIONS AND DETAILS.
- LOCATION, SIZE AND INVERT ELEVATION DATA SHOWN FOR EXISTING UTILITY FACILITIES ARE BASED ON RECORD, TOPOGRAPHIC AND FIELD SURVEY DATA, SOME OF WHICH WAS PROVIDED BY OTHERS. CONTRACTOR MUST POT HOLE TO LOCATE CONFIRM SIZE, AND WHERE INDICATED, DEPTH OF EXISTING UTILITIES PRIOR TO ANY UTILITY CONSTRUCTION. NOTIFY ENGINEER OF RESULTS, SOME RESULTS MAY IMPACT THE APPROVED DESIGN.



GRADING NOTES

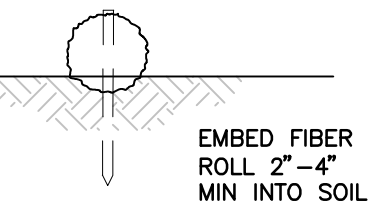
- ALL WORK SHALL COMPLY WITH APPENDIX CHAPTER J OF THE CALIFORNIA BUILDING CODE, AND WITH THE RECOMMENDATIONS OF THE SOILS TESTING LABORATORY REPRESENTATIVE IN THE FIELD. NO WORK SHALL COMMENCE UNTIL THE CONTRACTOR, GRADING CONTRACTOR, AND ALL RELATED SUBCONTRACTORS HAVE MET WITH THE SOILS TESTING LABORATORY REPRESENTATIVE TO REVIEW THE SITE, THE GRADING PLANS AND THE EARTHWORK REQUIREMENTS.
- AREAS TO BE DEVELOPED SHOULD BE CLEARED OF VEGETATION, EX ASPHALT, FOUNDATIONS AND DEBRIS. CLEARED AND GRUBBED MATERIAL SHOULD BE REMOVED FROM THE SITE AND DISPOSED OF. VOIDS CREATED DURING CLEARING SHALL BE BACKFILLED WITH ENGINEERED FILL AS SPECIFIED.
- AREAS TO BE GRADED SHOULD BE STRIPPED OF THE UPPER FEW INCHES OF SOIL CONTAINING ORGANIC MATTER. SOIL CONTAINING MORE THAN TWO PERCENT BY WEIGHT OF ORGANIC MATTER SHALL BE CONSIDERED ORGANIC. ACTUAL STRIPPING DEPTH SHOULD BE DETERMINED BY SOILS TESTING LABORATORY REPRESENTATIVE IN THE FIELD AT THE TIME OF STRIPPING. THE STRIPPINGS SHOULD BE REMOVED FROM THE SITE.
- SAW CUT EXISTING PAVEMENTS ALONG LINES SHOWN, AND REMOVE AND PROPERLY DISPOSE OF EXISTING ASPHALT. EXISTING AGGREGATE BASE MATERIAL THAT CAN BE REMOVED WITHOUT CONTAMINATING IT MAY BE STOCKPILED FOR REUSE IN AREAS REQUIRING NEW PAVING OR BUILDING PADS. ALL EXCESS, UNSUITABLE, AND CONTAMINATED MATERIAL SHALL BE REMOVED FROM THE SITE.
- TRENCH EXCAVATIONS, SHORING, AND SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. ATTENTION IS DRAWN TO THE STATE OF CALIFORNIA SAFETY ORDERS DEALING WITH "EXCAVATIONS AND TRENCHES".
- THE CONTRACTOR SHALL PERFORM EARTHWORK CALCULATIONS WHICH ACCOUNT FOR HIS PROPOSED METHODS OF GRADING AND TRENCHING OF ALL MATERIALS REGARDLESS OF CHARACTER AS HE DEEMS NECESSARY FOR BIDDING AND CONSTRUCTION PURPOSES. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO ACCOUNT FOR THE COST OF ANY NECESSARY IMPORT OF SELECT MATERIAL OR REMOVAL FROM THE SITE OF UNSUITABLE OR EXCESS FILL MATERIAL IN HIS BID IN ORDER TO ACHIEVE THE GRADES SHOWN ON THE PLAN. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR THIS ITEM OF WORK UNLESS THE OWNER REQUESTS ADDITIONAL WORK BE PERFORMED.
- IN THE EVENT THAT ARCHAEOLOGICAL REMAINS ARE ENCOUNTERED DURING GRADING OR TRENCHING, WORK SHALL BE HALTED TEMPORARILY AND A QUALIFIED ARCHAEOLOGIST SHALL BE CONSULTED FOR EVALUATION OF THE ARTIFACTS AND TO RECOMMEND FUTURE ACTION. THE LOCAL INDIAN COMMUNITY SHALL ALSO BE NOTIFIED AND CONSULTED IN THE EVENT ANY ARCHAEOLOGICAL REMAINS ARE UNCOVERED.

EROSION CONTROL NOTES

- EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSTALLED PRIOR TO OCTOBER 1 AND ARE TO BE MAINTAINED THROUGHOUT CONSTRUCTION UNTIL PERMANENT VEGETATION IS ESTABLISHED. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. WORK DIFFICULTY IN CONTROLLING EROSION DURING CONSTRUCTION SHALL BE REPORTED TO THE OWNER/ENGINEER IMMEDIATELY.
- SOME ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED BY THE PROJECT ENGINEER.
- ALL EROSION AND SEDIMENTATION CONTROL DEVICES SHALL CONFORM TO THE LATEST EROSION AND SEDIMENTATION CONTROL REGULATIONS FOR THE STATE OF CALIFORNIA.
- FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED.
- PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITY SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.
- PRIOR TO ANY OTHER CONSTRUCTION A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY TO OR EXITING FROM THE SITE. THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY, THIS MAY REQUIRE PERIODIC TOP DRESSING WITH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN OUT OF ANY STRUCTURES USED TO TRAP SEDIMENT, ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLE OR SITE ONTO THE PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.
- IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCES/EXITS, ALL PERIMETER EROSION DEVICES AND STORM WATER MANAGEMENT DEVICES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.
- ALL SILT BARRIERS MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT BARRIER INSTALLATION IS COMPLETED.
- CONTRACTOR IS RESPONSIBLE FOR MONITORING DOWNSTREAM CONDITIONS THROUGHOUT THE CONSTRUCTION PERIOD AND FOR CLEARING ANY DEBRIS AND SEDIMENT CAUSED BY CONSTRUCTION.
- SEDIMENT AND EROSION CONTROL DEVICES MUST BE CHECKED AFTER EACH STORM EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED HALF THE CAPACITY OF THE DEVICE.
- CONTRACTOR IS RESPONSIBLE FOR CLEANING OUT ALL STORM DRAIN STRUCTURES AND PIPE PRIOR TO FINAL COMPLETION.
- AS A MINIMUM, ALL GRADED AREAS AND EXPOSED SOIL WITHIN THIS PROJECT SHALL BE SEED FOR EROSION CONTROL BY THE CONTRACTOR. SEED AND MULCH WILL BE APPLIED BY OCTOBER 1ST TO ALL EXPOSED SOIL WITHIN OR ADJACENT TO THE PROJECT. SEED AND FERTILIZER WILL BE APPLIED HYDRAULICALLY OR BY HAND AT THE RATES SPECIFIED BELOW. ON SLOPES, STRAW WILL BE APPLIED BY BLOWER OR BY HAND AND ANCHORED IN PLACE BY PUNCHING. ALL CRITICAL EARTHWORK OPERATIONS SHALL BE PERFORMED DURING THE DRY WEATHER SEASON, FROM MAY 1ST TO OCTOBER 1ST OR AS OTHERWISE APPROVED BY THE INSPECTOR OF RECORD. THE CLEARING OF EXISTING VEGETATION SHALL BE CONFINED WITHIN THE LIMITS OF ACTUAL EARTHWORK. STAGING OF THE WORK SHALL BE REQUIRED TO ENSURE THAT THE AMOUNT OF LAND CLEARED AT ANY TIME IS LIMITED TO THE AREA THAT CAN BE DEVELOPED DURING THE CONSTRUCTION PERIOD. STORM WATER SHALL NOT BE ALLOWED TO FLOW DIRECTLY DOWN UNPROTECTED SLOPES. ENERGY DISSIPATING STRUCTURES AND EROSION CONTROL DEVICES SHALL BE PLACED AT ALL DRAINAGE OUTLETS WHICH DISCHARGE TO NATURAL CHANNELS AS SHOWN ON THESE PLANS. ALL SEDIMENT TRAPS SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL SUCH TIME THAT THE COUNTY ACCEPTS MAINTENANCE RESPONSIBILITY.

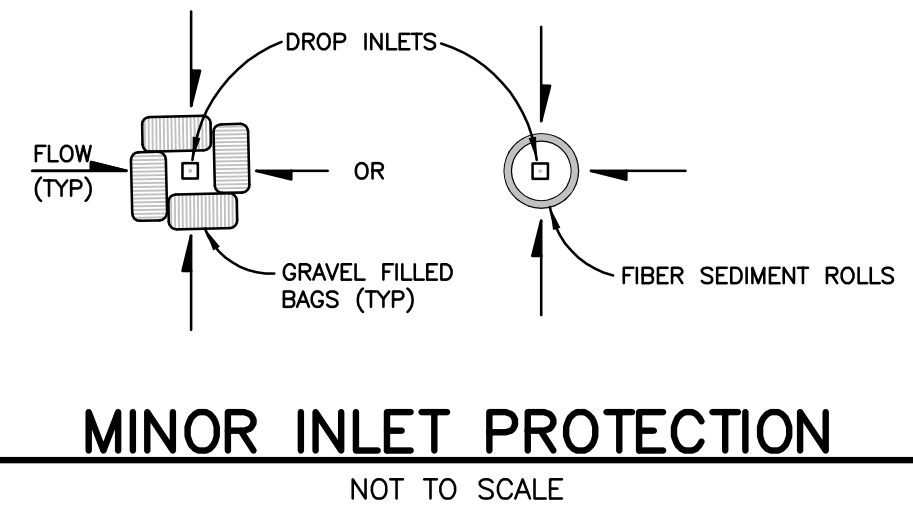
ITEM

ITEM	POUNDS PER ACRE
BROMUS CARINATUS (California Brome)	
ESCHSCHOLZIA C. "CREAM" (California Poppy)	.12
FESTUCA CALIFORNICA (California Fescue)	.4
NASSELLA PULCHRA (Purple Needlegrass)	.12
FERTILIZER (16-20-0 & 15% SULPHUR)	.12
STRAW MULCH.	.500
	4000 OR 3500 LB. OF WOOD CELLULOSE



NOTES

- THE FIBER ROLLS SHALL BE PLACED ON SLOPE CONTOUR.
- FIBER ROLLS TO BE PLACED IN A ROW WITH THE ENDS TIGHTLY ABUTTING. USE STRAW, ROCKS, OR FILTER FABRIC TO FILL GAPS BETWEEN THE FIBER ROLLS AND TAMP THE BACKFILL MATERIAL TO PREVENT EROSION OR FLOW AROUND FIBER ROLLS.



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UNIVERSITY ELEMENTARY AT LA FIESTA

PAVEMENT REHABILITATION

8511 LIMAN WAY
ROHNERT PARK, CALIFORNIA

REVISIONS		
NO.	DATE	DESCRIPTION

ON A FULL-SCALE DRAWING, LENGTH OF BAR BELOW IS 1-INCH. IF BAR MEASURES LESS THAN 1-INCH, THIS SHEET WAS PLOTTED AT A REDUCED SCALE, WHICH MAY REQUIRE ADJUSTMENT OF SCALE(S) SHOWN ON DRAWING.

PROJECT	DATE
4975.00	APRIL 2023
DRAWN BY	CHECKED BY
PIT	PVB


ABBREVIATIONS, LEGEND, NOTES & DETAILS

SHEET NO.

1 OF 5



LEGEND










 REMOVE EXISTING ASPHALT AND TOP 8"± OF AGGREGATE BASE (TO A TOTAL DEPTH OF 1"± FROM EXISTING GRADE) AND PROPERLY DISPOSE OF OFFSITE. REMAINING AGGREGATE BASE TO REMAIN IN PLACE. SEE DEDUCTIVE ALTERNATE NOTE BELOW.

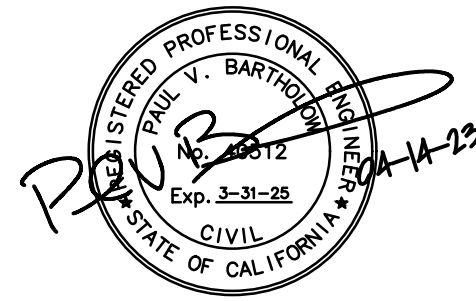
DEDUCTIVE ALTERNATE #1
CONTRACTOR SHALL PROVIDE A DEDUCTIVE ALTERNATE COST IN THEIR BID TO REMOVE A PORTION (11,000+/-SF) OF THE DEMOLITION AND ASPHALT PARKING LOT REHABILITATION NOTED ON THESE DRAWINGS IN FAVOR OF CRACK FILLING (2,000+/-LF) AND A SLURRY SEAL PER CALTRANS SPECIFICATIONS.

ALL EXISTING UTILITY VAULTS, BOXES, ETC TO REMAIN, UNLESS OTHERWISE NOTED. PROTECT IN PLACE.

DEMOLITION NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

-  SAWCUT EXISTING IMPROVEMENTS.
-  EXISTING HARDSCAPE TO REMAIN. PROTECT IN PLACE.
-  EXISTING CURB TO REMAIN. PROTECT IN PLACE.
-  EXISTING TRASH ENCLOSURE, INCLUDING FENCE AND FOOTINGS, TO REMAIN. PROTECT IN PLACE.
-  EXISTING LIGHT TO REMAIN. PROTECT IN PLACE.
-  EXISTING STORM DRAIN INLET TO REMAIN. PROTECT IN PLACE.
-  EXISTING BOLLARD TO REMAIN. PROTECT IN PLACE.
-  GRIND ALL EXISTING PARKING LOT STRIPING/MARKINGS.
-  EXISTING WHEEL STOPS/ADA SIGNAGE TO REMAIN. PROTECT IN PLACE.



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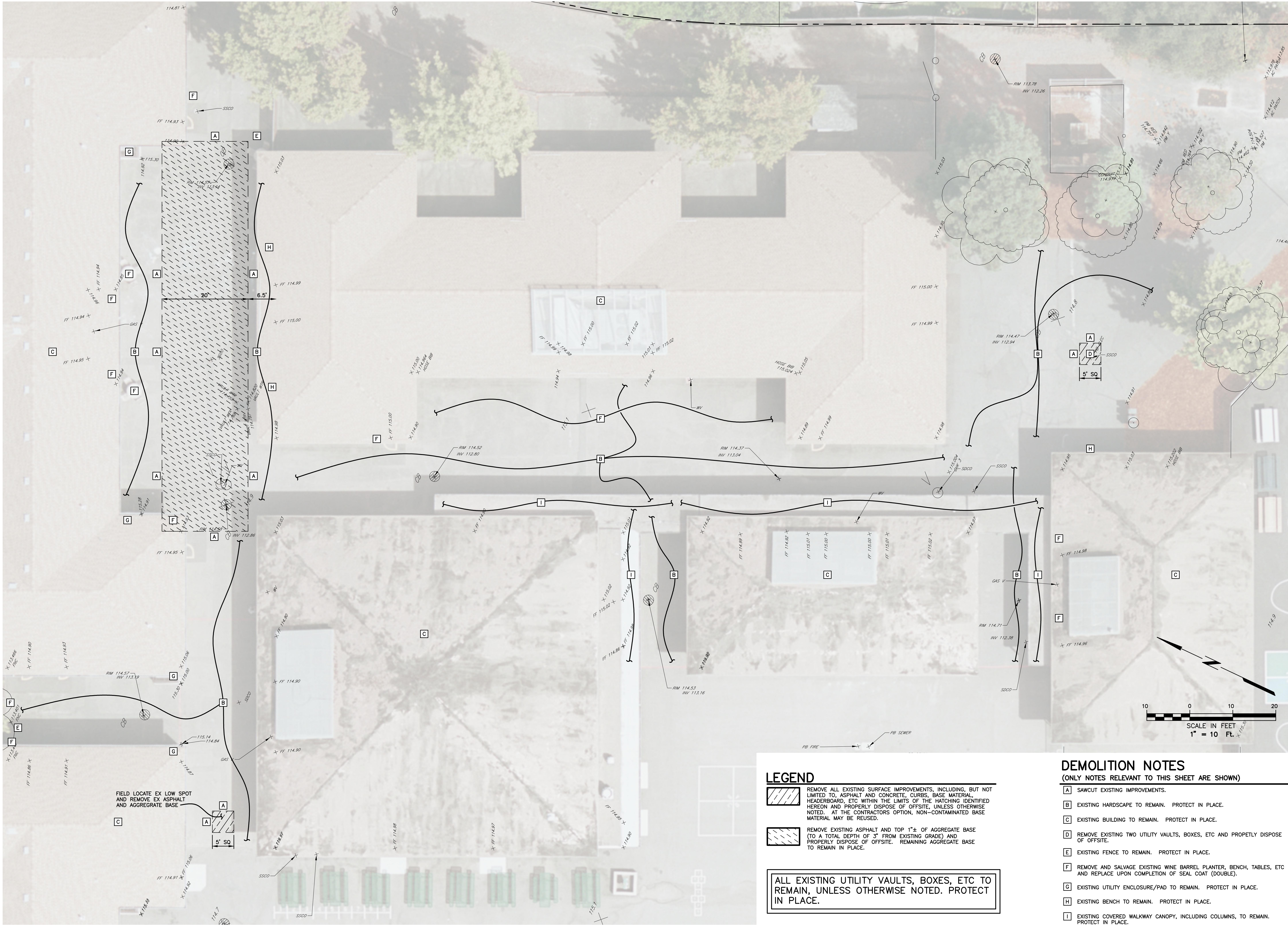
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PROJECT	DATE
4975.00	APRIL 2023
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PIT	PVB

DEMOLITION
PLAN
PARKING LOT

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2 OF 5



LEGEND

- REMOVE ALL EXISTING SURFACE IMPROVEMENTS, INCLUDING, BUT NOT LIMITED TO, ASPHALT AND CONCRETE, CURBS, BASE MATERIAL, HEADERBOARD, ETC WITHIN THE LIMITS OF THE HATCHING IDENTIFIED HEREON AND PROPERLY DISPOSE OF OFFSITE, UNLESS OTHERWISE NOTED. AT THE CONTRACTOR'S OPTION, NON-CONTAMINATED BASE MATERIAL MAY BE REUSED.
- REMOVE EXISTING ASPHALT AND TOP 1"± OF AGGREGATE BASE (TO A TOTAL DEPTH OF 3" FROM EXISTING GRADE) AND PROPERLY DISPOSE OF OFFSITE. REMAINING AGGREGATE BASE TO REMAIN IN PLACE.

ALL EXISTING UTILITY VAULTS, BOXES, ETC TO REMAIN, UNLESS OTHERWISE NOTED. PROTECT IN PLACE.

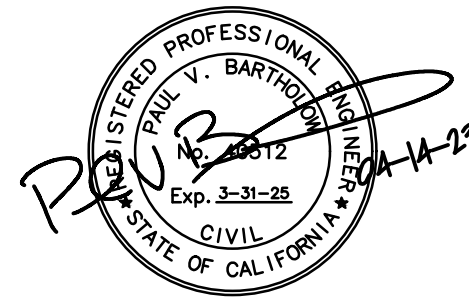
DEMOLITION NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

- A SAWCUT EXISTING IMPROVEMENTS.
- B EXISTING HARDSCAPE TO REMAIN. PROTECT IN PLACE.
- C EXISTING BUILDING TO REMAIN. PROTECT IN PLACE.
- D REMOVE EXISTING TWO UTILITY VAULTS, BOXES, ETC AND PROPERLY DISPOSE OF OFFSITE.
- E EXISTING FENCE TO REMAIN. PROTECT IN PLACE.
- F REMOVE AND SALVAGE EXISTING WINE BARREL PLANTER, BENCH, TABLES, ETC AND REPLACE UPON COMPLETION OF SEAL COAT (DOUBLE).
- G EXISTING UTILITY ENCLOSURE/PAD TO REMAIN. PROTECT IN PLACE.
- H EXISTING BENCH TO REMAIN. PROTECT IN PLACE.
- I EXISTING COVERED WALKWAY CANOPY, INCLUDING COLUMNS, TO REMAIN. PROTECT IN PLACE.

SEE SHEET 2

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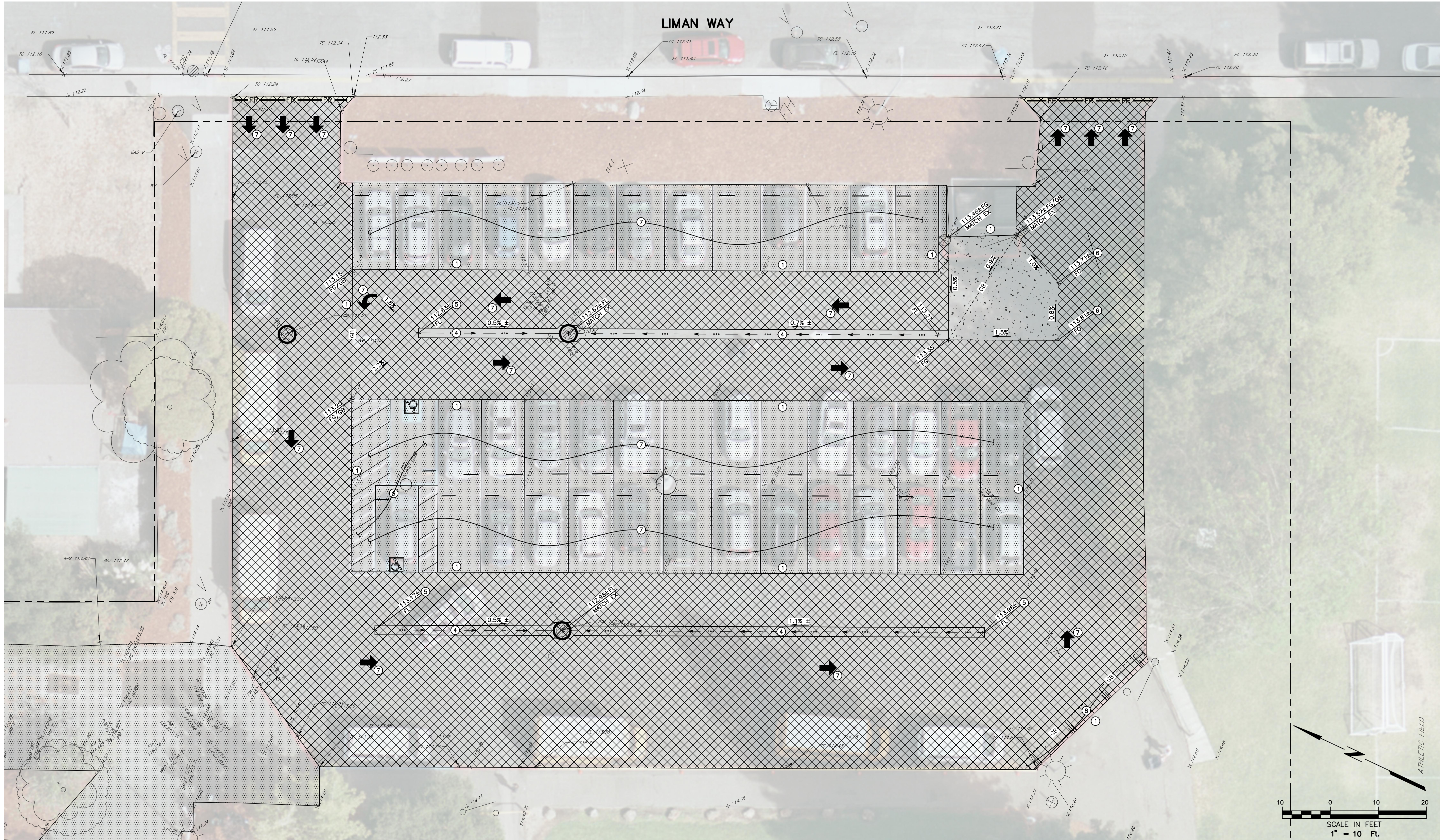
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DEMOLITION
PLAN
CAMPUS

SHEET NO.

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SEE SHEET 5

**LEGEND**

- FR — FIBER ROLL
PER DETAIL, SHEET C0
- MINOR INLET PROTECTION,
PER DETAIL, SHEET C0

PRIOR TO PLACEMENT OF SEAL COAT (DOUBLE), CONTRACTOR SHALL CLEAN ALL EXISTING PAVEMENT AND CRACKS (700±LF) OF DIRT AND DEBRIS. AFTER CLEANING, ALL CRACKS SHALL BE FILLED WITH HOT-APPLIED CRACK FILLER. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

UPON COMPLETION OF SEAL COAT (DOUBLE), CONTRACTOR SHALL PAINT ALL SURFACE MARKINGS TO MATCH IN-KIND, OR AS OTHERWISE DIRECTED BY THE SCHOOL DISTRICT IN THE FIELD.

PAVEMENT STRUCTURAL SECTION

LOCATION	AC*	CL2 AB**	PCC***	SEAL COAT
ASPHALT PARKING LOT REHABILITATION (SEE DEDUCTIVE ALTERNATE NOTE BELOW)	0.25'	0.67'****	—	NO
CONCRETE (VEHICULAR) PER DETAIL SHEET C1	—	0.50'	0.50'	NO
SEAL COAT (DOUBLE)	—	—	—	YES

- * TYPE A 1/2 MAX MEDIUM ASPHALT
- ** COMPACTED TO 95% RELATIVE COMPACTION
- *** 5 SACKS PER CY
- **** CONTRACTOR SHALL PLACE LAYER OF TENSAR NX850 GEOGRID (OR APPROVED EQUAL) AT BOTTOM AND MIDPOINT OF CLASS 2 AGGREGATE BASE SECTION.

DEDUCTIVE ALTERNATE #1
CONTRACTOR SHALL PROVIDE A DEDUCTIVE ALTERNATE COST IN THEIR BID TO REMOVE A PORTION ((1,000+/-) SQ) OF THE DEMOLITION AND ASPHALT PARKING LOT REHABILITATION NOTED ON THESE DRAWINGS IN FAVOR OF CRACK FILLING (2,000+/- LF) AND A SLURRY SEAL PER CALTRANS SPECIFICATIONS.

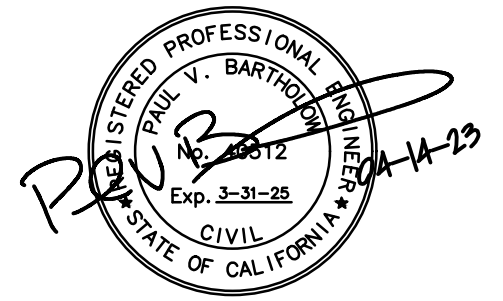
SHEET NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

- MATCH EXISTING IMPROVEMENTS.
- INSTALL NEW UTILITY VAULT, BOXES, ETC (SIZE IN KIND) TO NEW FINISHED GRADE.
- INSTALL 2' CONCRETE VALLEY GUTTER PER DETAIL, SHEET C0.
- INSTALL VALLEY GUTTER FLOWLINE 0.12' BELOW ADJACENT EXISTING GRADE.
- INSTALL EDGE OF CONCRETE TRASH ENCLOSURE PAD 0.05' BELOW ADJACENT EXISTING GRADE.
- RESTRIP PARKING STALLS/MARKINGS TO MATCH IN-KIND, OR AS OTHERWISE DIRECTED BY THE SCHOOL DISTRICT IN THE FIELD.
- INSTALL FULL DEPTH ASPHALT DRIVEWAY APRON.
- STRIPE ADA STALLS PER DETAIL, SHEET 1.

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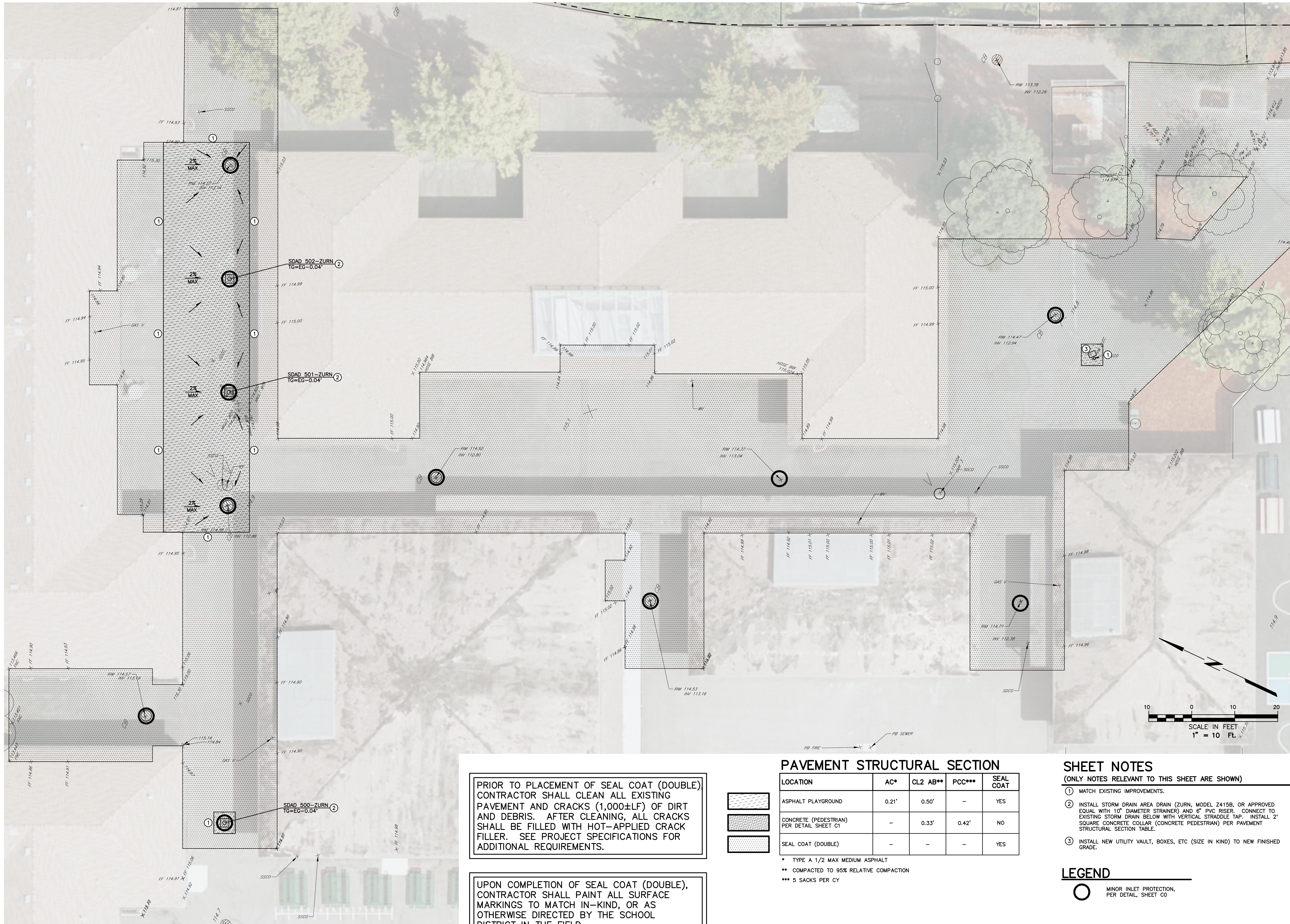
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**PAVEMENT
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PARKING LOT**

SHEET NO.

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PRIOR TO PLACEMENT OF SEAL COAT (DOUBLE), CONTRACTOR SHALL CLEAN ALL EXISTING PAVEMENT AND CRACKS (1,000±LF) OF DIRT AND DEBRIS. AFTER CLEANING, ALL CRACKS SHALL BE FILLED WITH HOT-APPLIED CRACK FILLER. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

UPON COMPLETION OF SEAL COAT (DOUBLE), CONTRACTOR SHALL PAINT ALL SURFACE MARKINGS TO MATCH IN-KIND, OR AS OTHERWISE DIRECTED BY THE SCHOOL DISTRICT IN THE FIELD.

PAVEMENT STRUCTURAL SECTION

LOCATION	AC*	CL2 AB**	PCC***	SEAL COAT
ASPHALT PLAYGROUND	0.21'	0.50'	-	YES
CONCRETE (PEDESTRIAN) PER DETAIL SHEET C1	-	0.33'	0.42'	NO
SEAL COAT (DOUBLE)	-	-	-	YES

* TYPE A 1/2 MAX MEDIUM ASPHALT
** COMPACTED TO 95% RELATIVE COMPACTION
*** 5 SACKS PER CY

SHEET NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

- MATCH EXISTING IMPROVEMENTS.
- INSTALL STORM DRAIN AREA DRAIN (ZURN, MODEL Z415B, OR APPROVED EQUAL WITH 10" DIAMETER STRAINER) AND 6" PVC RISER. CONNECT TO EXISTING STORM DRAIN BELOW WITH VERTICAL STRADDLE TAP. INSTALL 2' SQUARE CONCRETE COLLAR (CONCRETE PEDESTRIAN) PER PAVEMENT STRUCTURAL SECTION TABLE.
- INSTALL NEW UTILITY VAULT, BOXES, ETC (SIZE IN KIND) TO NEW FINISHED GRADE.

LEGEND

○ MINOR INLET PROTECTION, PER DETAIL, SHEET C0

SEE SHEET 4

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PAVEMENT
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