QUATTROCCHI KWOK
ARCHITECTS

PARKWAY HEIGHTS MIDDLE SCHOOL MODERNIZATION – PHASE II
PROJECT 01-18

Addendum 02

FEBRUARY 21, 2018

DSA File Number: 41-28
DSA Application Number: 01-116522
PTN: 69070-97

Owner:
South San Francisco Unified School District
398 B Street
South San Francisco, CA 94080



Architect:
Quattrocchi Kwok Architects
636 Fifth Street
Santa Rosa, California 95404
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District's Project No.: 01-18
Architect's Project No.: 1277.04

To: Prospective Bidders

The following changes, modifications and additions to Project Manual and Drawings described below are made a part thereof and are subject to all of the requirements thereof as if originally specified. The Bidder must acknowledge receipt of the Addendum in the space provided on the Bid Form; failure to do so may subject the Bidder to disqualification.

Table of Contents - Addendum 01

Deleted Text is shown in ~~strikeout type.~~

Added Text is shown in ~~Underlined~~ ***bold italicized type.***

ATTACHMENTS:

Project Manual
None

Drawings: (30 inch by 42 inch)

ADD 02.01 C0.1 Abbreviations, Legend & Notes
ADD 02.02 C1.1 Demolition Plan
ADD 02.03 C2.1 Grading Plan
ADD 02.04 C3.1 Grading Plan
ADD 02.05 C4.1 Utility Plan
ADD 02.06 C5.1 Utility Plan
ADD 02.07 C6.1 Pavement Structural Section & Erosion Control Plan
ADD 02.08 C7.1 Layout, Signing & Striping Plan
ADD 02.09 C8.1 Details
ADD 02.10 C9.1 Details
ADD 02.11 C10.1 Details

ADD 02.12 L01.00 Material Legend & Plan
ADD 02.13 L02.00 Layout legend & Plan

ADD 02.14 A-1.1 Site Plan - Access
ADD 02.15 A-3.1 Reflected Ceiling Plan

ADD 02.17 E-0.2 Luminaire Schedule
ADD 02.18 E-2.1 Floor Plan Lighting
ADD 02.19 E-7.2 Details
ADD 02.20 FE-0.1 Fire Alarm Equipment List & General Notes
ADD 02.21 FE-1.1 – Site Plan Fire Alarm
ADD 02.22 FE-3.1 – Floor Plan Fire Alarm
ADD 02.23 FE-5.1 – Riser Diagram Fire Alarm
ADD 02.24 Fe-6.1 – Calculations Fire Alarm

ADD Drawings (8.5 inch by 11 inch & 11 inch by 17 inch)**:**
ADD 02.16 Building Sections

Project Record
None

End of Table of Contents

A. CHANGES TO PREVIOUS ADDENDA

Item No. 2.01
Delete Addendum Item 1.05. Specification Section 31 63 29 Drilled Piers is to remain as part of the project.

Item No. 2.02
Sheet A-3.1 Reflected Ceiling Plan
Revision to suspended ceiling grid layout and light locations: See Add 02.15

Item No. 2.03
A-6.1 Building Sections
Revision to light locations. See Add 02.16

B. CHANGES TO THE BIDDING AND CONTRACT REQUIREMENTS

None

C. CHANGES/ ADDITIONS TO THE SPECIFICATIONS

None

D. CHANGES/ ADDITIONS TO THE DRAWINGS

Item No. 2.04
Civil Sheets C_, describe work with provision of development of court north of building H2, which is Alternate 1 work, and is supplemented by description provided by other drawings. These documents were those originally approved by DSA.
Civil Sheets C_.1 have been provided to describe the basic scope of work.

Item No. 2.05
Sheet C0.1 Abbreviations, Legend & Notes
There are no changes to this sheet, from those indicted on sheet C0. See ADD 02.01

Item No. 2.06
Sheet C1.1 Demolition Plan
Modifications from sheet C1 include removed demotion work in courtyard area on north side of building H2. Maintain existing fencing around electrical equipment on the east side of the courtyard. See ADD 02.02

Item No. 2.07
Sheet C2.1 Grading Plan
Modifications from sheet C2 include remove courtyard concrete paving, type 4 18" wide curb, remove curbs around each tree planter box, remove stairs and handrails on north side of courtyard, add concrete valley gutter on west side of courtyard, add courtyard asphalt pavement conform from back of sidewalk to existing asphalt pavement within the courtyard. Lower curb grades along passenger drop off area on the north and west sides of the courtyard. See ADD 02.03

Item No. 2.08
Sheet C3.1 Grading Plan
Modifications from sheet C3 include remove courtyard concrete paving, type 4 18" wide curb, remove curbs around each tree planter box, remove stairs and handrails on north side of courtyard, add concrete valley gutter on west side of courtyard, add courtyard asphalt pavement conform from back of sidewalk to existing asphalt pavement within the courtyard. Lower curb grades along passenger drop off area on the north and west sides of the courtyard. See ADD 02.04

Item No. 2.09
Sheet C4.1 Utility Plan
Modifications from sheet C4 include remove courtyard storm drain improvements, tree planter box sub drain and storm drain inlets. Add SDDI 620 to the northwest corner of courtyard, upsize SDDI 611 to an 18"x18" box, remove atrium grate, upsize SDCB 609 to a 4A box, install 39' of class 50 DIP pipe north of SDDI 611, and install 32' of class 50 DIP pipe north of SDCB 609. See ADD 02.05

Item No. 2.10
Sheet C5.1 Utility Plan
Modifications from sheet C5 include remove courtyard storm drain improvements, tree planter box sub drain and storm drain inlets. Add SDDI 620 to the northwest corner of courtyard, upsize SDDI 611 to an 18"x18" box, remove atrium grate, upsize SDCB 609 to a 4A box, install 39' of class 50 DIP pipe north of SDDI 611, and install 32' of class 50 DIP pipe north of SDCB 609. See ADD 02.06

Item No. 2.11
Sheet C6.1 Pavement Structural Section & Erosion Control Plan.
Modifications from sheet C6 include remove courtyard pedestrian concrete paving, add asphalt overlay of area where existing portable existed within courtyard, add courtyard asphalt paving conform from back of sidewalk to existing courtyard asphalt.
See ADD 02.07

Item No. 2.12
Sheet C7.1 Layout, Signing & Striping Plan
Modifications from sheet C7 include remove layout information in courtyard area on north side of building H2. See ADD 02.08

Item No. 2.13
Sheet C8.1 Details
Modifications from sheet C8 include remove Skateboard Deterrent, Type 4 18" wide curb and sub drain details. See ADD 02.09

Item No. 2.14
Sheet C9.1 Details
There are no changes between sheets C9 and C9.1. See ADD 02.10

Item No. 2.15
Sheet C10.1 Details
There are no changes between sheets C10 and C10.1. See ADD 02.11

Item No. 2.16
Sheet L01.00 Materials Legend & Plan
Courtyard and north side of MPR building irrigation and planting is alternate 1 work.
For base bid remove courtyard and associated flatwork, walls, stairs/handrails, irrigation and planting within courtyard, as indicated and irrigation and planting along north side of MPR building. See ADD 02.12

Item No. 2.17
Sheet L02.00 Layout Legend & Plan
Courtyard is alternate 1 work
For base bid remove courtyard and associated flatwork. See ADD 02.13

Item No. 2.18
Sheet L03.00 Irrigation Legend & Notes
Calculations include Alternate 1 (Courtyard). Adjust calculations for base bid scope.

Item No. 2.19
Sheet L03.01 Irrigation Plan
For base bid, irrigation is to be capped at the West side of alternate 1 (courtyard) at the West side of the sidewalk aligned with the crosswalk. Provide (2) 3" sleeves through paved areas east of above mentioned sidewalk to allow future installation of irrigation indicated as part of alternate 1 work, including runs along the north side of the MPR building. Alternate 1 work provided for all irrigation shown on plans.

Item No. 2.20
Sheet L03.02 Irrigation Plan
For base bid, irrigation is to be capped at the West side of alternate 1 (courtyard) at the West side of the sidewalk aligned with the crosswalk. Provide (2) 3" sleeves through paved areas east of above mentioned sidewalk to allow future installation of irrigation indicated as part of alternate 1 work, including runs along the north side of the MPR building. Alternate 1 work shall provide all irrigation shown on plans.

Item No. 2.21
Sheet L05.00 Soil Prep Legend & Plan
For base bid eliminate all planting soil prep East of West side of crosswalk. Alternate 1 work shall provide all soils prep work shown on plans.

Item No. 2.22
Sheet L06.00 Planting Legend & Plan
Planting Legend includes Alternate 1 (Courtyard). Adjust planting legend for base bid scope.
For base bid, planting is to stop at a North/South line at the West side of the sidewalk aligned with the crosswalk. Alternate 1 work shall provide all irrigation shown on plans.

Item No. 2.23
Sheet L08.02 Construction Details
All Details on this sheet are related to Alternate 1 work. This work should not be included in base bid.

Item No. 2.24
Sheet L08.04 Construction Details
All Details on this sheet are related to Alternate 1. This work should not be included in base bid.

Item No. 2.25
Sheet L08.05 Construction Details
Detail 3, Stair Layout is related to only Alternate 1. The work related to this detail should not be included in base bid.

Item No. 2.26
Sheet L08.05 Construction Details
Detail 3, Stair Layout is related to Alternate 1 work. This should not be included in base bid.

Item No. 2.27
Sheet L08.06 Construction Details
All Details on this sheet are related only to Alternate 1. This work should not be included in base bid.

Item No. 2.28
Sheet A-1.1 SITE PLAN – ACCESS
Courtyard improvements indicated within dashed line is Alternate 1 work. Refer to sheets ADD 2.01 – 02.11 for further description of base bid work within dashed line perimeter. See ADD 02.14.

Item No. 2.29
Sheet A-3.1 - REFLECTED CEILING PLAN
Revision to grid and light locations: See ADD 02.15

Item No. 2.30
Sheet A-6.1 Building Sections
Revision to light locations. See ADD 2.16.

Item No. 2.31
Sheet E-0.2 – LUMINAIRE SCHEDULE
Remove Type AB1 from the luminaire schedule. See ADD 2.17.

Item No. 2.32
E-2.1 – FLOOR PLAN – LIGHTING
Provide lighting as indicated. Modifications clouded and marked delta 2. See ADD 2.18.

Item No. 2.33
E-7.2 – DETAILING
Delete detail 9.
Detail 5 revised to address suspended ceiling fixture mounting. See ADD 2.19.

Item No. 2.34
FE-0.1 – FIRE ALARM EQUIMENT LIST & GENERAL NOTES
Provide provisions as indicated related to CO detection requirements. Modifications clouded and marked delta 2. See ADD 2.20.

Item No. 2.35
FE-1.1 – SITE PLAN FIRE ALARM
Provide provisions as indicated related to CO detection requirements. Modifications clouded and marked delta 2. See ADD 2.21.

Item No. 2.36
FE-3.1 – FLOOR PLAN FIRE ALARM
Provide provisions as indicated related to CO detection requirements and above suspended ceiling detection. Modifications clouded and marked delta 2. See ADD 2.22.

Item No. 2.37
FE-5.1 – RISER DIAGRAM FIRE ALARM
Modifications to riser diagram clouded and marked delta 2. See ADD 2.23.

Item No. 2.38
FE-3.1 – CALCULATIONS FIRE ALARM
Modifications to calculations clouded and marked delta 2. See ADD 2.24.

E. BIDDERS QUESTIONS

None

END OF ADDENDUM

ABBREVIATIONS

AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
ACP	ASBESTOS CEMENT PIPE
AD	ALGEBRAIC DIFFERENCE
ADA	AMERICANS WITH DISABILITIES ACT
ADPT	ADAPTER
AGG	AGGREGATE
ALUM	ALUMINUM
AP	ANGLE POINT
APN	ASSESSORS PARCEL NUMBER
APPROX	APPROXIMATE
ARV	AIR RELEASE VALVE
AVE	AVENUE
BC	BEGIN HORIZONTAL CURVE
BLDG	BUILDING
BLVD	BOULEVARD
BM	BENCHMARK
BO	BLOWOFF
BV	BUTTERFLY VALVE
BVC	BEGIN VERTICAL CURVE
BW	BOTTOM OF WALL
B&R	BRELJE & RACE
CAV	COMBINATION AIR & VACUUM RELEASE VALVE
CB	CATCH BASIN
CBC	CALIFORNIA BUILDING CODE
CDF	CONTROLLED DENSITY FILL
CHK	CHECK
CIPP	CAST-IN-PLACE PIPE
℄	CENTERLINE
CL	CENTERLINE
CL	CLASS
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CMPA	CORRUGATED METAL PIPE ARCH
CO	CLEANOUT
COAX	COAXIAL CABLE
CONC	CONCRETE
COND	CONDUIT
COTG	CLEANOUT TO GRADE
CP	CONTROL POINT
CPLG	COUPLING
CR	CURB RETURN
CSP	CORRUGATED STEEL PIPE
CTR	CENTER
CY	CUBIC YARDS
C/C	CENTER TO CENTER
C&G	CURB AND GUTTER
DBL	DOUBLE
DCDC	DOUBLE CHECK DETECTOR CHECK
DDC	DOUBLE DETECTOR CHECK
DET	DETECTOR
DI	DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DR	DRIVE
DS	DOWNSTREAM
DWG	DRAWING
D/W	DRIVEWAY
E	EAST
EC	END HORIZONTAL CURVE
ECC	ECCENTRIC
EFFL	EFFLUENT (SEWER)
EG	EXISTING GROUND
EL	ELEVATION
ELEC	ELECTRICAL
ELL	ELBOW
EP	EDGE OF PAVEMENT
ESMT	EASEMENT
EVC	END VERTICAL CURVE
EW	EACH WAY
EX	EXISTING
EXIST	EXISTING
FC	FACE OF CURB
FCA	FLANGED COUPLING ADAPTER
FDC	FIRE DEPARTMENT CONNECTION
FES	FLARED END SECTION
FF	FINISHED FLOOR
FG	FINISHED GRADE
FH	FIRE HYDRANT
FL (symbol)	FLOWLINE
FL	FLOWLINE
FLG	FLANGE
FLSO	FLOWLINE OF SIDE OPENING
FLEX	FLEXIBLE
FM	FORCE MAIN (PRESSURE)
FRP	FIBERGLASS REINFORCED PLASTIC
FT	FEET
FTG	FOOTING
GALV	GALVANIZED
GB	GRADE BREAK
GPM	GALLONS PER MINUTE
GRD	GROUND
GSP	GALVANIZED STEEL PIPE
GV	GAS VALVE
GV	GATE VALVE
HB	HOSE BIBB
HB	HEADER BOARD
HDG	HOT DIPPED GALVANIZED
HDPE	HIGH DENSITY POLYETHYLENE
HP	HIGH POINT
HPG	HIGH PRESSURE GAS
HWY	HIGHWAY
ICV	IRRIGATION CONTROL VALVE
ID	INSIDE DIAMETER
INV	INVERT
IP	IRON PIPE
IPS	IRON PIPE SIZE
IRR	IRRIGATION
ISA	INTERNATIONAL SIGN ASSOCIATION
JP	JOINT POLE
JT	JOINT TRENCH
L	ARC LENGTH
L	LENGTH
LF	LINEAL FEET
LG	LIP OF GARAGE
LP	LOW POINT
LT	LEFT
MAX	MAXIMUM
MBGR	METAL BEAM GUARD RAIL
MFR	MANUFACTURE
MG	MILLION GALLONS
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MJ	MECHANICAL JOINT
MSL	MEAN SEA LEVEL
N	NORTH
NO	NUMBER
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NPT	NATIONAL PIPE THREAD
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OZ	OUNCE
PA	PLANTER AREA
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PCC	PORTLAND CEMENT CONCRETE
PD	PLANTER DRAIN
PE	PLAIN END
PG	PAD GRADE
PIV	POST INDICATOR VALVE
PL (symbol)	PROPERTY LINE
PN	PAVING NOTCH
POC	POINT OF CONNECTION
POC	POINT ON CURVE
POS	PRIVATE OPEN SPACE
POT	POINT ON TANGENT
PP	POWER POLE
PRC	POINT OF REVERSE CURVATURE
PRV	PRESSURE REDUCING VALVE
PSI	POUND PER SQUARE INCH
PSV	PRESSURE SUSTAINING VALVE
PT	POINT OF TANGENCY
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
PWE	PUBLIC WATER EASEMENT
R	RADIUS
RC	RELATIVE COMPACTION
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
RD	ROOF DRAIN
RED	REDUCER
REF	REFERENCE
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
RSC	REMOTE SUPERVISORY CONTROL
RT	RIGHT
RT	RING TIGHT
RW	RECLAIMED WATER
R/W	RIGHT OF WAY
S	SOUTH
S	SLOPE
S.A.D.	SEE ARCHITECTURAL DRAWINGS
SCADA	SUPERVISORY CONTROL & DATA ACQUISITION
SCH	SCHEDULE
SD	STORM DRAIN
SDCB	STORM DRAIN CATCH BASIN
SDCO	STORM DRAIN CLEANOUT
SDDI	STORM DRAIN DROP INLET
SDE	STORM DRAIN EASEMENT
SDMH	STORM DRAIN MANHOLE
SE	SEWER EASEMENT
S.E.D.	SEE ELECTRICAL DRAWINGS
SF	SQUARE FEET
S.L.D.	SEE LANDSCAPE DRAWINGS
SOF	SLIP ON FLANGE
SO	SIDE OPENING (SD)
S.P.D.	SEE PLUMBING DRAWINGS
SPEC	SPECIFICATION
SS	STAINLESS STEEL
SS	SANITARY SEWER
SSCO	SANITARY SEWER CLEANOUT
S.S.D.	SEE STRUCTURAL DRAWINGS
SSMH	SANITARY SEWER MANHOLE
ST	STREET
STA	STATION
STD	STANDARD
STL	STEEL
SVC	SERVICE
SWE	SIDEWALK EASEMENT
SY	SQUARE YARDS
S/W	SIDEWALK
T	TANGENT
TAN	TANGENT
TB	TOP OF BOX
TC	TOP OF CURB
TCE	TEMPORARY CONSTRUCTION EASEMENT
TD	TOP OF DIKE
TEL	TELEPHONE
TEMP	TEMPORARY
TF	TOP OF FOUNDATION
TG	TOP OF GRATE
THD	THREADED
TW	TOP OF WALL
TYP	TYPICAL
UFFG	UNDER FLOOR FINISHED GRADE
UNO	UNLESS NOTED OTHERWISE
VC	VERTICAL CURVE
W	WEST
W	WATER
WM	WATER METER
WNF	WELD NECK FLANGE
WS	WATER SERVICE
WT	WEIGHT
WV	WATER VALVE
°	DEGREES
'	MINUTES
"	SECONDS
Δ	DELTA
&	AND
@	AT
#	NUMBER
#	POUNDS
%	PERCENT

FEMA INFORMATION

THE APPLICABLE FIRM FOR THIS SITE IS PANEL NO. 0041E, MAP NUMBER 06081C0041E, DATED OCTOBER 16, 2012. THIS SITE IS LOCATED IN ZONE X.

LIST OF CODES AND STANDARDS MODEL CODE EDITIONS EFFECTIVE JANUARY 1, 2017

2016 CA BUILDING STANDARDS ADMINISTRATIVE CODE
2016 CA BUILDING CODE VOLUME #1 AND #2
2016 CA ELECTRICAL CODE
2016 CA MECHANICAL CODE
2016 CA PLUMBING CODE
2016 CA ENERGY CODE
2016 CA FIRE CODE
2016 CA GREEN BUILDING STANDARDS CODE (CAL GREEN)
CALIFORNIA CODE OF REGULATIONS TITLE 19 PUBLIC SAFETY CODE 2010 ADA STANDARDS FOR ACCESSIBILITY DESIGN.
*FOR A FULL LIST OF STANDARDS CURRENTLY ADOPTED BY THE STATE OF CALIFORNIA, SEE CBC CHAPTER 35 AND CFC CHAPTER 80. CURRENT REFERENCE STANDARDS APPLICABLE TO FIRE AND LIFE SAFETY, INCLUDED BUT NOT LIMITED TO THE FOLLOWING:

2016 NFPA 13 INSTALLATION OF FIRE SPRINKLER SYSTEM (CA AMENDED)
2016 NFPA 14 INSTALLATION OF STANDPIPE, PRIVATE HYDRANT AND HOSE SYSTEMS (CA AMENDED)
2016 NFPA 17 DRY CHEMICAL EXTINGUISHING SYSTEMS
2016 NFPA 17A WET CHEMICAL FIRE EXTINGUISHING SYSTEMS
2016 NFPA 20 INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION
2016 NFPA 24 INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES (CA AMENDED)
2016 NFPA 25 CALIFORNIA EDITION-TESTING, MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS.
2016 NFPA 72 NATIONAL FIRE ALARM CODE (CA AMENDED)
2016 NFPA 110 EMERGENCY AND STANDBY POWER SYSTEMS
2001, 2015 EDITION NFPA-CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CA AMENDED)
2012 ICC 300-12 STANDARD FOR BLEACHERS, FOLDING AND TELESCOPIC SEATING AND GRANDSTANDS

BENCHMARK

NAME: BENCHMARK #1410
DATUM: CITY OF SOUTH SAN FRANCISCO
ELEVATION: 117.37'
DESCRIPTION: CONCRETE MONUMENT IN MONUMENT WELL AT THE INTERSECTION OF EUCALYPTUS AVENUE AND COTTONWOOD AVENUE.

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY WERE DERIVED FROM THE CALIFORNIA COORDINATES SYSTEM ZONE 3 (NAD 83), USING REAL-TIME KINEMATIC GLOBAL POSITIONING SYSTEMS METHODS.

LEGEND

LINES

BOUNDARY
PARCEL
CENTER
EASEMENT

UTILITY LINES

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

TOPOGRAPHY

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

GENERAL NOTES

1. ANY DISCREPANCY DISCOVERED BY CONTRACTOR IN THESE PLANS OR ANY FIELD CONDITIONS DISCOVERED BY CONTRACTOR THAT MAY DELAY OR OBSTRUCT THE PROPER COMPLETION OF THE WORK PER THESE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND THE OWNER IMMEDIATELY UPON DISCOVERY. SAID NOTIFICATION SHALL BE IN WRITING.
2. ALL MATERIAL WORKMANSHIP AND CONSTRUCTION SHALL CONFORM TO THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS AND STANDARD PLANS, LATEST EDITION, AND THE STANDARD SPECIFICATIONS OF THE CITY OF SOUTH SAN FRANCISCO, LATEST EDITION, AND APPLICABLE UTILITY COMPANIES EXCEPT AS NOTED ON THE PLANS.
3. CONTRACTOR SHALL OBTAIN ALL AGENCIES' REQUIRED PERMITS AND PAY ALL FEES PRIOR TO COMMENCEMENT OF ANY WORK. ALL COSTS ASSOCIATED WITH OBTAINING PERMITS SHALL BE INCLUDED IN THE CONTRACT BID PRICE.
4. GRADE BREAKS ON CURBS AND SIDEWALKS SHALL BE ROUNDED OFF IN FORMS AND SURFACE FINISHING.
5. 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 ARCHITECT AND HIS CONSULTANTS, AND THE SOUTH SAN FRANCISCO SCHOOL DISTRICT, AND EACH OF THEIR OFFICERS, EMPLOYEES AND AGENTS.
6. THE LOCATION AND EXTENT OF ALL BACKGROUND DATA, EXISTING LINE WORK, EXISTING CONTOUR ELEVATIONS AND EXISTING UTILITY FACILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND ARE BASED ON SITE OBSERVATIONS, AERIAL PHOTOS, AS-BUILTS AND TOPOGRAPHIC AND FIELD SURVEY DATA. 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.
7. 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. PROVIDE GRADING PERMIT OR LETTER OF ACCEPTING MATERIAL BY PROPERTY OWNER PRIOR TO OBTAINING BUILDING PERMIT FOR ANY EXPORT MATERIALS.
8. AT ALL TIMES DURING CONSTRUCTION AND UNTIL FINAL COMPLETION, THE CONTRACTOR, AND HIS SUBCONTRACTORS, SHALL PREVENT ANY DUST NUISANCE BY WATERING AND/OR TREATING THE SITE WITH AN APPROVED DUST CONTROL PALLIATIVE.
9. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING NOISE, ODORS, DUST AND DEBRIS TO MINIMIZE IMPACTS ON SURROUNDING ROADWAYS AND PROPERTIES.
10. CONTRACTOR SHALL BE RESPONSIBLE THAT ALL CONSTRUCTION EQUIPMENT IS EQUIPPED WITH MANUFACTURER APPROVED MUFFLERS/BAFFLES.
11. AN ENCROACHMENT PERMIT MUST BE OBTAINED FROM THE DEPARTMENT OF PUBLIC WORKS PRIOR TO BEGINNING ANY WORK WITHIN THE PUBLIC RIGHT-OF-WAY OR FOR ANY WORK ON UTILITIES LOCATED WITHIN PUBLIC EASEMENTS.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE OR DETERIORATION OCCURRING TO EXISTING PUBLIC IMPROVEMENTS AS A DIRECT RESULT OF CONSTRUCTION ACTIVITY RELATED TO CONSTRUCTION OF THE COMMON IMPROVEMENTS (GRADING, ROAD CONSTRUCTION, UTILITY INSTALLATION, ETC.). REQUIRED REPAIR MAY INVOLVE PATCHING, SEALING, OR OVERLAYING AFFECTED AREAS AS APPROPRIATE TO RETURN THE ROADS TO AS GOOD A CONDITION AS THEY WERE IN PRIOR TO CONSTRUCTION.
13. 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".
14. 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.
15. CONSTRUCTION STAKING SHALL BE DONE BY A CIVIL ENGINEER OR LAND SURVEYOR REGISTERED IN THE STATE OF CALIFORNIA. CONTRACTOR SHALL REQUEST STAKING SERVICES AT LEAST TWO (2) WORKING DAYS PRIOR TO THE DATE STAKING IS NEEDED.
16. PERMANENT MONUMENTS DISTRIBUTED DURING THE PROCESS OF CONSTRUCTION SHALL BE RESET BY A LICENSED LAND SURVEYOR AT THE CONTRACTORS EXPENSE BEFORE ACCEPTANCE OF THE IMPROVEMENTS BY THE ENGINEER.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL PREPARE A TRAFFIC CONTROL PLAN AND OBTAIN APPROVAL FROM THE CITY BEFORE COMMENCING WORK. THE CONTRACTOR SHALL ALSO PROVIDE FLAGMEN, CONES OR BARRICADES, AS NECESSARY, TO CONTROL TRAFFIC AND PREVENT HAZARDOUS CONDITIONS PER THE WORK AREA TRAFFIC CONTROL HANDBOOK, PUBLISHED BY BUILDING NEWS INC. (213) 870-9871, AND PER CITY REQUIREMENTS. THE CONTRACTOR SHALL LEAVE A 24-HOUR EMERGENCY TELEPHONE NUMBER WITH POLICE, FIRE AND PUBLIC WORKS DEPARTMENTS AND KEEP THEM INFORMED DAILY OF DETOURS.
18. EXISTING PUBLIC PEDESTRIAN WALKWAYS, BIKE PATHS AND ACCESSIBLE ACCESS PATHWAYS SHALL BE MAINTAINED DURING CONSTRUCTION TO THE SATISFACTION OF THE CITY ENGINEER.
19. SHOULD IT APPEAR TO THE CONTRACTOR THAT THE WORK OUTLINED ON THESE PLANS IS NOT SUFFICIENTLY DETAILED OR SPECIFIED IN THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OR CIVIL DESIGN ENGINEER, BRELJE AND RACE CONSULTING CIVIL ENGINEERS AT (707) 576-1322, BEFORE PROCEEDING WITH THE WORK IN QUESTION AND REQUEST CLARIFICATION.
20. WHEN SPECIFICATIONS OR STANDARDS FROM DIFFERENT AUTHORITIES DIFFER FOR THE SAME OBJECT, NOTIFY THE OWNER AND REQUEST CLARIFICATION.
21. ARTICLE 87 OF THE UFC SHALL BE FOLLOWED FOR AREAS UNDER CONSTRUCTION. CONTACT THE LOCAL FIRE AUTHORITY FOR SPECIFIC REQUIREMENTS FOR BUILDINGS UNDER CONSTRUCTION.
22. THE CONTRACTOR SHALL BE AWARE THAT DEWATERING ACTIVITIES SHALL COMPLY WITH THE CONDITIONS OF THE BAY AREA REGIONAL WATER QUALITY CONTROL BOARD GENERAL PERMIT FOR CONSTRUCTION SITES.

GENERAL UNDERGROUND NOTES

1. 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 ENGINEERS ASSUME NO RESPONSIBILITY FOR ANY OBSTRUCTIONS EITHER SHOWN OR NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY COMPANIES WORKING WITHIN THE LIMITS OF THIS PROJECT.
2. 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.
3. UNDERGROUND SERVICE ALERT: CALL TOLL FREE (800) 227-2600 AT LEAST 48 HOURS PRIOR TO EXCAVATION.
4. CONTRACTOR SHALL UNCOVER EXISTING BURIED UTILITIES, INCLUDING STUBS PROVIDED BY THE DEVELOPER OF THE ADJACENT SUBDIVISION OR UTILITY OWNER TO VERIFY LOCATIONS AND ELEVATIONS OF UTILITIES. BURIED UTILITIES INCLUDE BUT ARE NOT LIMITED TO WATER MAINS AND LATERALS, SEWER LINES, 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.
5. 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 SEWER CONSTRUCTION ACCORDINGLY WITH CONCURRENCE FROM THE ENGINEER.
6. DISTANCES AND INVERTS ARE TO AND AT THE CENTER OF THE MANHOLES, CLEANOUTS, DROP INLETS, CATCH BASINS, AND YARD DRAINS OR AS MARKED ON THE DRAWINGS.
7. ALL UNDERGROUND IMPROVEMENTS SHALL BE INSTALLED AND APPROVED PRIOR TO PAVING.
8. ALL WORK ON THE FIRE SYSTEM SHALL COMPLY WITH CALIFORNIA WATER COMPANY BAYSHORE DISTRICT, LOCAL FIRE DISTRICT, AND NFPA24 REQUIREMENTS.
9. ALL SEWER PIPING AND FITTINGS SHALL BE PVC SDR 26. SEWER PIPE AND FITTINGS WITHIN THE PUBLIC RIGHT OF WAY SHALL MEET THE CITY OF SOUTH SAN FRANCISCO SANITARY DISTRICT STANDARDS.
10. ALL SANITARY SEWER CLEANOUTS SHALL BE CONSTRUCTED PER THE CITY OF SOUTH SAN FRANCISCO CLEANOUT STANDARDS. RAISED LETTER ON TOP OF THE COVER SHALL READ "SEWER".
11. UTILITIES SHALL NOT BE LOCATED IN THE INFLUENCE ZONE OF ADJACENT STRUCTURAL FOUNDATIONS. TOP OF FOOTING ELEVATIONS SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR AS DESCRIBED ON THE ARCHITECTURAL PLANS. THE CONTRACTOR SHALL TAKE INTO ACCOUNT THE LOCATION AND ELEVATION OF UTILITIES LOCATED ADJACENT TO STRUCTURAL FOUNDATIONS AND SET TOP OF FOOTING ELEVATION OF SUFFICIENT DEPTH TO AVOID CREATING A CONDITION WHERE THE ADJACENT UTILITY LINE WILL LIE WITHIN THE INFLUENCE ZONE OF THE STRUCTURAL FOUNDATION.
12. LOCATION, SIZE AND INVERT ELEVATION DATA SHOWN FOR EXISTING UTILITY FACILITIES ARE BASED ON RECORD, TOPOGRAPHIC & FIELD SURVEY DATA PROVIDED BY SANDIS, 936 EAST DUANE AVE., SUNNYVALE, CA 94085. CONTRACTOR MUST POTHOLE 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.
13. A MINIMUM OF 6" CLEARANCE SHALL BE PROVIDED AT ALL PIPE UTILITY CROSSING POINTS. WHERE WATER MAIN CROSS SEWER OR STORM DRAIN PROVIDE A MINIMUM OF 12" CLEARANCE.
14. UTILITY TRENCHES SHOULD BE SEALED WITH CONCRETE, CLAYEY SOIL, SAND-CEMENT SLURRY, OR CONTROLLED DENSITY FILL (CDF) WHERE THE UTILITY ENTERS THE BUILDING UNDER THE PERIMETER FOUNDATION, TO REDUCE THE POTENTIAL OF WATER BENEATH THE BUILDING.
15. 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.
16. CONTACT CITY (CITY OF SOUTH SAN FRANCISCO PUBLIC WORKS (650)-877-8550) WITHIN 48 HOUR NOTICE BEFORE UNDERTAKING ANY WORK WITHIN THE CITY OF SOUTH SAN FRANCISCO RIGHT OF WAY.

GRADING NOTES

1. ALL GRADING SHALL CONFORM TO THE REQUIREMENTS OF THE GEOTECHNICAL INVESTIGATION PREPARED FOR THIS PROJECT BY GEOSPHERE CONSULTANTS INC., ENTITLED GEOTECHNICAL ENGINEERING AND GEOLOGIC HAZARDS STUDY, PARKWAY HEIGHTS MIDDLE SCHOOL, DATED JANUARY 30, 2013 AND ADDENDUM #1 TO THE GEOTECHNICAL ENGINEERING AND GEOLOGIC HAZARDS STUDY BY GEOSPHERE CONSULTANTS INC. DATED DECEMBER 6, 2013.
2. NO WORK SHALL COMMENCE UNTIL THE CONTRACTOR, GRADING CONTRACTOR, AND ALL RELATED SUBCONTRACTORS HAVE OBTAINED A COPY OF THE GEOTECHNICAL INVESTIGATION REPORT AND ANY ADDITIONAL GEOTECHNICAL RECOMMENDATIONS FOR THIS PROJECT. COPIES OF THIS REPORT AND ADDITIONAL LETTERS ARE AVAILABLE AT THE ARCHITECT'S OFFICE. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THIS REFERENCED REPORT AND ALL SUBSEQUENT GEOTECHNICAL REPORTS, INVESTIGATION, TESTS AND ANY OTHER DOCUMENTS PREPARED BY THE GEOTECHNICAL ENGINEER AND ALSO IN ACCORDANCE WITH THE GRADING PLANS PREPARED BY BRELJE & RACE AND APPENDIX CHAPTER 33A OF THE CALIFORNIA BUILDING CODE.
3. 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. AT THE CONTRACTORS OPTION, THE DEMOLISHED EXISTING ASPHALT PAVEMENT AND AGGREGATE BASE ROCK MAY BE GROUND DOWN AND STOCKPILED AND REUSED AS RECYCLED AS CLASS II BASE ROCK UNDER PROPOSED ASPHALT AND CONCRETE FLATWORK AREAS OR AS SELECT FILL PROVIDED IT IS APPROVED BY THE PROJECT GEOTECHNICAL ENGINEER AND MATERIAL MEETS THE GRADATION AND STRENGTH REQUIREMENTS OF VIRGIN MATERIAL. RECYCLED ASPHALT PAVEMENT AND BASE ROCK CANNOT BE UNDER OR WITHIN 5' OF THE LIMITS OF THE PROPOSED BUILDING FOUNDATIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE QUANTITY OF RECYCLED CLASS 2 AGGREGATE BASE ROCK THAT CAN BE GENERATED AND THE QUANTITY REQUIRED FOR THE PROPOSED IMPROVEMENTS. ANY EXCESS DEMOLISHED ASPHALT AND AGGREGATE BASE SHALL BE HAULED FROM THE SITE AND IS THE PROPERTY OF THE CONTRACTOR.
4. AREAS TO BE GRADED SHOULD BE STRIPPED OF THE UPPER FEW INCHES OF SOIL CONTAINING ORGANIC MATTER. ACTUAL STRIPPING DEPTH SHOULD BE DETERMINED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER IN THE FIELD AT THE TIME OF STRIPPING. THE STRIPPINGS SHOULD BE REMOVED FROM THE SITE. SITE STRIPPINGS AND GRUBBED MATERIALS ARE NOT SUITABLE FOR RE-USE AS ENGINEERED FILL AND SHOULD BE REMOVED FROM THE SITE OR STOCKPILED FROM THE SITE OR STOCKPILED FOR LATER USE AS LANDSCAPE FILL (AT THE DISTRICT'S DISCRETION).
5. IN GENERAL, CUT AND FILL SLOPES SHOULD BE NO STEEPER THAN 2:1.
6. UNDER EXTERIOR CONCRETE AREAS: FOLLOWING DEMOLITION OF THE ENTIRE AREA WITHIN THE PROPOSED HARDSCAPE AREAS, THE EXPOSED UNDERLYING SOILS SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 8 INCHES, MOISTENED TO NEAR OPTIMUM CONTENT AND RECOMPACTED TO AT LEAST 90% RELATIVE COMPACTION. IF LOOSE OR SOFT SOIL IS ENCOUNTER, THESE SHOULD BE REMOVED TO EXPOSE FIRM SOIL AND BACKFILLED WITH SELECT FILL MOISTENED TO NEAR OPTIMUM MOISTURE CONTENT AND RE-COMPACTED TO AT LEAST 90% RELATIVE COMPACTION. REFER TO THE GEOTECHNICAL INVESTIGATION REPORT FOR FURTHER REQUIREMENTS.
7. UNDER PAVED CONCRETE AND ASPHALT VEHICULAR AREAS: FOLLOWING DEMOLITION OF THE ENTIRE AREA WITHIN THE PROPOSED PAVED TRAFFIC AREAS AND 1' BEYOND THE LIMITS OF THE PAVED AREAS, THE EXPOSED UNDERLYING SOILS SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 8 INCHES, MOISTENED TO NEAR OPTIMUM CONTENT AND RECOMPACTED TO AT LEAST 95% RELATIVE COMPACTION. IF LOOSE OR SOFT SOIL IS ENCOUNTER, THESE SHOULD BE REMOVED TO EXPOSE FIRM SOIL AND BACKFILLED WITH SELECT FILL MOISTENED TO NEAR OPTIMUM MOISTURE CONTENT AND RE-COMPACTED TO AT LEAST 95% RELATIVE COMPACTION. PROOF ROLL EXPOSED SUBGRADE TO A FIRM AND UNYIELDING SURFACE UNDER THE OBSERVATION OF THE PROJECT GEOTECHNICAL ENGINEER OR HIS DESIGNATED REPRESENTATIVE PRIOR TO THE PLACEMENT OF AGGREGATE BASE. PLACEMENT OF A SUITABLE GEOTEXTILE FOR STABILIZATION MAY BE REQUIRED. SOFT SPOTS OR AREAS OF PUMPING MAY REQUIRE OVEREXCAVATION AND REPLACEMENT WITH SUITABLE MATERIAL. REFER TO THE GEOTECHNICAL INVESTIGATION REPORT FOR FURTHER REQUIREMENTS.
8. ALL IMPORT MATERIAL (SELECT FILL) SHALL BE NON-EXPANSIVE CLEAN, FREE OF ORGANIC MATERIAL. LUMPS AND ROCKS GREATER THAN THREE INCHES IN DIAMETER. IMPORTED SOIL SHOULD BE NON-EXPANSIVE, HAVING A PLASTICITY INDEX OF 15 R LESS, AN R-VALUE GREATER THAN 40, AND CONTAIN AT LEAST 10 PERCENT FINES SO THE SOIL CAN BIND TOGETHER. IMPORT FILL MATERIAL SHOULD BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO USE ON SITE. AT THE CONTRACTORS OPTION, THE DEMOLISHED EXISTING ASPHALT PAVEMENT AND AGGREGATE BASE ROCK MAY BE GROUND DOWN AND STOCKPILED AND REUSED AS SELECT FILL PROVIDED IT MEETS THE REQUIREMENTS FOR SELECT FILL LISTED ABOVE AND IT IS APPROVED BY THE PROJECT GEOTECHNICAL ENGINEER. RECYCLED ASPHALT PAVEMENT AND BASE ROCK CANNOT BE UNDER OR WITHIN 5' OF THE LIMITS OF THE PROPOSED BUILDING FOUNDATIONS.
9. FROM A GEOTECHNICAL STANDPOINT, ONSITE MATERIALS CAN BE REUSED AS FILL IF THEY MEET OR CAN BE PROCESSED (E.G. BY SORTING AND /OR CRUSHING) TO MEET THE ABOVE REQUIREMENTS. PROPOSED FILL MATERIAL WILL NEED TO BE APPROVED BY THE PROJECT GEOTECHNICAL ENGINEER PRIOR TO THEIR USE. IMPORTED FILL MATERIALS WILL NEED TO BE APPROVED BY PROJECT GEOTECHNICAL ENGINEER PRIOR TO THEIR IMPORTATION TO THE SITE. THE DISTRICT MAY ALSO REQUIRE THAT CERTAIN FILL MATERIALS BE PRE-APPROVED BY THE PROJECT ENVIRONMENTAL CONSULTANT. REFER TO THE GEOTECHNICAL INVESTIGATION REPORT FOR FURTHER IMPORT FILL REQUIREMENTS.
10. FILL MAY BE PLACED ON COMPETENT, NEAR-HORIZONTAL SUBGRADE SURFACES THAT HAVE BEEN APPROVED BY PROJECT GEOTECHNICAL ENGINEER, FILL SHOULD BE PLACED IN THIN NEAR-HORIZONTIAL LIFTS THAT DO NOT EXCEED 8 INCHES IN UN COMPACTED THICKNESS. FILL SHOULD BE MOISTURE CONDITIONED, AS NECESSARY, TO NEAR OPTIMUM MOISTURE CONTENT AND COMPACTED USING MECHANICAL MEANS TO AT LEAST 90% RELATIVE COMPACTION BUILDING PAD AREAS AND EXTERIOR CONCRETE AREAS, 95% RELATIVE COMPACTION IN VEHICULAR CONCRETE AREAS AND IN ASPHALT PAVEMENT AREAS.
11. 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.

STORM DRAIN NOTES

1. STORM DRAIN CONDUITS SHALL BE EITHER PVC, SDR 26, OR H.D.P.E, ADS (N-12), PLASTIC STORM DRAIN CONDUIT WITH SILT TIGHT GASKETED COUPLINGS CONFORMING TO CALTRANS STANDARD SPECIFICATIONS SECTION 64. EXCAVATION AND BACKFILL FOR PLASTIC PIPE SHALL CONFORM TO THE PROVISIONS IN SECTION 19-3 OF THE CALTRANS STANDARD SPECIFICATIONS DATED JULY 1992,IN ADDITION PIPE BACKFILL MATERIAL, FILLED AND COMPACTED TO THE SPRING LINE OF THE PIPE, SHALL CONFORM TO THE SPECIFICATIONS.
2. DRAINAGE STRUCTURE GRATES SHALL BE GALVANIZED STEEL, SIZED FOR THE STRUCTURE AS SHOWN ON THE PLANS. GRATES SHALL BE BOLT DOWN TYPE, WITH MAXIMUM 1/2" WIDTH OPENINGS IN PEDESTRIAN AREAS, ORIENTED PERPENDICULAR TO THE PATH OF TRAVEL. GRATES IN PAVED AREAS SHALL BE HEAVY DUTY H-20 TRAFFIC RATED, GRATES IN LANDSCAPED AREAS SHOULD HAVE STANDARD OPENINGS. WHERE SHOWN ON THE PLANS SELECT DRAINAGE INLETS SHALL HAVE BOLT DOWN GALVANIZED STEEL ATRIUM GRATES. DRAINAGE STRUCTURE INSIDE DIMENSIONS ARE SHOWN IN PLAN VIEW (I.E. 1212= A 12"X12" INSIDE DIMENSION OF THE STORM DRAIN STRUCTURE). ACCEPTABLE MANUFACTURES ARE OLDCASTLE PRECAST, US CONCRETE OR CENTRAL PRECAST. DRAINAGE STRUCTURES LABELED AS P4, P6, OR P8 SHALL BE DURA DRAIN P-SERIES AREA DRAINS MANUFACTURED BY OLDCASTLE PRECAST INC.
3. ALL STORM DRAIN MANHOLES SHALL BE A MINIMUM OF 48" IN DIAMETER AND BE CONSTRUCTED PER THE CITY OF SOUTH SAN FRANCISCO PRECAST MANHOLE STANDARDS. RAISED LETTER ON TOP OF THE COVER SHALL READ "STORM DRAIN". PIPES SHALL BE FLUSH WITH INSIDE OF MANHOLE.
4. ALL STORM DRAIN CATCH BASINS SHALL BE PRECAST CONCRETE CURB INLETS (OLDCASTLE PRECAST P2430CI OR APPROVED EQUIVALENT) WITH 24" DIAMETER CAST IRON COVER AND GUARD BAR AT MID HEIGHT OF THE OPENING.
5. VERTICAL CONTROL OF PIPE LAYING MAY BE BY EITHER (A) "BATTER BOARDS", STRING LINE AND GRADE ROD, OR (B) BY LASER BEAM.
6. ALL STORM DRAIN PIPE LENGTHS SHOWN ARE MEASURED HORIZONTALLY FROM CENTER TO CENTER OF ALL STRUCTURES.
7. CURVES IN THE STORM DRAIN ALIGNMENTS SHALL MEET THE MINIMUM RADIUS FOR THE TYPE OF MATERIAL PLACED. PIPE JOINTS SHALL NOT BE DEFLECTED BEYOND THE MANUFACTURER'S RECOMMENDATIONS.
8. WALL SUBDRAINS SHALL BE A MINIMUM OF 3" IN DIAMETER AND BE RIGID PERFORATED PVC SDR26 OR SCH 40 PIPE ONLY. SUBDRAINS SHALL BE INSTALLED WITH PERFORATIONS FACING DOWN. SUBDRAIN COLLECTOR PIPE SHALL BE A MINIMUM OF 4" IN DIAMETER AND BE SOLID RIGID PVC SDR 26 OR SCH 40 PVC PIPE AND BE SLOPED AT A MINIMUM OF 2% SLOPE TO DRAIN.

WATER SYSTEM NOTES

1. CONTRACTOR TO COORDINATE WATER MAIN CONSTRUCTION IN A MANNER TO PREVENT ANY CONFLICTS WHERE UTILITY LINES CROSS EACH OTHER.
2. ALL WORK SHALL COMPLY WITH THE STANDARD PROCEDURES, SPECIFICATIONS AND DRAWINGS OF THE CALIFORNIA WATER COMPANY BAYSHORE DISTRICT.
3. UNLESS OTHERWISE SPECIFIED, ALL FIRE MAINS MUST BE PVC C900, DR14 (CL200).
4. DOMESTIC WATER PIPING AND FITTINGS 3" DIAMETER AND SMALLER SHALL BE SCH 80 PVC. VALVES 3" DIAMETER AND SMALLER SHALL BE SCH 80 PVC BALL VALVES OR BRONZE BODY BALL VALVES. VALVES SHALL BE INSTALLED IN A CHRISTY G5 VALVE BOX.
5. DOMESTIC WATER PIPING 4" DIAMETER AND LARGER SHALL BE PVC C900, DR 18 (CL150) PIPE. DOMESTIC WATER PIPE FITTINGS 4" DIAMETER AND LARGER SHALL BE DUCTILE IRON, 350 PSI WORKING PRESSURE, MATERIALS AND WALL THICKNESS SHALL BE IN ACCORDANCE WITH AWWA C110 AND ANSI/AWWA C111 FOR 350 WORKING PRESSURE. WATER PIPE FITTINGS 4" DIAMETER AND LARGER SHALL BE RESTRAINED WITH CONCRETE TRUST BLOCKS. IN LIEU OF CONCRETE THRUST BLOCKS RESTRAINED JOINTS CAN BE USED IF THE CONTRACTOR PROVIDES RESTRAINT CALCULATIONS. PIPE JOINTS SHALL BE RESTRAINED WITH EBAA IRON SERIES 2000PV OR EBAA IRON MEGALUG SERIES 1100 PIPE RESTRAINTS AND EBAA IRON SERIES 1500TD BELL RESTRAINT HARNESS. VALVES 4" DIAMETER AND LARGER SHALL BE UL LISTED OR FM APPROVED AWWA TYPE C509 IRON BODY, NON-INDICATING, RESILIENT WEDGE OR RESILIENT SEAT, NO RISING STEM GATE VALVES, SUITABLE FOR 250 PSI MINIMUM WORKING PRESSURE.
6. CUT-INS AND TIE-INS TO BE CALIFORNIA WATER COMPANY BAYSHORE DISTRICT WATER LINES SHALL BE PREFORMED AND CONSTRUCTED BY WATER DISTRICT FORCES AND PAID FOR BY SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT. THE CALIFORNIA WATER COMPANY WILL OBTAIN A ENCROACHMENT PERMIT TO PERFORM ALL WORK ASSOCIATED WITH WATER LINE WITHIN THE PUBLIC RIGHT OF WAY. CONTACT CALIFORNIA WATER COMPANY (LEIGHTON LOW) TO COORDINATE ALL WORK ON THE CALIFORNIA WATER COMPANY WATER LINES (650)-558-7862.

ROOF DRAIN NOTES

1. SEE PLUMBING PLANS FOR INDIVIDUAL BUILDINGS FOR CONNECTION DETAILS, EXACT LOCATION, AND ELEVATION OF ROOF DRAINS. THESE DRAINS SHALL BE CONNECTED TO THE ONSITE STORM DRAIN SYSTEM AS SHOWN OR IMPLIED ON CIVIL DRAWINGS WITH A 2% MIN. SLOPE. THE INTENT OF THIS PLAN IS TO CONVEY ROOF DRAINAGE FROM CONNECTION POINTS PROVIDED IN ARCHITECTURAL PLANS. IF THE ROOF DRAIN SYSTEM SHOWN HEREON IS CONSTRUCTED IN ADVANCE OF BUILDING STUBS BEING CONSTRUCTED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY NECESSARY ADJUSTMENTS TO THE COLLECTION SYSTEM TO MATCH THE AS CONSTRUCTED LOCATION OF ROOF DRAINS. THE ROOF DRAIN SYSTEM SHALL BE CONSTRUCTED SO AS TO AVOID COLUMN FOOTINGS AND OTHER OBSTRUCTIONS.
2. WHERE ROOF DRAINS (RD OR SD) ARE SHOWN CONNECTING TO THE MAIN STORM DRAIN, THE CONNECTION SHALL BE MADE USING A MANUFACTURED FITTING WHEREVER POSSIBLE. WHERE IT IS NOT POSSIBLE TO UTILIZE A MANUFACTURED FITTING, THE RD, SD, OR PD SHALL BE BLIND CONNECTED TO THE MAIN STORM DRAIN AT OR ABOVE THE SPRINGTIME OF THE MAIN STORM DRAIN, AND SHALL NOT PROJECT MORE THAN 1/4" INTO THE INTERIOR OF THE MAIN STORM DRAIN. THE CONNECTION SHALL BE SECURED VIA A CONCRETE COLLAR AROUND THE RD, SD, OR PD AT THE POINT OF CONNECTION TO THE MAIN STORM DRAIN.
3. ALL ROOF DRAIN COLLECTION SYSTEM PIPING SHALL BE 4" PIPE, UNLESS OTHERWISE SPECIFIED ON PLANS, WITH A 2% MIN. SLOPE AND 12" MIN. COVER, WHERE POSSIBLE OR DEEPER AS NECESSARY TO CONNECT TO THE DRAINAGE SOURCE.
4. ALL PIPE SHALL BE RIGID PIPE WITH SMOOTH INTERIOR WALL. ALL PIPE CONNECTIONS SHALL BE MADE WITH FITTINGS MANUFACTURED TO BE COMPATIBLE WITH THE PIPE AND SHALL BE SILT TIGHT.
5. WHERE RD OR SD CONNECTION STUBS ARE SHOWN DIRECTLY INTO A SERVING STORM DRAIN, CONTRACTOR SHALL PROVIDE NECESSARY PIPE AND FITTINGS TO MAKE THE NECESSARY VERTICAL TRANSITION TO THE DEPTH OF THE SERVING DRAINAGE SYSTEM.
6. ANY RD OR SD LATERAL CONSTRUCTED IN ADVANCE OF THE DRAIN TO WHICH IT IS DESIGNED TO CONNECT SHALL BE TEMPORARILY PLUGGED AND MARKED WITH A WOOD END STAKE TO PREVENT THE ENTRY OF DEBRIS INTO THE SYSTEM, AND TO FACILITATE LOCATING THE LATERAL AT A LATER TIME.
7. ROUTING OF ROOF DRAIN LINES SHOWN HEREON IS DIAGRAMMATIC. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ROUTE THE ROOF DRAIN LINES SO AS TO AVOID CONFLICTS WITH FOOTING ZONES OF INFLUENCE AND WITH OTHER GRAVITY UTILITY LINES INCLUDING SEWER AND STORM DRAINS, WHICH SHALL BE INSTALLED IN ADVANCE OF ROOF DRAIN SYSTEM PIPING.

IRRIGATION SLEEVE NOTE

1. CONTRACTOR SHALL COORDINATE SLEEVING FOR IRRIGATION PIPING WITH PAVING CONTRACTOR PRIOR TO PAVING INSTALLATION. IT IS THE CONTRACTOR'S RESPONSIBILITY FOR PROVIDING APPROPRIATE SLEEVING UNDER HARDSCAPE. AT EACH MAINLINE SLEEVE, PROVIDE A SEPARATE, APPROPRIATE-SIZE SLEEVE FOR CONTROL/COMMON WIRING. SEE IRRIGATION PLANS FOR SLEEVING LOCATIONS.

QUATTROCCHI KWOK ARCHITECTS
636 FIFTH ST.
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Parkway Heights Middle School

Modernization - Phase 2

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South San Francisco, CA
94080
(SSFUSD #05-17)

South San Francisco Unified School District

398 B Street
South San Francisco
CA 94080-4423

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO: 41-28
APPL NO: 01-116522
AC______ FLS______ SS______
DATE______

REVISIONS

1	02/21/18	ADDENDUM 2

ARCH PROJECT NO: 1277.04/3874.05
DRAWN BY: PIT
DRAWING SCALE: AS SHOWN
PTN: 69070-97
CONSTRUCTION DOCUMENTS
02-21-18

SHEET TITLE

ABBREVIATIONS, LEGEND & NOTES

SHEET NUMBER
ADD 02
02.01
C0.1

02-21-18 kelly \3874\dwg\3874 05\3874.05-NOTE-PHASE 2 alt remove courtyard.dwg TAB: C0.1 NOTES

NOTES

1. THE LOCATION AND EXTENT OF ALL BACKGROUND DATA, EXISTING LINE WORK, EXISTING CONTOUR ELEVATIONS AND EXISTING UTILITY FACILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND ARE BASED ON SITE OBSERVATIONS, AERIAL PHOTOS, AS-BUILTS AND TOPOGRAPHIC AND FIELD SURVEY DATA. THE CONTRACTOR SHALL INDEPENDENTLY REVIEW GROUND, TOPOGRAPHY, AND CURRENT SITE CONDITIONS THROUGHOUT THE SITE, AND ASSUME WHOLLY AND UNCONDITIONALLY THE RISK OF COMPLETING THE PROPOSED WORK SHOWN ON THESE PLANS, REGARDLESS OF ROCK, WATER TABLE, OR OTHER CONDITIONS WHICH CONTRACTOR MAY ENCOUNTER IN THE COURSE OF THE WORK.

2. THE CONTRACTOR SHALL PROPERLY REMOVE AND RECYCLE ALL CONCRETE, METAL AND ALL OTHER DEBRIS AND RUBBLE FROM THE PROJECT SITE PER THE CONTRACT DOCUMENTS. IN THE EVENT THAT THE PRESENCE OF HAZARDOUS MATERIALS IS SUSPECTED OR DISCOVERED ON THE SITE, THE CONTRACTOR SHALL INFORM THE OWNER. IN RESPONSE, THE OWNER SHALL RETAIN AN INDEPENDENT TESTING LABORATORY TO DETERMINE THE NATURE OF THE MATERIAL ENCOUNTERED AND WHETHER CORRECTIVE MEASURES OR REMEDIAL ACTION IS REQUIRED.

LEGEND

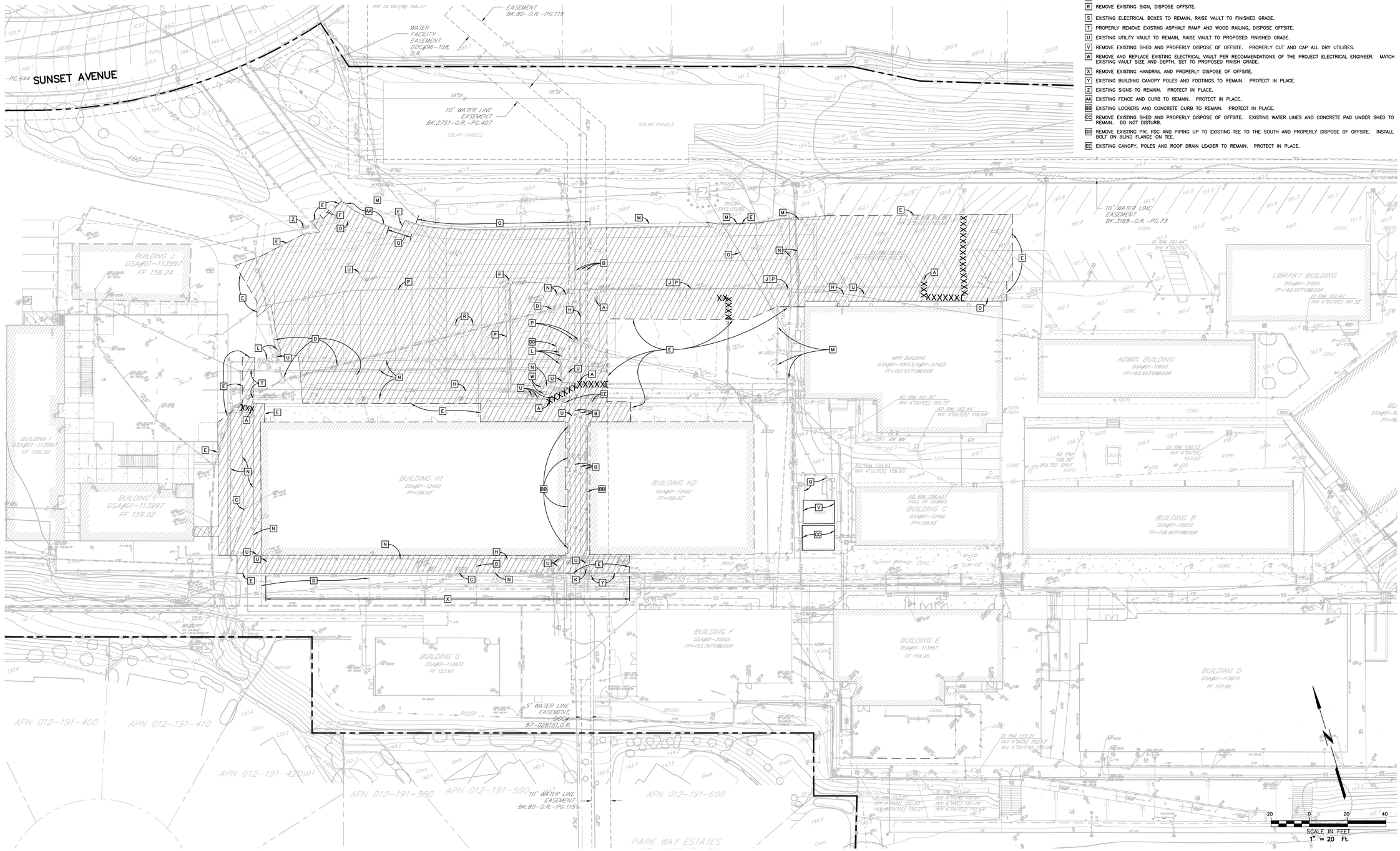
EXISTING CONCRETE, ASPHALT AND BASE MATERIALS TO BE REMOVED. ALL MATERIALS TO BE DISPOSED OF OFFSITE BY THE CONTRACTOR.

XXXXXX EXISTING UTILITY LINE AND ASSOCIATED UTILITY STRUCTURES TO BE REMOVED AND PROPERLY DISPOSED OF OFFSITE (SEWER/ WATER/ STORM DRAIN ONLY). REFER TO ELECTRICAL AND MECHANICAL PLANS FOR ALL OTHER UTILITY DEMOLITION REQUIREMENTS. BACKFILL UTILITY REMOVAL EXCAVATIONS. BACKFILL EXCAVATIONS WITH COMPACTED EARTH PER GEOTECHNICAL RECOMMENDATIONS AND NOTES.

E CUT AND PROPERLY CAP EXISTING UTILITY. CAP MATERIAL SHALL MATCH EXISTING PIPE MATERIAL.

DEMOLITION NOTES

- A REMOVE EXISTING STORM DRAIN INLET, DISPOSE OFFSITE.
- B EXISTING PUBLIC WATER LINE TO REMAIN. DO NOT DISTURB EXISTING WATER LINE, WATER LINE SHALL REMAIN ACTIVE DURING CONSTRUCTION.
- C EXISTING SEWER STRUCTURE TO REMAIN, PROTECT IN PLACE.
- D EXISTING STORM DRAIN LINE AND STRUCTURES TO REMAIN. PROTECT IN PLACE, DO NOT DISTURB. PROTECT INLETS FROM SILT AND SOIL.
- E SAWCUT EXISTING PAVEMENT.
- F EXISTING TRAFFIC SPIKE STRIP TO REMAIN, PROTECT IN PLACE.
- H WORK WITH DISTRICT TO IDENTIFY KEY UTILITY CORRIDORS AND COMPONENTS. DEMOLITION EFFORTS MUST CAREFULLY PRESERVE CRITICAL UTILITY SYSTEMS IN PLACE AS REQUIRED FOR CONTINUED OPERATIONS IN PARTS OF THE CAMPUS NOT CURRENTLY UNDERGOING DEMOLITION.
- J PROPERLY REMOVE EXISTING GAS LINES AND EQUIPMENT PER RECOMMENDATIONS OF THE PROJECT MECHANICAL ENGINEER.
- K EXISTING WATER METER TO REMAIN. RAISE VAULT TO PROPOSED SIDEWALK FINISHED GRADE.
- L EXISTING WATER STRUCTURE TO REMAIN. PROTECT IN PLACE, DO NOT DISTURB.
- M EXISTING FENCE AND GATES TO REMAIN. PROTECT IN PLACE, DO NOT DISTURB.
- N PROTECT EXISTING UTILITIES IN PLACE. DO NOT DISTURB. LOCATION OF EXISTING UTILITIES IS APPROXIMATE, VERIFY IN FIELD.
- O PROTECT EXISTING ACTIVE ELECTRICAL LINES IN PLACE. DO NOT DISTURB. USE CAUTION WHEN WORKING AROUND EXISTING ELECTRICAL LINES AND BOXES. LOCATION OF EXISTING UTILITIES IS APPROXIMATE, VERIFY IN FIELD.
- P PROPERLY REMOVE EXISTING ELECTRICAL EQUIPMENT PER RECOMMENDATIONS OF THE PROJECT ELECTRICAL ENGINEER.
- Q REMOVE EXISTING FENCE, DISPOSE OFFSITE.
- R REMOVE EXISTING SIGN, DISPOSE OFFSITE.
- S EXISTING ELECTRICAL BOXES TO REMAIN, RAISE VAULT TO FINISHED GRADE.
- T PROPERLY REMOVE EXISTING ASPHALT RAMP AND WOOD RAILING, DISPOSE OFFSITE.
- U EXISTING UTILITY VAULT TO REMAIN, RAISE VAULT TO PROPOSED FINISHED GRADE.
- V REMOVE EXISTING SHED AND PROPERLY DISPOSE OF OFFSITE. PROPERLY CUT AND CAP ALL DRY UTILITIES.
- W REMOVE AND REPLACE EXISTING ELECTRICAL VAULT PER RECOMMENDATIONS OF THE PROJECT ELECTRICAL ENGINEER. MATCH EXISTING VAULT SIZE AND DEPTH, SET TO PROPOSED FINISH GRADE.
- X REMOVE EXISTING HANDRAIL AND PROPERLY DISPOSE OF OFFSITE.
- Y EXISTING BUILDING CANOPY POLES AND FOOTINGS TO REMAIN. PROTECT IN PLACE.
- Z EXISTING SIGNS TO REMAIN. PROTECT IN PLACE.
- AA EXISTING FENCE AND CURB TO REMAIN. PROTECT IN PLACE.
- BB EXISTING LOCKERS AND CONCRETE CURB TO REMAIN. PROTECT IN PLACE.
- CC REMOVE EXISTING SHED AND PROPERLY DISPOSE OF OFFSITE. EXISTING WATER LINES AND CONCRETE PAD UNDER SHED TO REMAIN. DO NOT DISTURB.
- DD REMOVE EXISTING PIV, FDC AND PIPING UP TO EXISTING TEE TO THE SOUTH AND PROPERLY DISPOSE OF OFFSITE. INSTALL BOLT ON BLIND FLANGE ON TEE.
- EE EXISTING CANOPY, POLES AND ROOF DRAIN LEADER TO REMAIN. PROTECT IN PLACE.



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01-24-18

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DATE_____

REVISIONS

1	02/21/18	ADDENDUM 2

ARCH PROJECT NO: 1277.04/3874.05
DRAWN BY: PIT
DRAWING SCALE: 1"= 20'
PTN: 69070-97
CONSTRUCTION DOCUMENTS
02-21-18

SHEET TITLE

DEMOLITION PLAN

SHEET NUMBER
ADD 02
02.02
C1.1

02-21-18 kwy J:\3874\dwg\3874_05\3874-05-BASE-PHASE 2 alt remove courtyard.dwg TAB: C1.1 DEMO

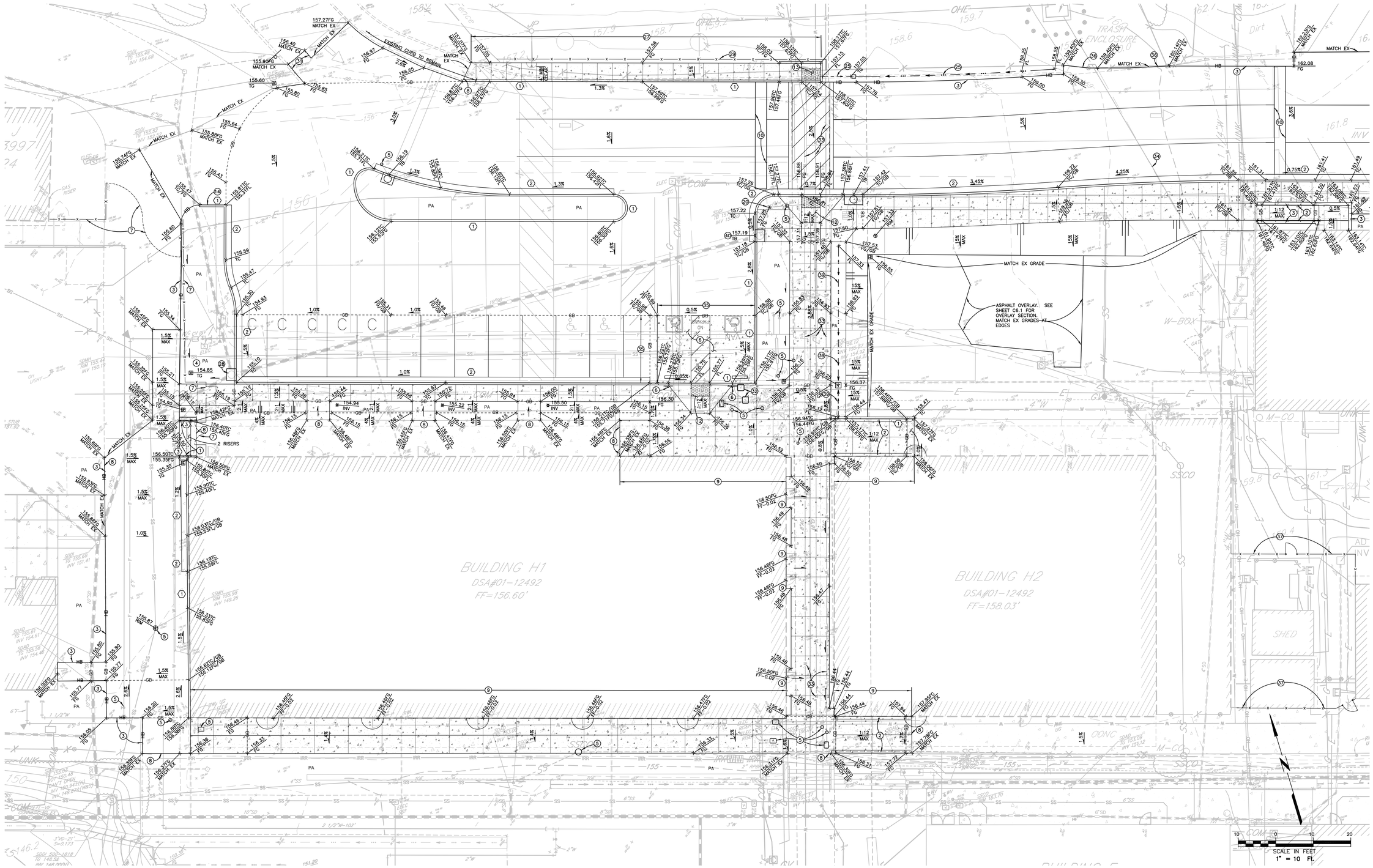
LEGEND

(1)(2)(3)(4) CURB TYPES PER DETAILS SHEET C8.1

GRADING NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

1. SEE LANDSCAPE DRAWINGS FOR STAIR HANDRAIL DETAILS.
2. SEE LANDSCAPE DRAWINGS FOR RAMP HANDRAIL DETAILS.
3. INSTALL REDWOOD HEADER BOARD, PER DETAIL SHEET C8.1.
4. GRADE AREA TO DRAIN TO STORM DRAIN INLET.
5. ADJUST UTILITY BOX TO FINISHED GRADE.
6. INSTALL ADA PARKING AND SIGNS, PER DETAIL SHEET C10.1.
7. NEW GATE AND FENCE. SEE ARCHITECTURAL PLANS FOR DETAILS.
8. INSTALL #4 STEEL DOWEL INTO EXISTING SIDEWALK, PER DETAIL SHEET C8.1.
9. DOWEL NEW SIDEWALK INTO EXISTING BUILDING FOUNDATION, PER DETAIL SHEET C8.1.
10. INSTALL SPEED BUMP, PER DETAIL SHEET C8.1.
12. PROVIDE AND INSTALL TYPE A PEDESTRIAN RAMP PER DETAIL SHEET C10.1.
13. PROVIDE AND INSTALL TYPE B PEDESTRIAN RAMP PER DETAIL SHEET C10.1.
14. INSTALL 2' CURB TRANSITION PER DETAIL SHEET C8.1.
20. RAISE FIRE HYDRANT TO FINISHED GRADE WITH FLANGED DIP PIPE EXTENSION. SEE DETAIL SHEET C9.1 FOR DIMENSIONS.
25. INSTALL DRAINAGE SWALE, PER DETAIL SHEET C8.1.
27. GRADE AREA NORTH OF PROPOSED BACK OF SIDEWALK TO DRAIN SOUTH TO PROPOSED SIDEWALK AT 2:1 OR FLATTER SLOPE.
28. RESET EXISTING STORM DRAIN CATCH BASIN TOP TO PROPOSED FINISHED GRADE.
29. NEW GATE AND FENCE. SEE LANDSCAPE DRAWINGS FOR DETAILS.
31. INSTALL ASPHALT SPEED BUMP. MATCH EXISTING SPEED BUMP WIDTH AND HEIGHT TO THE EAST, PAINT SPEED BUMP YELLOW.
32. REPLACE EXISTING CONCRETE ELECTRICAL VAULT. MATCH EXISTING VAULT SIZE AND DEPTH. SET TOP OF VAULT TO FINISHED GRADE.
33. PROTECT EXISTING WATER LINES DURING CONSTRUCTION, POTHOLE TO DETERMINE DEPTH AND LOCATION PRIOR TO ANY CONSTRUCTION.
34. PROTECT EXISTING UNDERGROUND ELECTRICAL LINES DURING CONSTRUCTION. POTHOLE TO DETERMINE DEPTH AND LOCATIONS PRIOR TO ANY CONSTRUCTION.
35. INSTALL PCC PAVING EDGE, PER DETAIL SHEET C8.1.
36. MATCH EXISTING GRADE AT TRASH ENCLOSURE CONCRETE TRASH PAD.
37. INSTALL NEW FENCE AROUND OLD SHED PAD AND EXISTING WATER LINES. SEE ARCHITECTURAL DRAWINGS FOR FENCE DETAILS.
39. INSTALL CONCRETE VALLEY GUTTER PER DETAIL SHEET C3.1.
40. LOWER EXISTING CATCH BASIN TOP TO FINISHED GRADE.



SEE SHEET C3.1

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REVISIONS		
1	02/21/18	ADDENDUM 2

ARCH PROJECT NO:	1277.04/3874.05
DRAWN BY:	PIT
DRAWING SCALE:	1"= 10'
PTN:	69070-97

CONSTRUCTION DOCUMENTS
02-21-18

SHEET TITLE

GRADING PLAN

SHEET NUMBER
ADD 02
02.03
C2.1

02-21-18 kelly J:\3874\dwg\3874_05\3874_05-BASE_PHASE 2 alt remove courtyard.dwg TAB: C2.1 GRAD

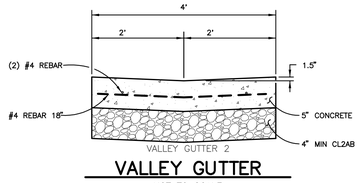
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1 2 3 4 CURB TYPES PER DETAILS SHEET C8.1

GRADING NOTES

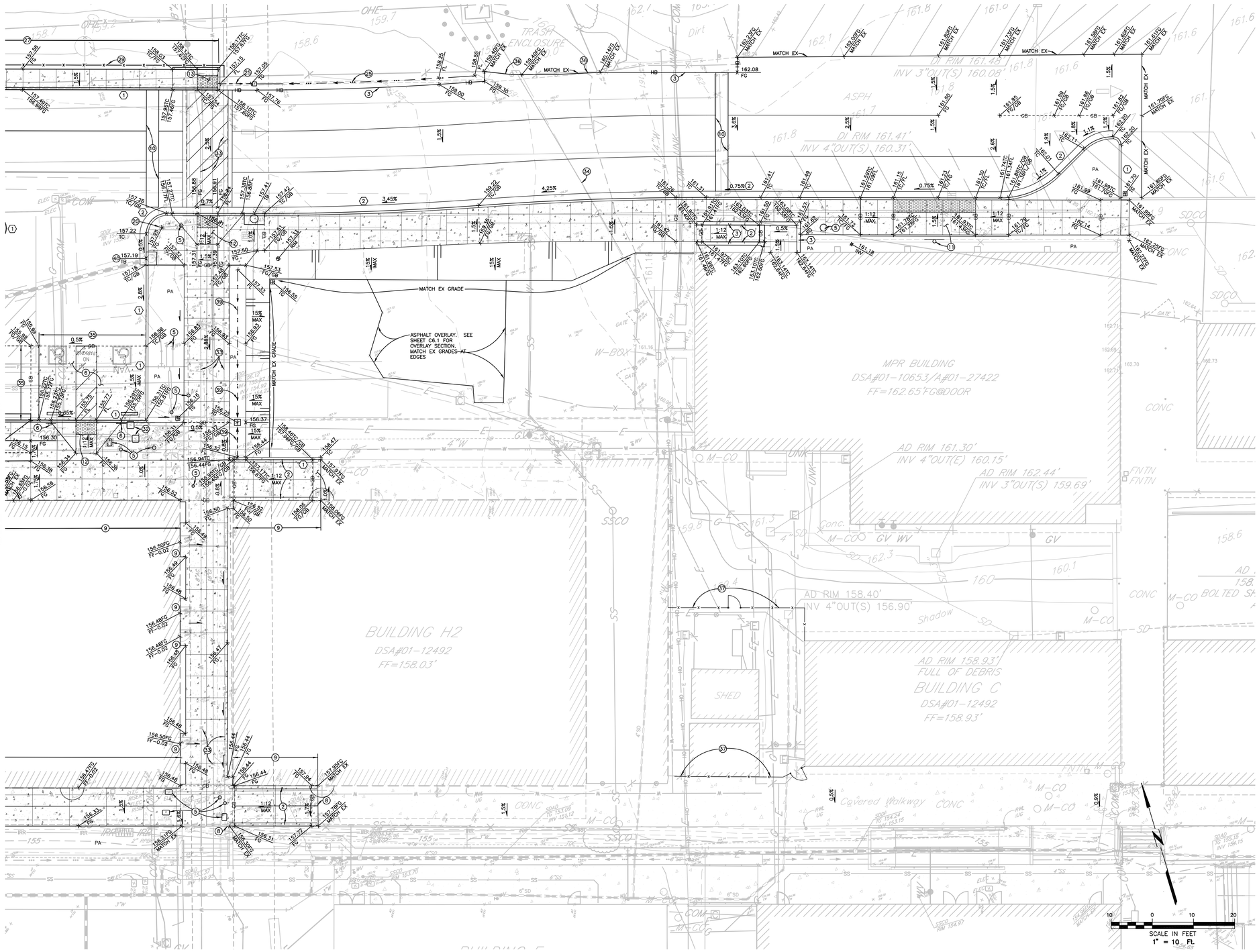
(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

2. SEE LANDSCAPE DRAWINGS FOR RAMP HANDRAIL DETAILS.
3. INSTALL REDWOOD HEADER BOARD, PER DETAIL SHEET C8.1.
5. ADJUST UTILITY BOX TO FINISHED GRADE.
6. INSTALL ADA PARKING AND SIGNS, PER DETAIL SHEET C10.1.
8. INSTALL #4 STEEL DOWEL INTO EXISTING SIDEWALK, PER DETAIL SHEET C8.1.
9. DOWEL NEW SIDEWALK INTO EXISTING BUILDING FOUNDATION, PER DETAIL SHEET C8.1.
10. INSTALL SPEED BUMP, PER DETAIL SHEET C8.1.
11. PROVIDE AND INSTALL PASSENGER DROP-OFF RAMP AND SIGN, PER DETAIL SHEET C10.1.
12. PROVIDE AND INSTALL TYPE A PEDESTRIAN RAMP PER DETAIL SHEET C10.1.
13. PROVIDE AND INSTALL TYPE B PEDESTRIAN RAMP PER DETAIL SHEET C10.1.
20. RAISE FIRE HYDRANT TO FINISHED GRADE WITH FLANGED DIP PIPE EXTENSION. SEE DETAIL SHEET C9.1 FOR DIMENSIONS.
23. INSTALL DRAINAGE SWALE, PER DETAIL SHEET C8.1.
27. GRADE AREA NORTH OF PROPOSED BACK OF SIDEWALK TO DRAIN SOUTH TO PROPOSED SIDEWALK AT 2:1 OR FLATTER SLOPE.
29. NEW GATE AND FENCE. SEE LANDSCAPE DRAWINGS FOR DETAILS.
32. REPLACE EXISTING CONCRETE ELECTRICAL VAULT. MATCH EXISTING VAULT SIZE AND DEPTH. SET TOP OF VAULT TO FINISHED GRADE.
33. PROTECT EXISTING WATER LINES DURING CONSTRUCTION, POTHOLE TO DETERMINE DEPTH AND LOCATION PRIOR TO ANY CONSTRUCTION.
34. PROTECT EXISTING UNDERGROUND ELECTRICAL LINES DURING CONSTRUCTION. POTHOLE TO DETERMINE DEPTH AND LOCATIONS PRIOR TO ANY CONSTRUCTION.
35. INSTALL PCC PAVING EDGE, PER DETAIL SHEET C8.1.
36. MATCH EXISTING GRADE AT TRASH ENCLOSURE CONCRETE TRASH PAD.
37. INSTALL NEW FENCE AROUND OLD SHED PAD AND EXISTING WATER LINES. SEE ARCHITECTURAL DRAWINGS FOR FENCE DETAILS.
39. INSTALL CONCRETE VALLEY GUTTER PER DETAIL SHEET C3.1.
40. LOWER EXISTING CATCH BASIN TOP TO FINISHED GRADE.



VALLEY GUTTER

NOT TO SCALE



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REVISIONS

1	02/21/18	ADDENDUM 2

ARCH PROJECT NO: 1277.04/3874.05
DRAWN BY: PIT
DRAWING SCALE: 1"= 10'
PTN: 69070-97
CONSTRUCTION DOCUMENTS
02-21-18
SHEET TITLE

GRADING PLAN

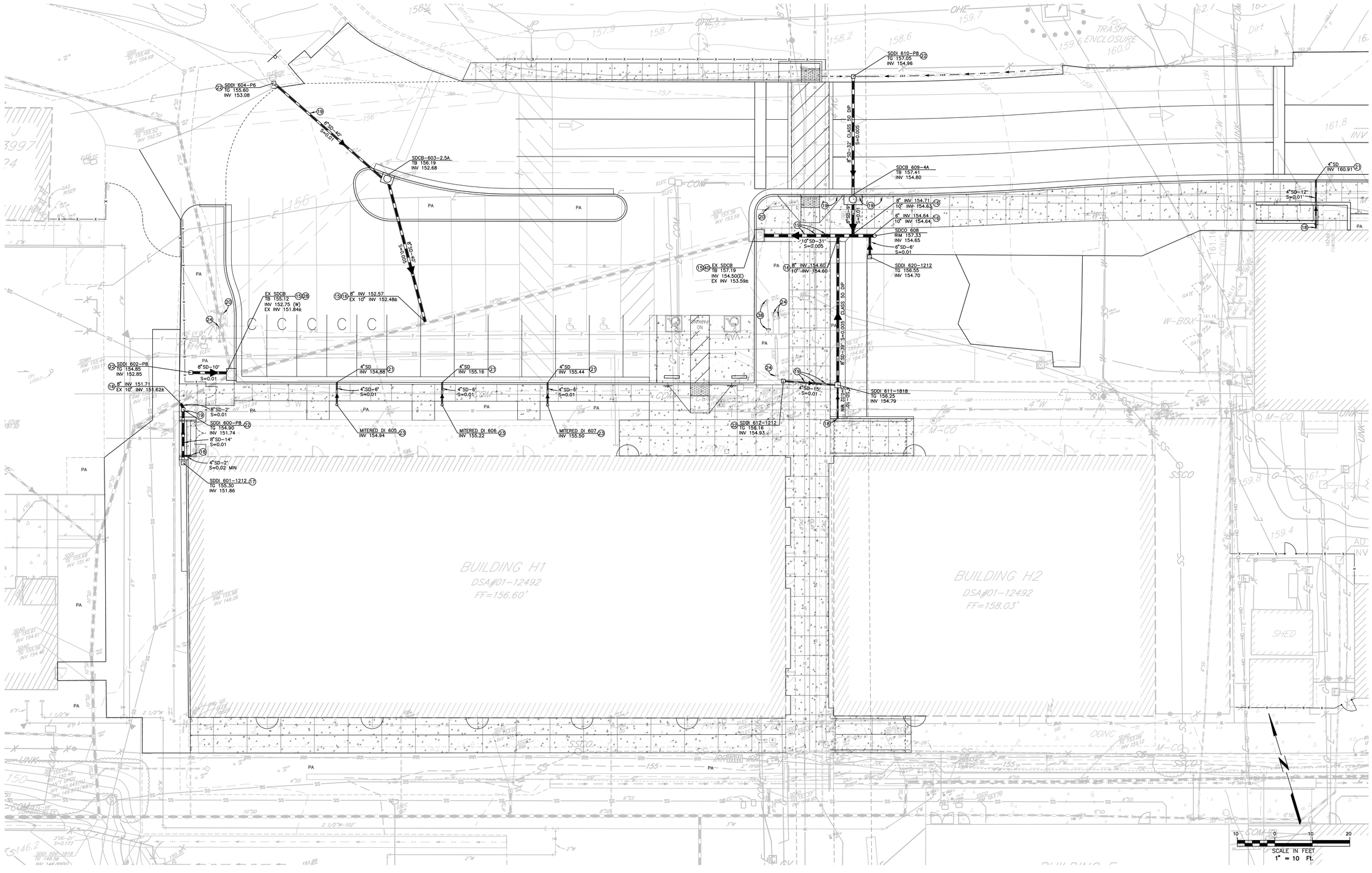
SHEET NUMBER
ADD 02
02.04
C3.1

02-21-18 kelly _3874\dwg\3874 05_3874.05-BASE-PHASE 2 alt remove courtyard.dwg TAB: C3.1 GRAD

UTILITY NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

15. CONNECT TO EXISTING STORM DRAIN, VERIFY SIZE, LOCATION AND INVERT ELEVATION OF EXISTING STORM DRAIN. NOTIFY ENGINEER OF RESULTS FOR POSSIBLE ADJUSTMENTS OF STORM DRAIN LAYOUT AND OR INVERT ELEVATIONS.
16. BLIND CONNECTION TO STORM DRAIN, PER DETAIL SHEET C9.1.
17. SDDI SHALL HAVE A BOLT DOWN ADA APPROVED GALVANIZED STEEL GRATE WITH PAVING NOTCH.
18. CONNECT TO EXISTING ROOF WATER LEADERS WITH 4" RUBBER COUPLING CONNECTION AND STAINLESS STEEL CLAMPS.
19. POTHOLE AND VERIFY SIZE, LOCATION AND INVERT ELEVATIONS OF EXISTING UTILITY LINE BEFORE ANY UTILITY CONSTRUCTION, OR ORDERING ANY STORM DRAIN STRUCTURES. NOTIFY ENGINEER OF RESULTS FOR POSSIBLE ADJUSTMENTS OF STORM DRAIN LAYOUT AND OR INVERT ELEVATIONS.
20. RAISE FIRE HYDRANT TO FINISHED GRADE WITH FLANGED DIP PIPE EXTENSION. SEE DETAIL SHEET C9.1 FOR DIMENSIONS.
21. INSTALL 4" SIDEWALK DRAIN PER DETAIL SHEET C9.1.
22. SDDI SHALL HAVE A GALVANIZED STEEL BOLT DOWN 12"x 12" ATRIUM GRATE.
23. INSTALL 4" MITERED DRAIN INLET (MODEL NO. 4MD3P) AT THE END OF THE 4" DIAMETER PVC SDR-35 STORM DRAIN, PER DETAIL SHEET C9.1.
24. INSTALL WATER LINE GATE VALVE BOX, PER DETAIL SHEET C9.1. SET TOP OF BOX TO FINISHED GRADE.
28. RESET EXISTING STORM DRAIN CATCH BASIN TOP TO PROPOSED FINISHED GRADE.
38. REMOVE EXISTING PIV AND FDC AND PIPE UP TO EXISTING TEE TO THE SOUTH. INSTALL BOLT ON BLIND FLANGE ON TEE.
40. LOWER EXISTING CATCH BASIN TOP TO FINISHED GRADE.



SEE SHEET C5.1

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DRAWN BY: PIT
DRAWING SCALE: 1"= 10'
PTN: 69070-97
CONSTRUCTION DOCUMENTS
02-21-18

SHEET TITLE

UTILITY PLAN

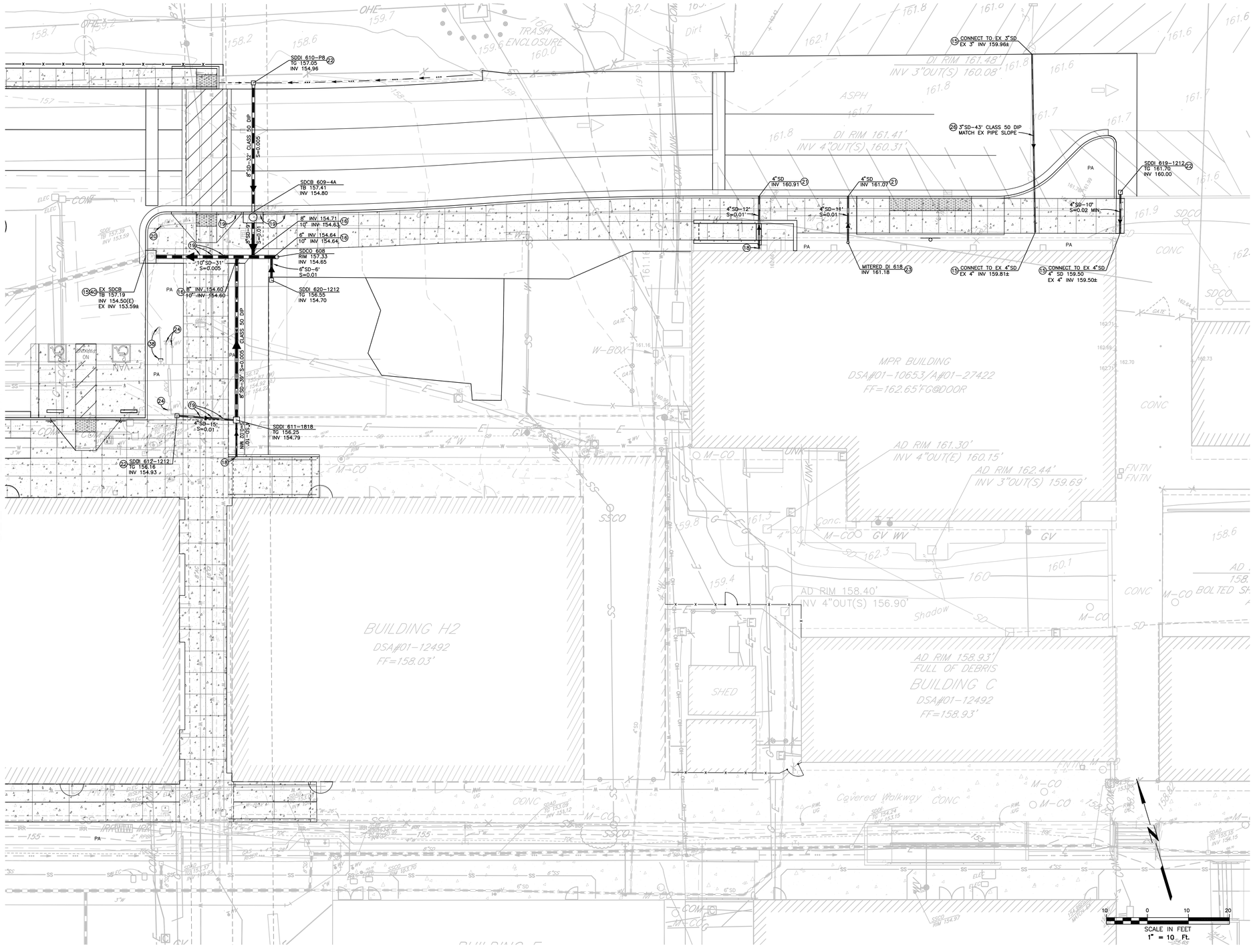
SHEET NUMBER
ADD 02
02.05
C4.1

02-21-18 kelly \3874\dwg\3874 05\3874.05-BASE-PHASE 2 alt removeTABs.dwg TAB: C4.1 UTIL

UTILITY NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

15. CONNECT TO EXISTING STORM DRAIN, VERIFY SIZE, LOCATION AND INVERT ELEVATION OF EXISTING STORM DRAIN. NOTIFY ENGINEER OF RESULTS FOR POSSIBLE ADJUSTMENTS OF STORM DRAIN LAYOUT AND OR INVERT ELEVATIONS.
16. BLIND CONNECTION TO STORM DRAIN, PER DETAIL SHEET C9.1.
18. CONNECT TO EXISTING ROOF WATER LEADERS WITH 4" RUBBER COUPLING CONNECTION AND STAINLESS STEEL CLAMPS.
19. POTHOLE AND VERIFY SIZE, LOCATION AND INVERT ELEVATIONS OF EXISTING UTILITY LINE BEFORE ANY UTILITY CONSTRUCTION, OR ORDERING ANY STORM DRAIN STRUCTURES. NOTIFY ENGINEER OF RESULTS FOR POSSIBLE ADJUSTMENTS OF STORM DRAIN LAYOUT AND OR INVERT ELEVATIONS.
20. RAISE FIRE HYDRANT TO FINISHED GRADE WITH FLANGED DIP PIPE EXTENSION. SEE DETAIL SHEET C9.1 FOR DIMENSIONS.
21. INSTALL 4" SIDEWALK DRAIN PER DETAIL SHEET C9.1.
22. SDDI SHALL HAVE A GALVANIZED STEEL BOLT DOWN 12"x 12" ATRIUM GRATE.
23. INSTALL 4" MITERED DRAIN INLET (MODEL NO. 4MD3P) AT THE END OF THE 4" DIAMETER PVC SDR-35 STORM DRAIN, PER DETAIL SHEET C9.1.
24. INSTALL WATER LINE GATE VALVE BOX, PER DETAIL SHEET C9.1. SET TOP OF BOX TO FINISHED GRADE.
26. BACKFILL STORM DRAIN TRENCH WITH CALTRANS CDF BACKFILL. STOP CDF BACKFILL AT PROPOSED ROAD SUBGRADE ELEVATION.
38. REMOVE EXISTING PIV AND FDC AND PIPE UP TO EXISTING TEE TO THE SOUTH. INSTALL BOLT ON BLIND FLANGE ON TEE.
40. LOWER EXISTING CATCH BASIN TOP TO FINISHED GRADE.



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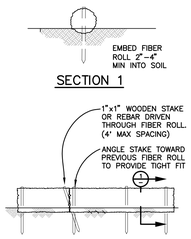
CONSTRUCTION DOCUMENTS
02-21-18

SHEET TITLE

UTILITY PLAN

SHEET NUMBER
ADD 02
02.06
C5.1

02-21-18 kelly J:\3874\dwg\3874 05\3874-05-BASE-PHASE 2 alt remove courtyard.dwg TAB: C5.1 UTIL



NOTES

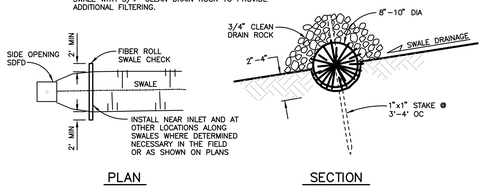
1. THE FIBER ROLLS SHALL BE PLACED ON SLOPE CONTOUR.
2. FIBER ROLLS TO BE PLACED IN A ROW WITH THE ENDS TIGHTLY ABUTTING. USE STRAW, ROCKS, OR FILTER FABRIC TO FILL GAPS BETWEEN THE FIBER ROLLS AND TAMP THE BACKFILL MATERIAL TO PREVENT EROSION OR FLOW AROUND FIBER ROLLS.

FIBER ROLL

NOT TO SCALE

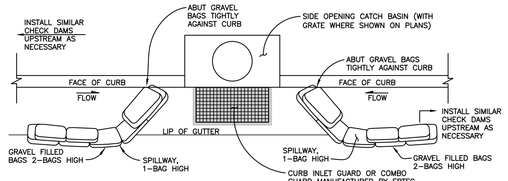
NOTE

1. FIBER ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 2"–4" DEEP, DUG ON A "V" PATTERN INTO THE SIDES AND BOTTOM OF THE SWALE. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL. COVER THE FIBER ROLL IN THE FLOWLINE OF THE SWALE WITH 3/4" CLEAN DRAIN ROCK TO PROVIDE ADDITIONAL FILTERING.



FIBER ROLL SWALE CHECK

NOT TO SCALE

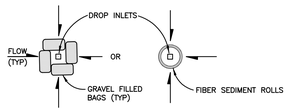


CATCH BASIN PROTECTION – AT SUMP

NOT TO SCALE

LEGEND

- FR —— FIBER ROLL, PER DETAIL THIS SHEET
- MINOR INLET PROTECTION, PER DETAIL THIS SHEET
- FIBER ROLL SWALE CHECK, PER DETAIL THIS SHEET
- CATCH BASIN PROTECTION, PER DETAIL THIS SHEET



MINOR INLET PROTECTION

NOT TO SCALE

PAVEMENT STRUCTURAL SECTION

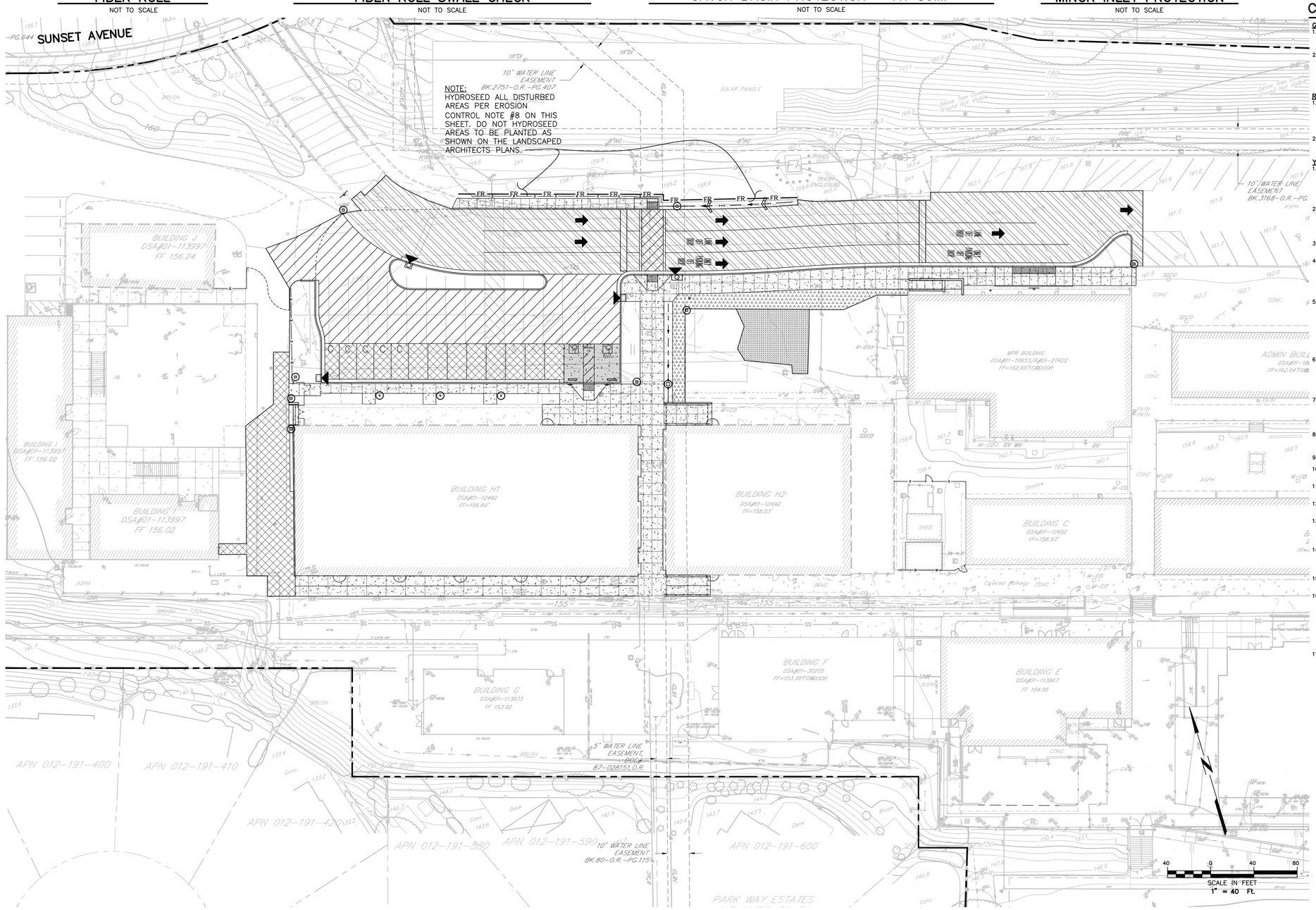
LOCATION	AC*	CL2 AB**	PCC***
DRIVE AISLE FIRE LANE / BUS LANE SEE NOTE ****	0.29'	0.83'	–
PARKING AISLE SEE NOTE ****	0.25'	0.67'	–
PARKING STALLS SEE NOTE ****	0.21'	0.63'	–
CONCRETE (PEDESTRIAN) PER DETAIL, SHEET C8.1	–	0.33'	0.42'
CONCRETE (VEHICULAR) PER DETAIL SHEET C8.1	–	0.50'	0.50'
COURTYARD ASPHALT****	0.17'	0.50'	–
ASPHALT OVERLAY	0.17' MIN	–	–

* TYPE A 1/2 MAX MEDIUM ASPHALT

** COMPACTED TO 95% RELATIVE COMPACTION

*** SEE CIVIL CONCRETE SPECIFICATIONS FOR CONCRETE MIX REQUIREMENTS

**** NOTE: A SEAL COAT (2 COATS WITH SAND, 2 COATS WITHOUT SAND) SHALL BE APPLIED TO ALL NEW ASPHALT SURFACES. SEE CIVIL SPECIFICATIONS FOR MORE DETAIL.



EROSION PREVENTION AND SEDIMENT CONTROL NOTES

GENERAL

1. THE CONTRACTOR IS RESPONSIBLE FOR PREVENTING STORM WATER POLLUTION GENERATED FROM THE CONSTRUCTION SITE YEAR ROUND. WORK SITES WITH INADEQUATE EROSION AND SEDIMENT CONTROL MAY BE SUBJECT TO A STOP WORK ORDER.
2. AT ALL TIMES THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND COMPLYING WITH THE STATE OF CALIFORNIA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT WASTE DISCHARGE REQUIREMENTS FOR DISCHARGES OF STORM WATER RUNOFF ASSOCIATED WITH CONSTRUCTION ACTIVITY. CONSTRUCTION ACTIVITIES INCLUDE BUT ARE NOT LIMITED TO CLEARING, GRADING, EXCAVATION, STOCKPILING, AND RECONSTRUCTION OF EXISTING FACILITIES INVOLVING REMOVAL AND REPLACEMENT.

RAINY SEASON OPERATIONS

1. THE CONTRACTOR MUST IMPLEMENT AN EFFECTIVE COMBINATION OF EROSION PREVENTION AND SEDIMENT CONTROL ON ALL DISTURBED AREAS DURING THE RAINY SEASON (OCTOBER 15 – APRIL 15). STORM WATER BMPS REFERENCED OR DETAILED IN THE PERMIT AUTHORITY'S BEST MANAGEMENT PRACTICES GUIDE SHALL BE IMPLEMENTED AND FUNCTIONAL ON THE SITE AT ALL TIMES
2. THE AREA OF ERODIBLE LAND EXPOSED AT ANY ONE TIME DURING THE WORK SHALL NOT EXCEED 1 ACRE OR 20% OF THE PERMITTED WORK AREA, WHICHEVER IS GREATER, AND THE TIME OF EXPOSURE SHALL BE MINIMIZED TO THE MAXIMUM EXTENT PRACTICABLE.

YEAR ROUND REQUIREMENTS

1. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED BY THE CONTRACTOR BEFORE FORECASTED STORM EVENTS AND AFTER STORM EVENTS TO ENSURE MEASURES ARE FUNCTIONING PROPERLY. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES THAT HAVE FAILED OR ARE NO LONGER EFFECTIVE SHALL BE PROMPTLY REPLACED. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED.
2. THE LIMITS OF GRADING SHALL BE DEFINED AND MARKED ON SITE TO PREVENT DAMAGE TO SURROUNDING VEGETATION. PRESERVATION OF EXISTING VEGETATION SHALL OCCUR TO THE MAXIMUM EXTENT PRACTICABLE. ANY EXISTING VEGETATION WITHIN THE LIMITS OF GRADING THAT IS TO REMAIN UNDISTURBED BY THE WORK SHALL BE IDENTIFIED AND PROTECTED FROM DAMAGE BY MARKING, FENCING, OR OTHER MEASURES.
3. CHANGES TO THE EROSION PREVENTION AND SEDIMENT CONTROL PLAN MAY BE MADE TO RESPOND TO FIELD CONDITIONS AND SHALL BE NOTED ON THE PLAN.
4. DISCHARGES OF POTENTIAL POLLUTANTS FROM CONSTRUCTION SITES SHALL BE PREVENTED USING SOURCE CONTROLS TO THE MAXIMUM EXTENT PRACTICABLE. POTENTIAL POLLUTANTS INCLUDE BUT ARE NOT LIMITED TO: SEDIMENT, TRASH, NUTRIENTS, PATHOGENS, PETROLEUM HYDROCARBONS, METALS, CONCRETE, CEMENT, ASPHALT, LIME, PAINT, STAINS, GLUES, WOOD PRODUCTS, PESTICIDES, HERBICIDES, CHEMICALS, HAZARDOUS WASTE, SANITARY WASTE, VEHICLE OR EQUIPMENT WASH WATER, AND CHLORINATED WATER.
5. ENTRANCE(S) TO THE CONSTRUCTION SITE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF POTENTIAL POLLUTANTS OFFSITE. POTENTIAL POLLUTANTS DEPOSITED ON PAVED AREAS WITHIN THE COUNTY RIGHT–OF–WAY, SUCH AS ROADWAYS AND SIDEWALKS, SHALL BE PROPERLY DISPOSED OF AT THE END OF EACH WORKING DAY OR MORE FREQUENTLY AS NECESSARY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING CONSTRUCTION VEHICLES LEAWING THE SITE ON A DAILY BASIS TO PREVENT DUST, SILT, AND DIRT FROM BEING RELEASED OR TRACKED OFFSITE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AT THE END OF EACH WORKING DAY OR MORE OFTEN AS NECESSARY.
6. ALL DISTURBED AREAS SHALL BE PROTECTED BY USING EROSION PREVENTION MEASURES TO THE MAXIMUM EXTENT PRACTICABLE, SUCH AS ESTABLISHING VEGETATION COVERAGE, HYDROSEEDING, STRAW MULCH, GEOTEXTILES, PLASTIC COVERS, BLANKETS OR MATS. TEMPORARY OR PERMANENT REVEGETATION SHALL BE INSTALLED AS SOON AS PRACTICAL AFTER VEGETATION REMOVAL BUT IN ALL CASES PRIOR TO OCTOBER 15. PRIOR TO FINAL INSPECTION, ALL DISTURBED AREAS SHALL BE REVEGETATED OR LANDSCAPING SHALL BE INSTALLED.
7. WHENEVER IT IS NOT POSSIBLE TO USE EROSION PREVENTION MEASURES ON EXPOSED SLOPES, SEDIMENT CONTROL DEVICES SUCH AS FIBER ROLLS AND SILT FENCES SHALL BE INSTALLED TO PREVENT SEDIMENT MIGRATION. FIBER ROLLS AND SILT FENCES SHALL BE TRENCHED AND KEYED INTO THE SOIL AND INSTALLED ON CONTOUR. SILT FENCES SHALL BE INSTALLED APPROXIMATELY 2 TO 5 FEET FROM TOE OF SLOPE.
8. HYDROSEEDING AND MIX REQUIREMENTS PER CIVIL SPECIFICATION SECTION 32 92 13.10 HYDROSEEDING.
9. DUST CONTROL SHALL BE PROVIDED BY CONTRACTOR DURING ALL PHASES OF CONSTRUCTION.
10. STORM DRAIN INLETS SHALL BE PROTECTED FROM POTENTIAL POLLUTANTS UNTIL DRAINAGE CONVEYANCE SYSTEMS ARE FUNCTIONAL AND CONSTRUCTION HAS BEEN COMPLETED.
11. ENERGY DISSIPATERS SHALL BE INSTALLED AT STORM DRAIN OUTLETS WHICH MAY CONVEY EROSIVE STORM WATER FLOW.
12. SOIL, MATERIAL STOCKPILES, AND FERTILIZING MATERIAL SHALL BE PROPERLY PROTECTED TO MINIMIZE SEDIMENT AND POLLUTANT TRANSPORT FROM THE CONSTRUCTION SITE.
13. SOLID WASTE, SUCH AS TRASH, DISCARDED BUILDING MATERIALS AND DEBRIS, SHALL BE PLACED IN DESIGNATED COLLECTION AREAS OR CONTAINERS. THE CONSTRUCTION SITE SHALL BE CLEARED OF SOLID WASTE DAILY OR AS NECESSARY. REGULAR REMOVAL AND PROPER DISPOSAL SHALL BE COORDINATED BY THE CONTRACTOR.
14. A CONCRETE WASHOUT AREA, SUCH AS A TEMPORARY PIT, SHALL BE DESIGNATED TO CLEAN CONCRETE TRUCKS AND TOOLS. AT NO TIME SHALL CONCRETE PRODUCTS AND WASTE BE ALLOWED TO ENTER COUNTY WATERWAYS SUCH AS CREEKS OR STORM DRAINS. NO WASHOUT OF CONCRETE, MORTAR MIXERS, OR TRUCKS SHALL BE ALLOWED ON SOIL.
15. APPROPRIATE VEHICLE STORAGE, FUELING, MAINTENANCE, AND CLEANING AREAS SHALL BE DESIGNATED AND MAINTAINED TO PREVENT DISCHARGE OF POLLUTANTS.
16. ALL GRADED AREAS AND EXPOSED SOIL WITHIN THIS PROJECT NOT OTHERWISE PROPOSED TO BE COVERED WITH HARD SURFACES, BUILDINGS, OR LANDSCAPING SHALL BE COVERED WITH BLOWN AND PUNCHED STRAW MULCH AT THE RATE OF (2) TONS PER/ACRE. STRAW SHALL BE APPLIED BY OCTOBER 15TH TO ALL GRADED CUT AND FILL SLOPES WITHIN THE PROJECT THAT HAVE NOT BEEN LANDSCAPED. 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. ALL SEDIMENT TRAPS SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL SUCH TIME THAT VEGETATIVE COVER IS ESTABLISHED.
17. THIS PROJECT DISTURBS MORE THAN ONE ACRE AND CONCURRENTLY HAS A NOTICE OF INTENT FROM THE STATE OF CALIFORNIA. THE CONTRACTOR SHALL PROVIDE THE INFORMATION TO THE OWNER FOR PREPARING A NOTICE OF INTENT (NOI) AS NEEDED. THE OWNER WILL SUBMIT THE NOI TO THE STATE DEPARTMENT OF WATER RESOURCES AND PREPARE THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP). THIS PROJECT IS A RISK LEVEL 2 PROJECT, THE CONTACTOR SHALL FOLLOW ALLOW RISK LEVEL 2 SWPPP REQUIREMENTS. THE CONTRACTOR SHALL ASSIGN A QSP TO THE PROJECT; THIS PERSON SHALL MEET ALL QSP REQUIREMENTS AS STATED IN THE STATE'S GENERAL STORMWATER PERMIT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING THE SWPPP AND ALL RISK LEVEL REQUIREMENTS, INCLUDING ALL SAMPLING AND RECORD KEEPING. THE CONTRACTOR SHALL KEEP A COPY OF THE SWPPP AT THE JOBSITE AT ALL TIMES AND MAKE THE PLAN AVAILABLE TO THE OWNER, ENGINEER AND STATE OF CALIFORNIA REPRESENTATIVES FOR THEIR USE. THE CONTRACTOR SHALL COMPLY WITH ALL TERMS OF THE SWPPP AND THE STATE WATER RESOURCES CONTROL BOARD (SWRCB) ORDER NO. 2009–009–DWQ, NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT NO. CAS000002 IN A TIMELY FASHION AND WITH NO ADDITIONAL COMPENSATION THEREFORE. THE SWPPP SHALL INCLUDE AS A STANDARD COMPLIANCE REFERENCE THE LATEST EDITION OF THE CALIFORNIA STORMWATER QUALITY ASSOCIATES STORMWATER BEST MANAGEMENT PRACTICES HANDBOOK. THE SWPPP SHALL INCLUDE BUT NOT BE LIMITED TO SPECIFIC REFERENCES TO MANAGEMENT PRACTICES REQUIRED TO OPERATE THE EROSION CONTROL PLAN INCLUDED IN THE PROJECT DRAWINGS, DEWATERING , CONSTRUCTION NEAR WATER COURSES, MATERIAL USED AND STORAGE, EXCAVATION, SEDIMENT CONTROL, TRENCHING, USE AND STOCKPILING OF COLD PATCH ASPHALT, TEMPORARY STOCKPILING OF TRENCH SPOILS AND EARTHEN MATERIALS AND PILE DRAWINGS.

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DATE_____

REVISIONS

1	02/21/18	ADDENDUM 2

ARCH PROJECT NO: 1277.04/3874.05
DRAWN BY: PIT
DRAWING SCALE: 1"= 20'
PTN: 69070-97

CONSTRUCTION DOCUMENTS
02-21-18

SHEET TITLE

PAVEMENT STRUCTURAL SECTION & EROSION CONTROL PLAN

SHEET NUMBER
ADD 02
02.07
C6.1

02-21-18 kelly \3874\dwg\3874 05\3874.05-BASE-PHASE 2 alt remove courtyard.dwg TAB: C6.1 PAVE EROS

SIGNING AND STRIPING NOTES

1. ALL CURBS (TOP AND SIDES) ADJACENT TO FIRE LANES SHALL BE PAINTED RED WITH RED CURB PAINT. THE WORDS "FIRE LANE" SHALL BE STENCILED ON THE TOP OF ALL RED PAINTED CURBS AT MAXIMUM INTERVALS OF 100'. LETTERING SHALL BE 3" HIGH AND HAVE 3/4" STROKE.
2. ALL PARKING STRIPING SHALL BE 4" WIDE WHITE PAINT, EXCEPT AT ADA STALLS WHERE BLUE IS REQUIRED BY CODE, PER DETAIL SHEET C10.1.
3. SIGN DESIGNATIONS AND PAVEMENT MARKINGS ARE PER THE 2012 CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
4. ALL SIGNS SHALL BE MOUNTED ON SIGN POST PER DETAIL SHEET C10.1.
5. ALL PAVEMENT MARKING LETTERING SHALL BE STENCILED 18" HIGH WHITE LETTERS.
6. PARKING STALL STRIPING SHALL BE 4" WIDE AND WHITE. SPACING AND LENGTH AS SHOWN ON THE PLAN VIEW.
7. PAVEMENT MARKINGS AND TRAFFIC LINE DETAILS REFERENCE NUMBERS ARE SHOWN ON CALTRANS STD PLANS SHEETS A20-A, A20-B AND A20-C.

LEGEND

- TYPE 1 ARROW (WHITE PAINT) PER 2012 CALIFORNIA MUTCD.
- INDICATES COMPACT PARKING STALL – PAINT "COMPACT" IN 12" HIGH LETTERS IN WHITE PAINT
- BLUE RETROACTIVE FIRE HYDRANT PAVEMENT MARKER
- RED CURB WHERE SHOWN ON PLANS, SEE NOTE 1 THIS SHEET
- WHITE (UNLOADING ZONE) PAINTED CURB, TOP AND FACE OF CURB

SEE THIS SHEET FOR LAYOUT COORDINATE TABLES

SD STRUCTURE COORDINATE TABLE

NO	NORTHING	EASTING	TYPE
600	2069636.394	6003627.841	SDDI
601	2069624.177	6003624.145	SDDI
602	2069646.651	6003633.044	SDDI
603	2069682.127	6003698.868	SDCB
604	2069714.223	6003676.479	SDDI
605	2069627.239	6003667.886	SD MITER
606	2069619.117	6003694.753	SD MITER
607	2069610.981	6003721.669	SD MITER
608	2069629.136	6003818.210	SDCO
609	2069641.320	6003815.830	SDCB/EC
610	2069671.474	6003824.940	SDDI
611	2069593.868	6003797.312	SDDI
612	2069599.030	6003783.726	SDDI
618	2069592.430	6003952.662	SD MITER
619	2069585.047	6004019.831	SDDI
620	2069624.099	6003815.318	SDDI

LAYOUT COORDINATE TABLE

NO	NORTHING	EASTING	TYPE
1400	2069583.320	6004020.354	AP
1401	2069583.899	6004018.439	AP
1402	2069596.693	6004022.305	BC
1403	2069599.186	6004020.969	PCC
1404	2069598.428	6004013.353	EC
1405	2069594.335	6004005.717	BC
1406	2069592.818	6003990.485	EC
1407	2069594.549	6003984.756	AP
1408	2069613.469	6003922.141	BC
1409	2069627.520	6003868.569	PRC
1410	2069647.465	6003795.491	BC
1411	2069644.126	6003789.259	EC
1412	2069600.779	6003776.155	AP
1413	2069640.760	6003643.891	AP
1414	2069657.990	6003649.099	BC
1415	2069665.345	6003649.847	PRC
1416	2069672.820	6003650.632	EC
1417	2069686.821	6003654.864	AP
1418	2069688.833	6003648.208	BC
1419	2069685.493	6003641.976	EC
1420	2069658.484	6003633.642	AP
1421	2069660.606	6003626.587	AP
1422	2069637.446	6003619.633	AP
1423	2069631.605	6003604.424	AP
1424	2069579.298	6003589.152	AP
1425	2069574.584	6003587.800	AP
1426	2069565.040	6003585.062	AP
1427	2069553.213	6003591.462	AP
1428	2069549.527	6003603.758	AP
1429	2069494.342	6003787.883	AP
1430	2069503.693	6003790.586	AP
1431	2069579.454	6003814.109	AP
1432	2069586.228	6003792.911	AP
1433	2069599.298	6003746.494	AP
1434	2069601.657	6003738.849	AP
1435	2069592.485	6003736.111	AP
1440	2069631.037	6003806.457	AP
1441	2069632.487	6003813.946	AP
1442	2069634.219	6003795.927	AP
1443	2069644.614	6003804.928	RAMP
1444	2069597.638	6003784.869	AP
1445	2069601.201	6003942.286	AP
1446	2069608.481	6003918.195	AP
1447	2069603.814	6003916.852	AP
1448	2069582.960	6004023.379	AP
1449	2069616.352	6004033.469	AP
1450	2069643.910	6003939.117	AP
1451	2069640.344	6003938.039	AP
1452	2069655.656	6003885.469	AP
1453	2069658.311	6003879.244	AP
1454	2069656.003	6003878.717	AP
1455	2069670.289	6003823.674	EC
1456	2069672.464	6003816.478	AP
1457	2069700.212	6003724.646	AP
1458	2069723.959	6003699.996	AP
1459	2069711.772	6003684.242	AP
1460	2069712.949	6003675.624	AP
1461	2069708.491	6003651.873	AP
1462	2069707.553	6003637.010	AP
1463	2069686.255	6003642.276	AP
1464	2069659.766	6003754.680	AP
1465	2069667.793	6003728.124	BC
1466	2069684.655	6003695.462	PCC
1467	2069682.650	6003689.182	PCC
1468	2069669.990	6003695.802	EC
1469	2069652.826	6003752.582	BC
1470	2069596.602	6003615.447	AP
1471	2069626.064	6003623.646	AP
1472	2069624.769	6003627.956	AP
1473	2069644.659	6003629.267	AP
1476	2069610.306	6003749.821	AP
1477	2069686.484	6003735.504	STRIPE
1478	2069676.846	6003732.828	STRIPE
1479	2069616.343	6003981.777	STRIPE
1480	2069602.391	6003993.377	STRIPE
1481	2069636.119	6003641.966	AP
1482	2069604.084	6003747.941	AP
1483	2069603.471	6003884.921	AP
1484	2069625.014	6003814.822	AP
1485	2069583.543	6003802.309	AP
1486	2069629.880	6003810.286	AP
1487	2069618.009	6003781.364	AP
1488	2069594.455	6003795.398	AP
1489	2069604.974	6003762.275	AP
1490	2069625.532	6003756.476	AP

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PTN: 69070-97
CONSTRUCTION DOCUMENTS
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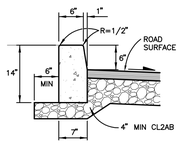
SHEET TITLE

LAYOUT, SIGNING & STRIPING PLAN

SHEET NUMBER
ADD 02
02.08

C7.1

02-21-18 kelly \3874\dwg\3874 05\3874-05-BASE-PHASE 2 alt remove courtyard.dwg TAB: C7.1 LAYOUT STRIPING

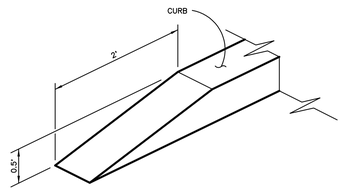


TYPE ① STANDARD VERTICAL CURB

NOT TO SCALE

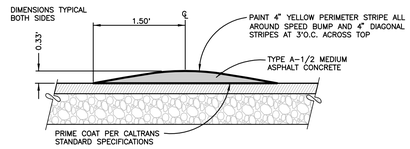
CURB NOTES

1. CONTROL JOINT SHALL BE 1/8" WIDE x 1-1/2" DEEP IN CURBS AND 1/8" WIDE x 1" IN SIDEWALKS AND BE INSTALLED AT 15' O.C. MAX SPACING.
2. EXPANSION JOINT (60' O.C. MAX SPACING EACH WAY UNLESS NOTED OTHERWISE ON PLAN)
3. MATERIAL FOR EXPANSION JOINT SHALL BE 1/4" THICK PREMOLDED JOINT FILLER AND SHALL EXTEND THROUGH THE FULL THICKNESS OF CONCRETE.
4. EXPANSION JOINTS SHALL BE INSTALLED IN CURB AND GUTTER AT ALL CURB RETURNS AND GUTTER AT ALL CURB RETURNS, AND AT EACH SIDE OF STRUCTURES. THE EXPANSION JOINTS REQUIRED AT 60' INTERVALS MAY BE REPLACED WITH CONTROL JOINTS IF CURB AND GUTTER ARE PLACED WITH AN EXTRUSION MACHINE.



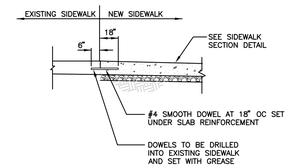
2' CURB TRANSITION

NOT TO SCALE



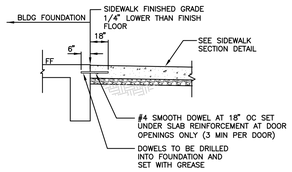
SPEED BUMP

NOT TO SCALE



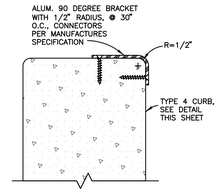
DOWLING AT EXISTING SIDEWALK

NOT TO SCALE



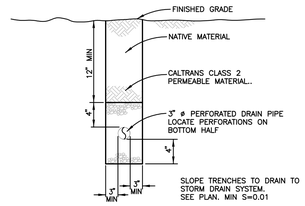
FOUNDATION/SIDEWALK DOWLING AT EX BUILDING DOORWAYS

NOT TO SCALE



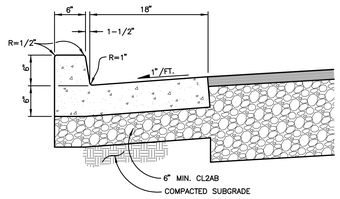
SKATEBOARD DETERRENT

NOT TO SCALE



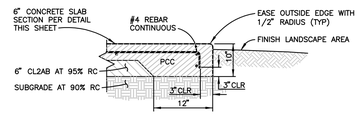
SUBDRAIN

NOT TO SCALE



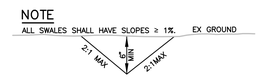
TYPE ② CURB AND GUTTER

NOT TO SCALE



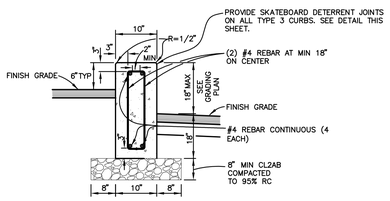
PCC PAVING EDGE

NOT TO SCALE



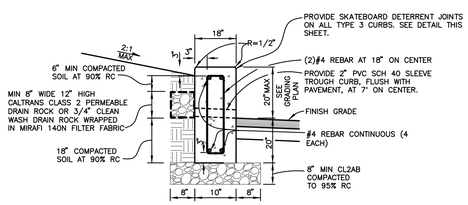
TYPICAL EARTH SWALE

NOT TO SCALE



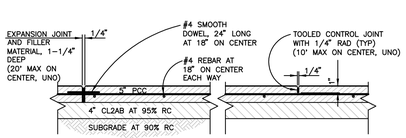
TYPE ③ 18" HIGH CURB

NOT TO SCALE



TYPE ④ 18" WIDE CURB

NOT TO SCALE

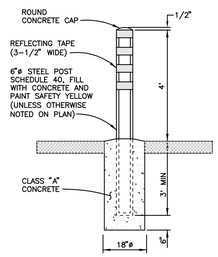


NOTES

1. SCORE MARKS SHALL BE THE SAME WIDTH OF THE SIDEWALK. SCORE MARKS FOR SIDEWALKS WIDER THAN 6' SHALL HAVE A LONGITUDINAL SCORE MARK ALONG THE CENTER OF THE WALK.
2. CONCRETE WALK SHOULD BE DOWELED (WITH 24" LONG SMOOTH DOWEL) 6" DEEP INTO PROPOSED BUILDING FOUNDATIONS ADJACENT TO DOORWAYS AND 6" DEEP INTO CURBS WITH #4 SMOOTH DOWEL @ 18" O.C.
3. EXPANSION JOINTS SHALL BE PLACED IN THE SIDEWALK AT THE SAME LOCATION AS THOSE IN THE CURB AND GUTTER WHEN THE SIDEWALK IS ADJACENT TO THE CURB.

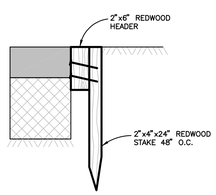
PEDESTRIAN PCC WALK SECTION AND JOINT

NOT TO SCALE



FIXED BOLLARD

NOT TO SCALE



REDWOOD HEADER

NOT TO SCALE

QUATTROCCHI KWOK ARCHITECTS
636 FIFTH ST.
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REGISTERED PROFESSIONAL ENGINEER — PAUL BRELJE — No. 40512 — Exp. 3-31-18 — Civil — STATE OF CALIFORNIA — 01-24-18

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Modernization - Phase 2

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IDENTIFICATION STAMP
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DATE_____

REVISIONS

1	02/21/18	ADDENDUM 2

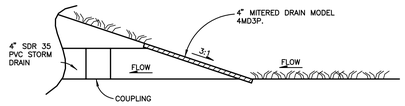
ARCH PROJECT NO: 1277.04/3874.05
DRAWN BY: PIT
DRAWING SCALE: AS SHOWN
PTN: 69070-97

CONSTRUCTION DOCUMENTS
02-21-18
SHEET TITLE

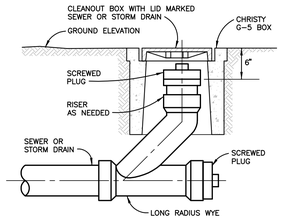
DETAILS

SHEET NUMBER
ADD 02
02.09
C8.1

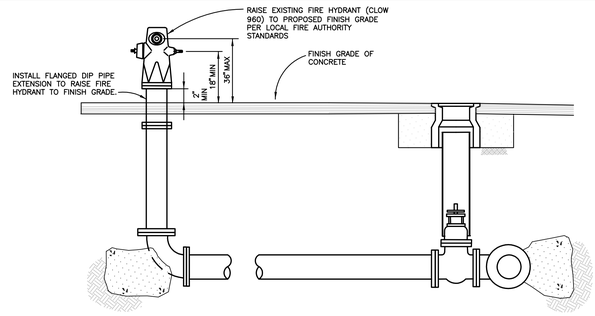
02-21-18 kelly J:\3874\dwg\3874 05\3874.05-DETAIL-PHASE 2 alt remove courtyard.dwg TAB: C8.1 DETAIL



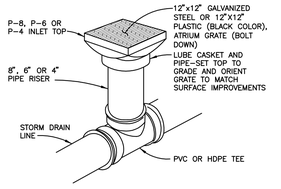
MITERED DRAIN INLET
NOT TO SCALE



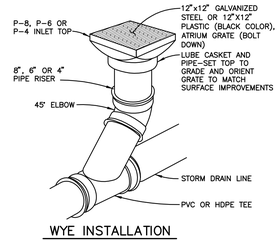
SDCO
NOT TO SCALE



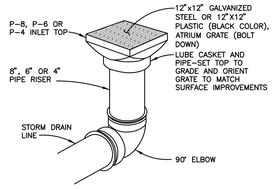
RAISE EXISTING FIRE HYDRANT
NOT TO SCALE



TEE INSTALLATION

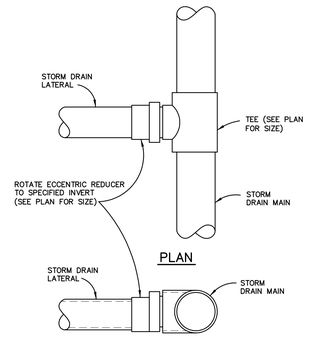


WYE INSTALLATION

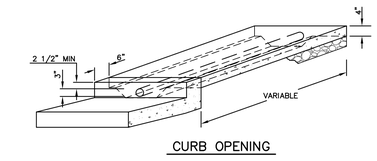


END OF LINE INSTALLATION

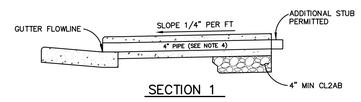
SDDI – P4, P6 AND P8
NOT TO SCALE

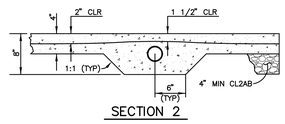


BLIND CONNECTION
NOT TO SCALE

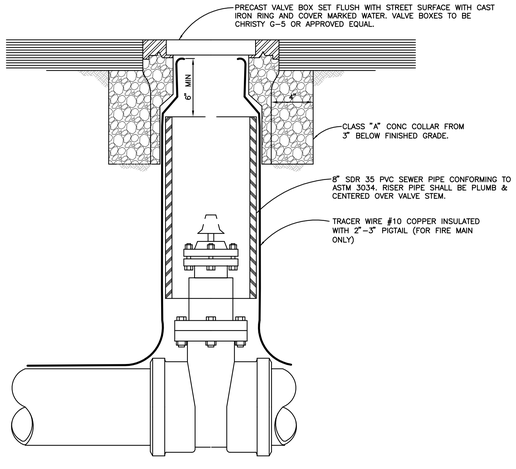


NOTES
1. WIRE MESH SHALL BE 2' WIDE. LENGTH SHALL EQUAL SIDEWALK WIDTH MINUS 4". IF SIDEWALK EXISTING, SEE NOTE.
2. ON SITE DRAINAGE AND LOCATION OF CURB OUTLETS SHALL BE BY THE OWNER TO THE SATISFACTION OF THE TOWN ENGINEER.
3. DRAIN PIPE SHALL BE INSTALLED SO THAT TOP OF PIPE IS 2 1/2" MIN BELOW FINISH GRADE AT BACK OF SIDEWALK.
4. SIDEWALK DRAIN TO BE 4" SCH 40 HEAVY WALL RIGID POLYVINYL CHLORIDE PIPE OR APPROVED SUBSTITUTE.

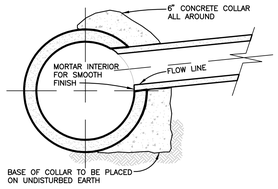




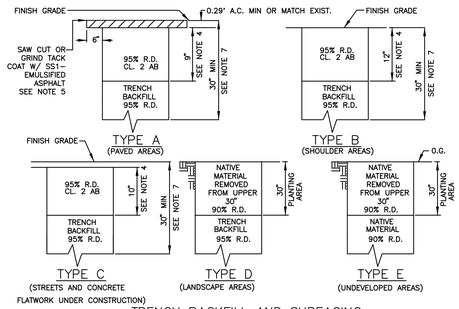
SIDEWALK DRAIN
NOT TO SCALE

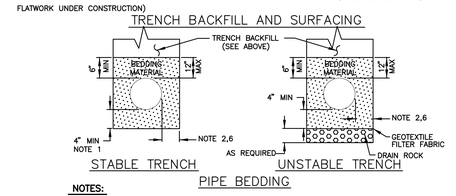


GATE VALVE BOX INSTALLATION
NOT TO SCALE



BLIND CONNECTION (NEW SD TO OLD SD)
NOT TO SCALE





NOTES:
1. 1/4 PIPE O.D. OR 4" MIN WHEN EXCAVATION IS IN ROCKY GROUND.
2. PIPE DIAMETER 18" OR LESS: 6" MIN, 9" MAX PIPE DIAMETER GREATER THAN 18": 9" MIN, 12" MAX
3. RELATIVE COMPACTION DESIGNATED R.C.
4. THE ONSITE STRUCTURAL SECTION SHALL BE A MIN OF 0.29' A.C. ON 0.75' A.B. OR MATCH EXISTING PAVEMENT THICKNESS . WITHIN THE PUBLIC RIGHT OF WAY SHALL CONFORM TO CITY OF SOUTH FRANCISCO AND CALIFORNIA WATER COMPANY STANDARDS.
5. NEATLY CUT PAVEMENT SIX INCHES FROM EDGE OF TRENCH AFTER TRENCH IS BACKFILLED.
6. TRENCHING AND BACKFILLING WITHIN THE PUBLIC RIGHT OF WAY SHALL CONFORM WITH CITY OF SOUTH SAN FRANCISCO AND CALIFORNIA WATER COMPANY STANDARDS.
7. PIPE BEDDING MATERIAL SHALL BE COMPACTED TO 90% RELATIVE COMPACTION AND INSTALL IN LIFTS OF NO MORE THAN 4 INCHES THICK.

MATERIAL SPECIFICATIONS:

PIPE BEDDING AND TRENCH BACKFILL MATERIAL SHALL BE A WELL GRADED GRAVEL/SAND MATERIAL AND SHALL HAVE A MINIMUM SAND EQUIVALENT VALUE OF 30 AND SHALL CONFORM TO THE FOLLOWING GRADINGS:

	PERCENT PASSING								
	6"	3"	1"	3/4"	1/2"	3/8"	NO. 4	NO. 30	NO. 200
PIPE BEDDING	–	–	100	90–100	–	65–100	30–100	–	0–15
TRENCH BACKFILL	100	100	–	–	–	–	40–100	10–100	

AGGREGATE BASE SHALL BE CLASS 2 AND SHALL CONFORM TO THE PROVISIONS OF SECTION 26, "AGGREGATE BASE", OF THE CALTRANS STANDARD SPECIFICATIONS, LATEST EDITION.

NATIVE MATERIAL
NATIVE MATERIAL USED AS BACKFILL SHALL BE FREE OF ORGANIC MATTER, REFUSE OR OTHER UNSATISFACTORY MATERIALS, STONES, OR LUMPS GREATER THAN OR EXCEEDING 3" IN GREATEST DIMENSION.

DRAIN ROCK SHALL BE CONSOLIDATED WITH A SURFACE VIBRATOR.

PIPE BEDDING MATERIAL USED TO GRADE THE TRENCH SHALL BE CONSOLIDATED WITH A SURFACE VIBRATOR WHEN IT IS PLACED OVER DRAIN ROCK OR WHEN DEPTH IS GREATER THAN 12".

PIPE BEDDING MATERIAL SHALL EITHER BE HAND TAMPED UNDER AND AT THE SIDES OF THE PIPE IN LIFTS NOT GREATER THAN 6" INITIAL PLACEMENT OF BEDDING TO A POINT BETWEEN SPRING-LINE AND TOP OF PIPE, OR SHAPED AND COMPACTED PRIOR TO PIPE INSTALLATION.

GENERAL: THE COMPACTION REQUIREMENTS SHALL BE ACHIEVED UTILIZING METHODS AND EQUIPMENT APPROVED BY THE DISTRICT. ANY METHOD OF COMPACTION WHICH FAILS TO UNIFORMLY ACHIEVE THE REQUIRED LEVELS OF COMPACTION THROUGHOUT THE LENGTH AND DEPTH OF TRENCHES SHALL BE DISCONTINUED. COMPACTION METHODS AND EQUIPMENT SHALL BE SUCH AS NOT TO DAMAGE THE INSTALLED PIPE, EXCEED ITS LOADING CAPACITY, OR DISTURB ITS ALIGNMENT. FLOODING, PONDING, OR THE USE OF DROP HAMMER TYPE COMPACTION EQUIPMENT WILL NOT BE ALLOWED.

MECHANICAL COMPACTION: TRENCH BACKFILL SHALL BE PLACED IN UNIFORM, HORIZONTAL LAYERS NOT EXCEEDING EIGHT (8) INCHES IN THICKNESS BEFORE COMPACTION. EACH LAYER SHALL BE COMPACTED, USING MECHANICAL MEANS, TO THE SPECIFIED DENSITY SHOWN ON THE PLANS.

STANDARD TRENCH DETAILS
NOT TO SCALE

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REVISIONS

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DRAWN BY: PIT
DRAWING SCALE: AS SHOWN
PTN: 69070-97

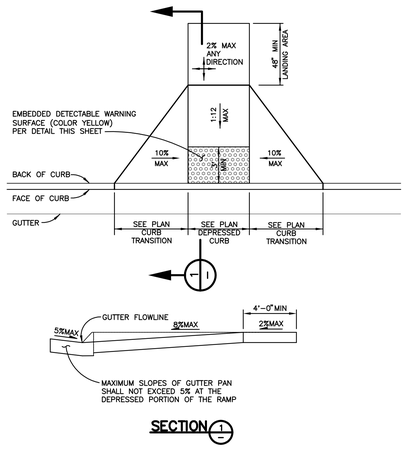
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02-21-18

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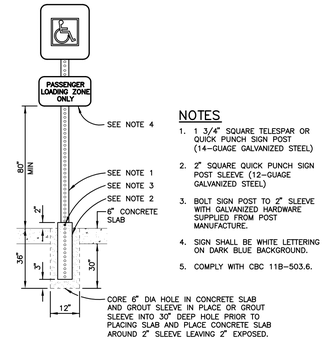
SHEET NUMBER
ADD 02
02.10
C9.1

02-21-18 kelly \3874\dwg\3874_05\3874-05-DETAIL-PHASE 2 alt remove courtyard.dwg TAB: C9.1 DETAIL



PEDESTRIAN RAMP TYPE A

NOT TO SCALE

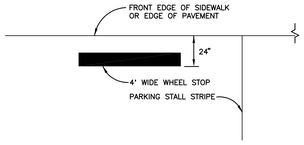


NOTES

1. 1 3/4" SQUARE TELESPAR OR QUICK PUNCH SIGN POST (14-GUAGE GALVANIZED STEEL)
2. 2" SQUARE QUICK PUNCH SIGN POST SLEEVE (12-GUAGE GALVANIZED STEEL)
3. BOLT SIGN POST TO 2" SLEEVE WITH GALVANIZED HARDWARE SUPPLIED FROM POST MANUFACTURE.
4. SIGN SHALL BE WHITE LETTERING ON DARK BLUE BACKGROUND.
5. COMPLY WITH CBC 11B-503.6.

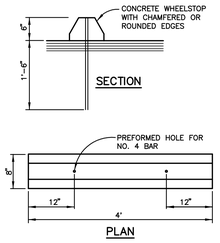
PASSENGER DROP-OFF SIGN

NOT TO SCALE



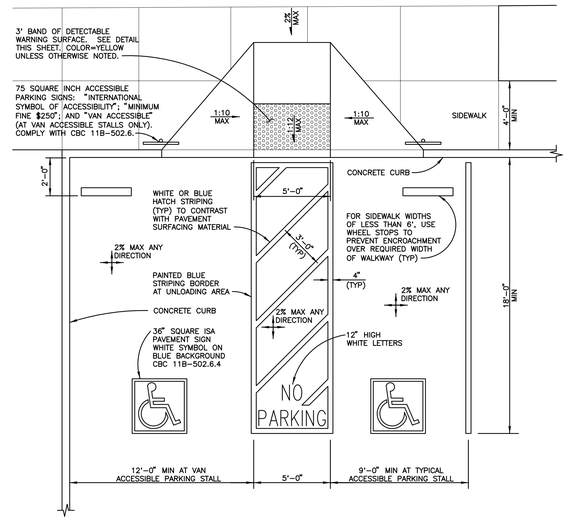
WHEEL STOP LAYOUT

NOT TO SCALE



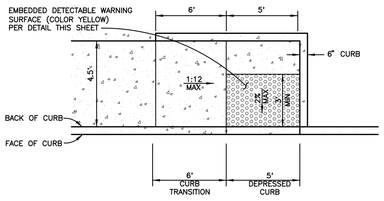
WHEEL STOP

NOT TO SCALE



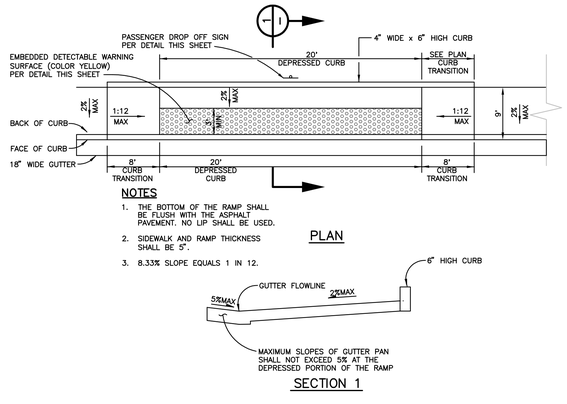
ACCESSIBLE PARKING STALLS

SCALE: 1/4"=1'



PEDESTRIAN RAMP TYPE B

NOT TO SCALE

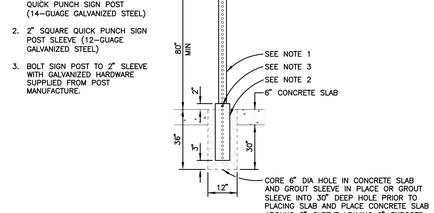


NOTES

1. THE BOTTOM OF THE RAMP SHALL BE FLUSH WITH THE ASPHALT PAVEMENT. NO LIP SHALL BE USED.
2. SIDEWALK AND RAMP THICKNESS SHALL BE 5".
3. 8.33% SLOPE EQUALS 1 IN 12.

PASSENGER DROP OFF RAMP

NOT TO SCALE



NOTES

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3. BOLT SIGN POST TO 2" SLEEVE WITH GALVANIZED HARDWARE SUPPLIED FROM POST MANUFACTURE.

ACCESSIBLE PARKING SIGN

NOT TO SCALE



R99C (CA) SIGN



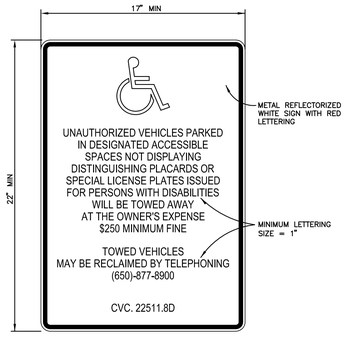
R99B (CA) SIGN

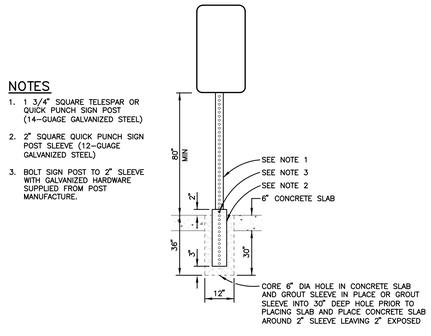


R7-8b SIGN

ACCESSIBLE PARKING SIGNS

NOT TO SCALE



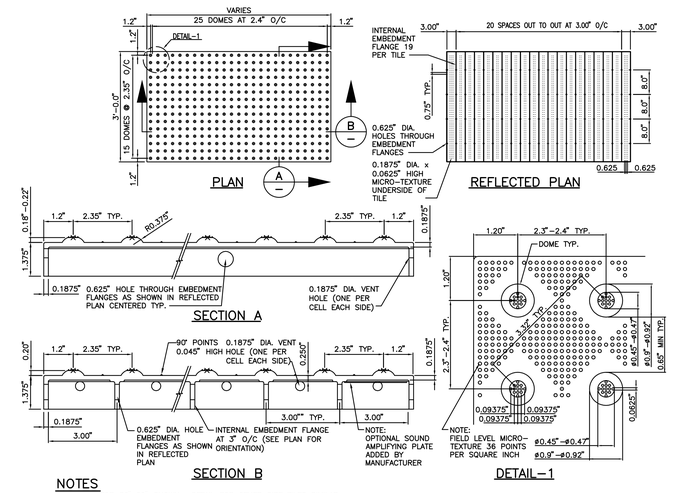


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PARKING ENTRANCE SIGN

NOT TO SCALE



NOTES

1. DETAIL FOR 36"x60" SHOWN. DETAIL FOR OTHER SIZE TILES SIMILAR.
2. TILE COLOR TO BE YELLOW.
3. TILES TO BE PLACED FULL WIDTH OF RAMP, EXCLUDING FLARES, AND A MINIMUM LENGTH OF 3FT IN THE DIRECTION OF TRAVEL.

EMBEDDED DETECTABLE WARNING SURFACE

NOT TO SCALE

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DRAWN BY:	PIT
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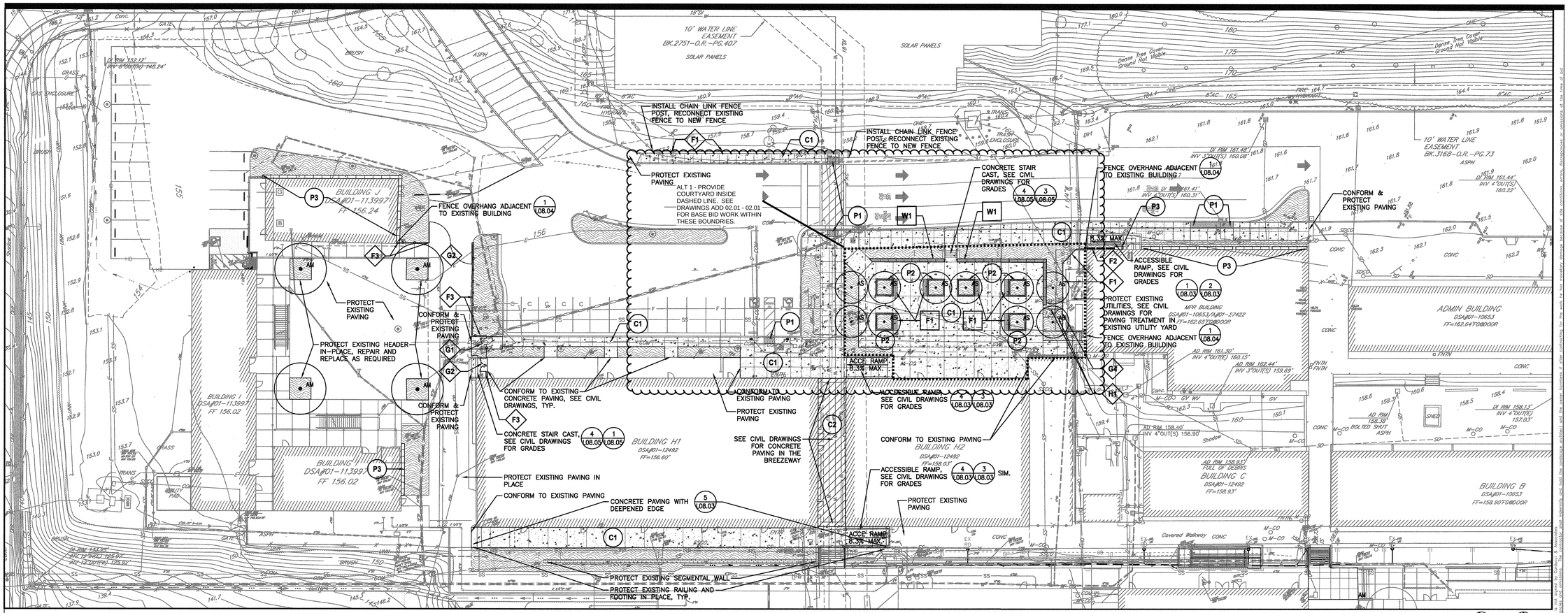
CONSTRUCTION DOCUMENTS
02-21-18

SHEET TITLE

DETAILS

SHEET NUMBER
ADD 02
02.11
C10.1

02-21-18 kelly \3874\(new)\3874 05\3874.05-DETAIL-PHASE 2 alt remove courtyard.dwg Tab: C10.1 DETAIL



PLAN

0 20 40 FEET NORTH PLAN NORTH

MATERIALS LEGEND (CONTINUE)

SYMBOL	KEY	DESCRIPTION
		FENCING AND GATE
	F1	6' HIGH MIN. CHAIN LINK FENCE (HOLD TOP OF FENCE LEVEL AT THE UTILITY YARD) (1/L08.02) (2/L08.02)
	F2	GREEN SCREEN MODULAR PANEL: MAKE: GREEN SCREEN SIZE: 4' WIDE BY 6' HIGH & 3" THICK PANEL WITH #5132R MOUNTING CLIPS AND MANUFACTURER MOUNTING OPTIONS ON EXISTING MASONRY WALL. WATER TIGHT SEAL ALL DRILLS @ EXPANSION ANCHORS. PANEL COLOR: MATTE TEXTURE BLACK (1/L08.06) (3/L08.06) (2/L08.06)
	F3	ORNAMENTAL FENCE, SEE ARCHITECTURAL DRAWINGS
	G1	ORNAMENTAL FENCE ACCESSIBLE GATE, SEE ARCHITECTURAL DRAWINGS
	G2	ORNAMENTAL FENCE DOUBLE GATE 6' WIDE, SEE ARCHITECTURAL DRAWINGS
	G3	ORNAMENTAL FENCE DOUBLE GATE 20' WIDE, SEE ARCHITECTURAL DRAWINGS
	G4	CHAIN LINK FENCE MAINTENANCE GATE 4' WIDE WITH PANIC HARDWARE (2/L08.04) (4/L08.04)

MATERIAL NOTES

1. SEE CIVIL DRAWINGS FOR VEHICULAR PAVING, AC PAVING
2. SEE CIVIL DRAWINGS FOR VEHICULAR CONCRETE CURB, CURB RAMP AND TRUNCATED DOMES.
3. SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR EMERGENCY VEHICULAR ACCESS
4. SEE CIVIL DRAWING FOR GRADING AND DRAINAGE
5. SEE TOPOGRAPHIC SURVEY FOR (E) CONDITIONS
6. SEE ARCHITECTURAL DRAWINGS FOR PATH OF TRAVEL.
7. SEE CIVIL DRAWINGS FOR CONFORMATION TO EXISTING PAVING
8. SEE CIVIL DRAWINGS FOR DEMOLITION AND PROTECTION
9. SEE CIVIL DRAWINGS FOR EXISTING PAVING PROTECTION

PATH OF TRAVEL NOTES

1. BARRIER FREE ACCESS ROUTE WITH FOLLOWING CHARACTERISTICS:
   - A. LESS THAN 1:20 MAXIMUM SLOPE WITHOUT RAMP
   - B. LESS THAN 1:50 MAXIMUM CROSS SLOPE
   - C. NO ABRUPT CHANGES IN LEVEL
   - D. 48" MIN CLEAR IN WIDTH
   - E. NON–SLIP SURFACE
   - F. ACCESSIBLE PATH SHALL HAVE NO ABRUPT VERTICAL CHANGES EXCEEDING 1/2" AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4".
   - G. CONTRACTOR TO VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED IN THIS PROJECT, & THAT PATH OF TRAVEL COMPLIES WITH CBC 1133B.
2. CONSTRUCT ALL PAVED AREAS TO DRAIN

MATERIALS LEGEND

SYMBOL	KEY	DESCRIPTION
		CONC PAVING SERIES
EJ	C1	PEDESTRIAN CONC PAVING COLOR: NATURAL W/ LAMP BLACK (1/L08.01) (2/L08.01) FINISH: MEDIUM BROOM
		CONTROL JOINT
		EXPANSION JOINT (EJ), SEE LAYOUT PLAN
	C2	CONCRETE PAVING IN BREEZEWAY, SEE CIVIL DRAWINGS
	P1	TRUNCATED DOME, SEE CIVIL DRAWINGS
	P2	CONCRETE CURB PLANTER (6/L08.01)
	P3	18" WIDE CONCRETE BAND ADJACENT TO BUILDING @ PLANTING AREA (5/L08.01)
		CONCRETE STAIR WITH HANDRAILS AND CHEEK WALLS, COLOR TO BE NATURAL WITH LAMP BLACK, FINISH: HEAVY BROOM FINISH PERPENDICULAR TO PATH OF TRAVEL. SEE CIVIL DRAWING FOR GRADES (4/L08.05)
		CONCRETE ACCESSIBLE RAMP WITH HANDRAILS, SEE CIVIL DRAWING FOR GRADES (2/L08.03) (3/L08.03)
		PLANTING SERIES
		MULCH
		PLANTING, SEE PLANTING LEGEND AND PLAN
KEY		TREE PLANTING, SEE PLANTING LEGEND AND PLAN
		SITE FURNISHINGS
	F1	BENCH 8'. MAKE: DUMOR, INC. CONTACT ROSS RECREATION (707) 538.3800 MODEL: 35 SERIES WOOD BENCH WITH IPE S4S EE. SIZE: 8' COLOR: TEXTURED SILVER. FINISH: IPE WOOD. SURFACE MOUNT
		ACCESSIBLE SEATING (5/L08.04) (6/L08.04)
		WALL
	W1	18" WIDE CONCRETE WALL, SEE CIVIL DRAWING C.8
		EDGING
	H1	HEADER AT AC (4/L08.01)

LEGEND

SYMBOL	DESCRIPTION
	PROPERTY LINE
	(E) CONDITIONS, SEE TOPOGRAPHIC SURVEY

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REGISTERED LANDSCAPE ARCHITECT JEFFREY T. KATZ 2926 8.31.2017 08.08.2017 STATE OF CALIFORNIA

QKA16–09

Parkway Heights Middle School

Modernization - Phase 2

650 Sunset Ave
South San Francisco, CA 94080
(SSFUSD #01-17)

South San Francisco Unified School District
398 B Street
South San Francisco CA 94080-4423

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO: 41-28
APPL NO: 01-116522
AC_____ FLS_____ SS_____
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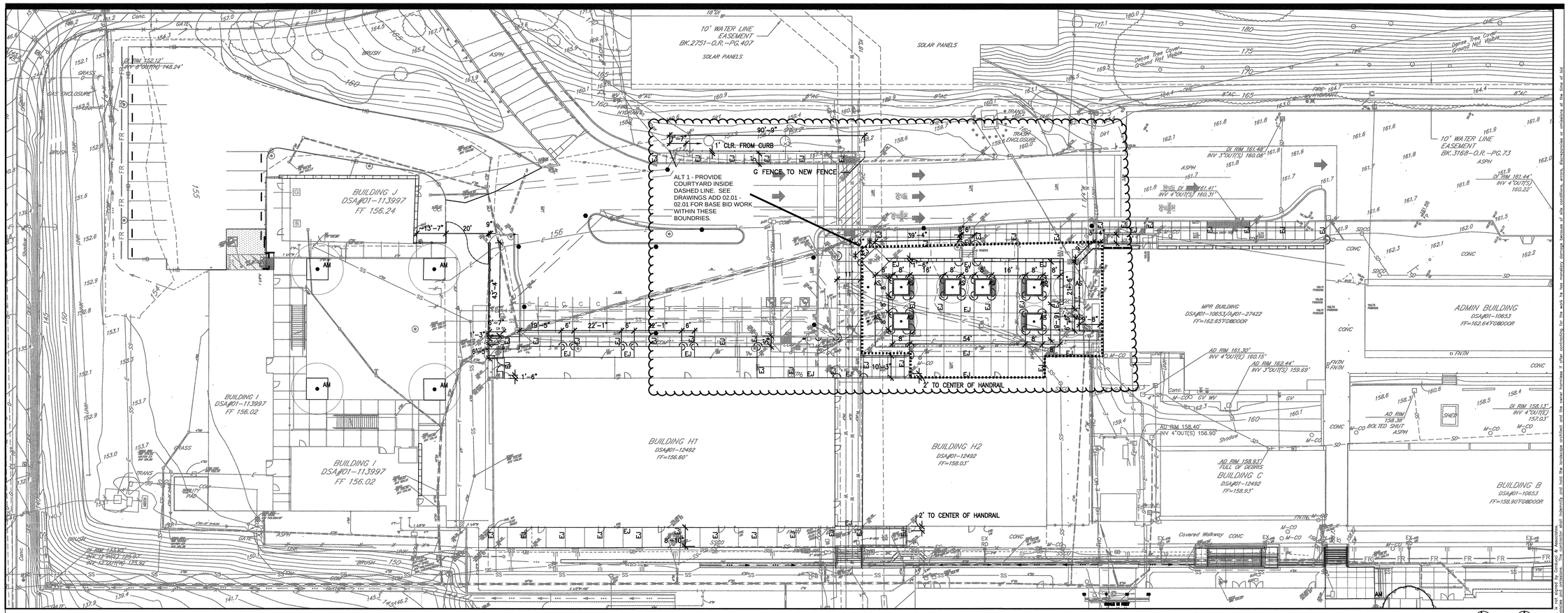
1	2/21/18	ADDENDUM 2

ARCH PROJECT NO: 1277.04
DRAWN BY:
DRAWING SCALE:
PTN: 69070–97
DSA BACKCHECK
10/17/17

SHEET TITLE
MATERIALS LEGEND & PLAN

SHEET NUMBER
L01.00
ADD 02
02.12

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PLAN

LAYOUT LEGEND

SYMBOL	DESCRIPTION
℄	CENTER LINE
	CONFORM LINE
CJ EJ CJ	CONTROL JOINT, UON (2 / L8.01) EJ – EXPANSION JOINT GRADE @ EDGE (3 / L8.01) CJ – COLD JOINT WHERE NEW PAVING MEETS (E) PAVING (2 / L8.01)
	ALIGN
	CONFORM
+	CENTER OF ARC
R	RADIUS

LAYOUT NOTES

1. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER OF DISCREPANCIES PRIOR TO CONTINUANCE OF WORK.
2. DO NOT SCALE OFF OF PLANS.
3. FIELD VERIFY LOCATIONS OF THE UNDERGROUND UTILITIES, CALL USA ALERT (800) 642-2444 AT LEAST 48 HOURS PRIOR TO EXCAVATION.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO EXISTING FACILITIES SHOWN TO REMAIN, INCLUDING ROADS AND OTHER STREET IMPROVEMENTS.
5. ANGLES 90° UNLESS OTHERWISE NOTED. ALIGN CORNERS & INTERSECTIONS TYP UNLESS OTHERWISE NOTED.
6. SEE DETAIL SHEETS AND SPECIFICATIONS FOR MORE INFORMATION.
7. SEE TOPOGRAPHIC SURVEY FOR (E) CONDITIONS
8. PLAN DIMENSIONS ARE ROUNDED TO NEAREST 1/4 INCH.
9. SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
10. LANDSCAPE ARCHITECT WILL MAKE CAD FILES AVAILABLE FOR USE BY FIELD ENGINEER UPON REQUEST.

PATH OF TRAVEL NOTES

1. BARRIER FREE ACCESS ROUTE WITH FOLLOWING CHARACTERISTICS:
   - A. LESS THAN 1:20 MAXIMUM SLOPE WITHOUT RAMP
   - B. LESS THAN 1:50 MAXIMUM CROSS SLOPE
   - C. NO ABRUPT CHANGES IN LEVEL
   - D. 48" MIN CLEAR IN WIDTH
   - E. NON-SLIP SURFACE
   - F. ACCESSIBLE PATH SHALL HAVE NO ABRUPT VERTICAL CHANGES EXCEEDING 1/2" AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4".
   - G. CONTRACTOR TO VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED IN THIS PROJECT, & THAT PATH OF TRAVEL COMPLIES WITH CBC 1133B.
2. CONSTRUCT ALL PAVED AREAS TO DRAIN

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REGISTERED LANDSCAPE ARCHITECT JEFFREY T. LAYTON No. 5004 8.31.2017 08.08.2017 STATE OF CALIFORNIA

QKA16-09

Parkway Heights Middle School

Modernization - Phase 2

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ARCH PROJECT NO: 1277.04
DRAWN BY:
DRAWING SCALE:
PTN: 69070-97

DSA BACKCHECK
10/17/17

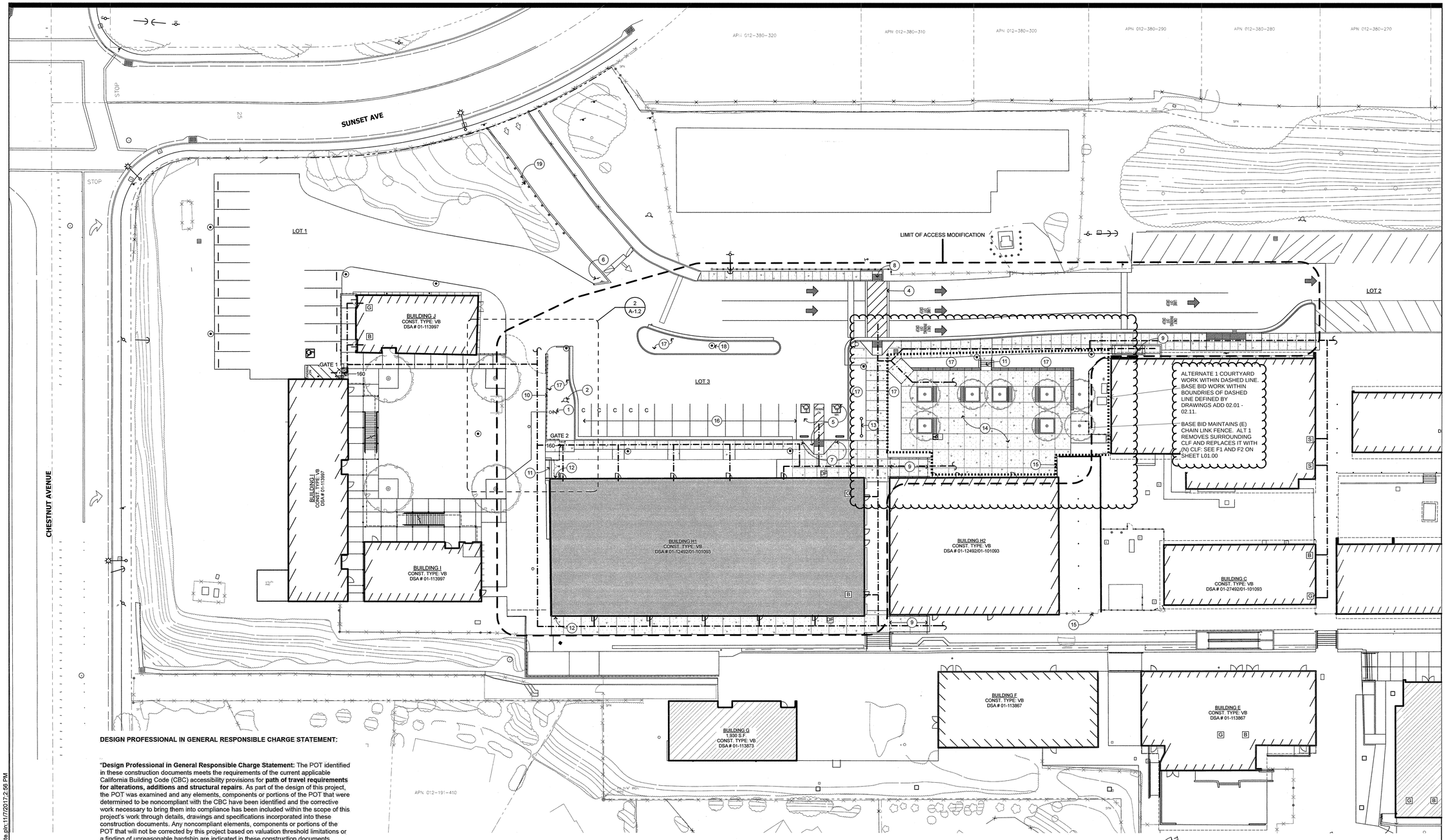
SHEET TITLE

LAYOUT LEGEND & PLAN

SHEET NUMBER

L02.00

ADD 02
02.13



DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:

"**Design Professional in General Responsible Charge Statement:** The POT identified in these construction documents meets the requirements of the current applicable California Building Code (CBC) accessibility provisions for **path of travel requirements for alterations, additions and structural repairs**. As part of the design of this project, the POT was examined and any elements, components or portions of the POT that were determined to be noncompliant with the CBC have been identified and the corrective work necessary to bring them into compliance has been included within the scope of this project's work through details, drawings and specifications incorporated into these construction documents. Any noncompliant elements, components or portions of the POT that will not be corrected by this project based on valuation threshold limitations or a finding of unreasonable hardship are indicated in these construction documents.

During construction, if POT items within the scope of the project represented as CBC compliant are found to be nonconforming beyond reasonable construction tolerances, the items shall be brought into compliance with the CBC as a part of this project by means of a construction change document."

SITE PLAN-ACCESS 1

1" = 20'

ACCESS SITE PLAN KEYNOTES

1. POST INDICATOR VALVES AND FIRE DEPARTMENT CONNECTIONS, S.C.D.
2. (E) FIRE HYDRANT
3. FIRE DEPARTMENT ACCESS GATE
4. PAINTED CROSSWALK, S.C.D.
5. ACCESSIBLE PARKING W/ RAMP, S.C.D. & S.L.D.
6. (E) ACCESSIBLE PARKING ENTRANCE SIGN PER DSA # 01-108863
7. ACCESSIBLE PARKING SIGN, S.C.D.
8. DETECTABLE WARNING SURFACE, TYP, S.C.D.
9. ACCESSIBLE RAMP W/ RAILING, S.L.D.
10. ORNAMENTAL FENCE, SEE: 10 / A-1.2
11. STAIR WITH RAILING, S.L.D.
12. REPLACE RWL PER DETAIL 13 / A-1.2
13. (E) DOUBLE CHECK DETECTOR BACKFLOW DEVICE
14. COURT YARD, S.L.D. & S.C.D.
15. (E) GATE
16. PARKING, S.C.D.
17. PLANTER, S.L.D.
18. ELECTRICAL ITEM, S.E.D.
19. (E) TOW AWAY SIGN PER DSA # 01-108863

PARKING SPACES ANALYSIS

	OVERALL SPACES	ACCESSIBLE SPACES	VAN ACCESSIBLE SPACES
PARKING LOT 1	16	-	1
PARKING LOT 2	43	2	1
PARKING LOT 3	15	1	1
TOTAL PROVIDED	**74**	**3**	**3**

	REQUIRED SPACES
CBC Table 11B-208.6 Accessible Parking Required: min 3 accessible spaces every 51-75 parking spaces	3

VAN ACCESSIBLE = 3
ACCESSIBLE SPACES = 3
TOTAL PROVIDED = 6

REQUIRED EGRESS WIDTH THROUGH GATES

OCCUPANTS FOR (E) BLDG I
FIRST FLOOR: 124 OCCUPANTS
SECOND FLOOR: 129 OCCUPANTS

OCCUPANTS FOR (E) BLDG J
TOTAL=67 OCCUPANTS

TOTAL OCCUPANTS TO EXIT THROUGH GATES 1 AND 2 = 320 OCCUPANTS

320x.2/PER PERSON=64" WIDTH REQUIRED
WIDTH PROVIDED = 84"

SITE PLAN GENERAL NOTES

1. FOR SITE DEMOLITION WORK, S.C.D.
2. ALL NEW WORK SHALL BE ACCESSIBLE. ALL NEW WALKWAYS SHALL CONFORM TO CBC 1133B.7.
3. EXTERIOR CONCRETE FLATWORK SHALL HAVE A MAXIMUM SLOPE OF 1:20 U.O.N.: EXTERIOR DOOR LANDINGS SHALL SLOPE 1/4" PER FOOT MAX FOR DRAINAGE. CONCRETE SHALL SLOPE MIN. 1/8" PER FOOT AWAY FROM BUILDINGS, S.C.D.
4. NON-SLIP SURFACE (HEAVY BROOM FINISH AT EXTERIOR CONCRETE PAVING WHERE SLOPED >6%, MEDIUM BROOM FINISH AT SLOPES <6%). REFER TO LANDSCAPE AND CIVIL DRAWINGS FOR SCORING, CONTROL AND EXPANSION JOINTS. ALL ENTRANCES ALONG ACCESSIBLE PATH OF TRAVEL ARE ACCESSIBLE ENTRANCES W/ SIGNAGE.
5. REFER TO CIVIL & LANDSCAPE DRAWINGS FOR EXTENT AND TYPES OF PAVING, PLANTERS, AND OTHER SITE FEATURES.
6.

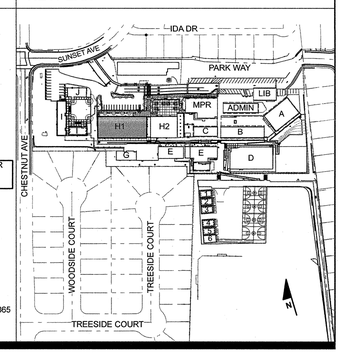
ACCESS SITE PLAN NOTES

1. SEE THIS SHEET FOR ACCESSIBLE PATH OF TRAVEL INFORMATION.
2. ALL NEW WORK SHALL BE ACCESSIBLE. ALL NEW WALKWAYS SHALL CONFORM TO CBC 1133B.7. PAVING MATERIALS NOT OTHERWISE NOTED SHALL BE CONCRETE PER SHEET C8
   - CONCRETE SHALL SLOPE MIN. 1/8" PER FOOT AWAY FROM BUILDINGS, S.C.D.
   - EXTERIOR DOOR LANDINGS SHALL SLOPE 1/4" PER FOOT MAX. AWAY FROM BUILDING FOR DRAINAGE.
3. REFER TO CIVIL ENGINEERING DWGS FOR SIDEWALK GRADES AND EXTENT OF UTILITIES.
4. REFER TO CIVIL ENGINEERING DRAWINGS FOR SITE FEATURES NOT OTHERWISE INDICATED
5. PARKING AND PEDESTRIAN SITE SIGNAGE SHALL COMPLY WITH CBC SECTIONS 1117B.5 & 1129B.4.
6. BUILDING SIGNAGE SHALL COMPLY WITH CBC 1117B.5
7. PEDESTRIAN GATES SHALL COMPLY WITH CBC 1008.2 & 1133B.2.
8. - - - - - INDICATES BARRIER FREE PATH OF TRAVEL
   - 1:20 MAXIMUM SLOPE WITHOUT A RAMP.
   - 1:50 MAXIMUM CROSS SLOPE.
   - NO ABRUPT VERTICAL CHANGES EXCEEDING 1/4". CHANGES BETWEEN 1/4" TO 1/2" VERTICAL CAN BE AT 1:2 MAX SLOPE. CHANGES LESS THAN 1/4" CAN BE VERTICAL.
   - 48" MIN. CLEAR IN WIDTH (60" MIN PASSING SPACE)
   - NON-SLIP SURFACE -HEAVY BROOM FINISH AT EXT CONC PAVING WHERE SLOPED >6%, MED BROOM FINISH AT SLOPES <6%
   - MAINTAIN FREE OF OVERHANGING OBSTRUCTIONS TO 80" MIN.
   - PROTRUDING OBJECTS NOT GREATER THAN 4" SHALL BE MOUNTED BETWEEN 27" AND 80" A.F.F.
   - WHERE A DRAIN INLET IS IN THE PATH OF TRAVEL, THE GRATE SHALL BE ORIENTED SO THAT MAX. OPENING IS 1/2" & LONG DIM IS PERPENDICULAR TO THE PREDOMINANT DIRECTION OF PEDESTRIAN TRAVEL.
   - CONTRACTOR TO VERIFY THAT NO BELOW-GRADE PULL BOXES OCCUR WITHIN THE AREA OF TRUNCATED DOMES.

SITE PLAN LEGEND

- (E) CHAIN LINK FENCE AND GATES
- CHAIN LINK FENCE AND GATES
- ORNAMENTAL FENCE AND GATES
- ACCESSIBLE PATH OF TRAVEL
- LIMIT OF ACCESS MODIFICATION
- (E) BUILDING
- (E) BUILDING: UNDER CONSTRUCTION
- MODERNIZATION
  MODERNIZED AREAS DO NOT ALTER OCCUPANCY OR CONSTRUCT TYPE OF THAT CERTIFIED UNDER DSA APPLICATION #01-12492 AND #01-101093
- CONC. S.C.D & S.L.D.
- 4 / A-1.2 — INDICATES FENCE/GATE ELEVATION ON SHEET A-1.2, (ELEVATION 4 ON SHEET NUMBER A-1.2)
- FH — FIRE HYDRANT
- PIV — POST INDICATOR VALVE
- B G S — ACCESSIBLE TOILETS PER DSA # 01-100242 & 01-113865 BOYS; GIRLS, STAFF
- DF — ACCESSIBLE DRINKING FOUNTAIN

KEYPLAN



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LICENSED ARCHITECT
KIM THESS
LICENSE # C22643
EXP. JUNE 30, 2019
STATE OF CALIFORNIA

SIGNED: 10/17/17

Parkway Heights Middle School

Modernization Phase 2

650 Sunset Ave
South San Francisco, CA 94080
(SSFUSD #01-17)

South San Francisco Unified School District

398 B Street South San Francisco CA 94080-4423

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ADD	2	2/20/18

ARCH PROJECT NO: 1277.04
DRAWN BY: ARW
DRAWING SCALE:
PTN: 69070-97

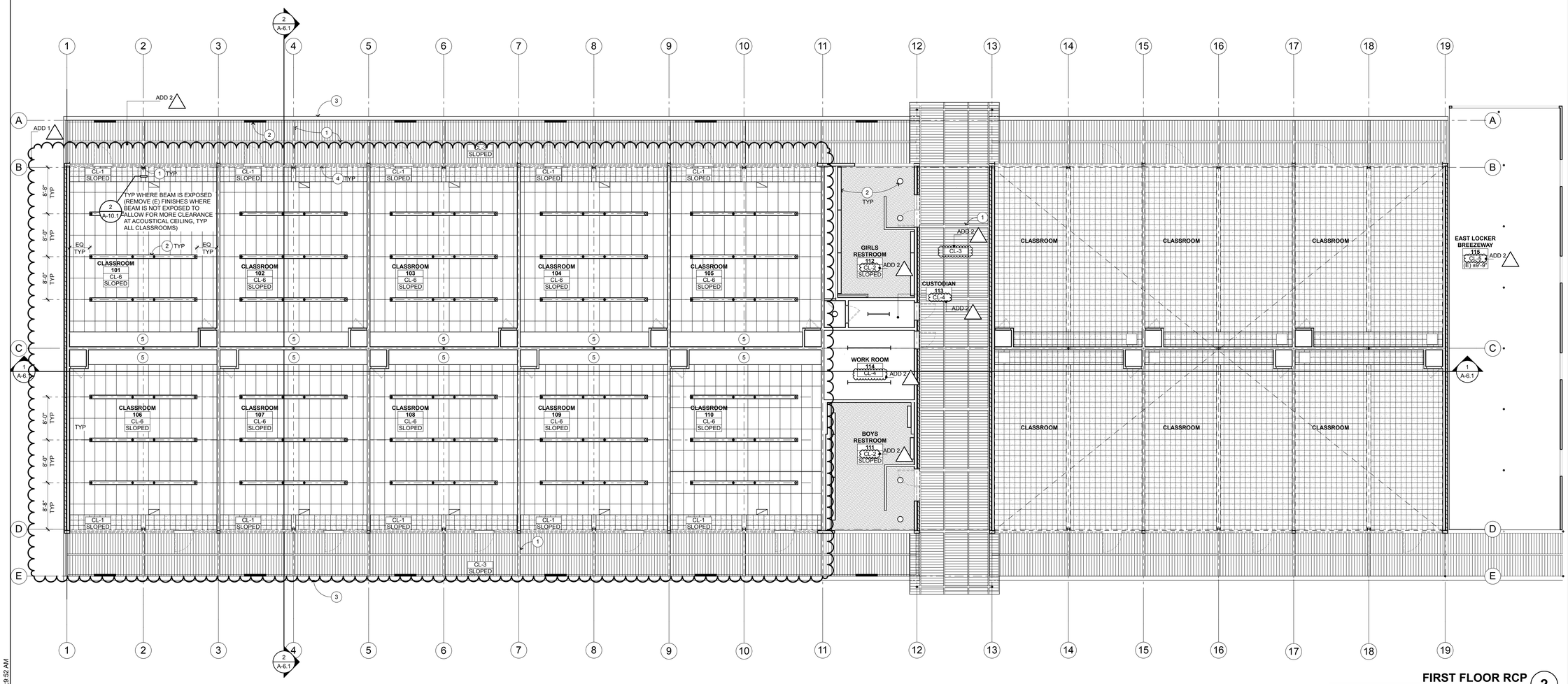
SHEET TITLE

SITE PLAN - ACCESS

SHEET NUMBER ADD 02 02.14

A-1.1

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FIRST FLOOR RCP 2

1/8" = 1'-0"

REFLECTED CEILING PLAN KEYNOTES

NOT ALL KEYNOTES MAY APPLY TO THIS SHEET

1. (E) EXPOSED STRUCTURE, PRESERVE AND PROTECT, PAINT
2. ELECTRICAL ITEM, S.E.D.
3. (E) GUTTER: PRESERVE AND PROTECT, PAINT
4. ROLLER SHADE: SEE 10/A-9.1, 2/A-9.1
5. REPAIR AND REFINISH (E) SOFFIT FINISH AS REQ'D; PAINT

REFLECTED CEILING PLAN GENERAL NOTES

1. NOTES & SYMBOLS ARE TO APPLY TO ALL AREAS OF SIMILAR GRAPHIC REPRESENTATION. SUCH INDICATIONS MAY BE LIMITED TO PROMOTE CLARITY OR AVOID REDUNDACY. NO LIMITATION OF APPLICATION SHALL BE CONSTRUED WITHOUT SPECIFIC NOTATION.
2. PENDANT LIGHT FIXTURE LOCATION DIMENSIONS ARE NOMINAL. VERIFY IN FIELD TO MAINTAIN 45° SWING CLEARANCES TO FIXED ELEMENTS.
3. S.E.D. FOR HORNS, SPEAKERS, PULL STATIONS, LIGHT FIXTURES AND OTHER FEATURES NOT OTHERWISE SHOWN.
4. S.E.D. FOR EXIT SIGNS & EMERGENCY LIGHTING CONDITIONS.
5. S.M.D. FOR PIPING, REGISTERS & VENTS NOT OTHERWISE SHOWN. MECHANICAL DUCT LOCATION DIMENSIONS ARE NOMINAL. VERIFY IN FIELD TO MAINTAIN CLEARANCES TO FIXED ELEMENTS.
6. CBC TABLE 601- ROOFS AND THEIR MEMBERS OTHER THAN THE STRUCTURAL FRAME MAY BE OF UNPROTECTED NON-COMBUSTIBLE MATERIALS WHEN EVERY PART OF ROOF FRAMING INCLUDING THE STRUCTURAL FRAME IS 20 FEET OR MORE ABOVE THE FLOOR IMMEDIATELY BELOW

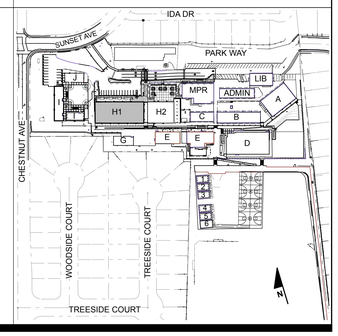
REFLECTED CEILING PLAN LEGEND

- 10'-0" / ROOM NAME / ROOM # / X'-X" — CL-XX REFERS TO CEILING FINISH CODE SEE BELOW. X'-X" REFERS TO FINISHED CEILING HEIGHT AFF. WHERE CEILING HEIGHT IS INDICATED AS "OPEN" OR "-", ROOM IS OPEN TO STRUCTURE ABOVE. FOR CEILING CONFIGURATION & HEIGHT WHERE CEILING HEIGHT IS INDICATED AS CURVED, SLOPING, OR VARIES, REFER TO SECTION DRAWINGS.
- GYP BD OVER (E) FRAMING
- 12"x12" GLUE ON ACOUSTIC TILE OVER (E) 1X3 FURRING STRIPS; SEE FINISH CODES
- (E) 6" T&G: PRESERVE AND PROTECT; PAINT
- (E) CONDITIONS TO REMAIN: NO NEW FINISHES
- 2'x4 SUSPENDED CEILING SYSTEM W/ ACOUSTIC TILE, SEE FINISH CODES
- DOORS SHOWN DASHED INDICATE DOOR BELOW. FOR DEMO, (E), AND (N) DOOR/FRAME INFORMATION SEE FLOOR PLANS & DOOR SCHEDULE
- ELECTRICAL ITEMS, S.E.D.
- MECHANICAL ITEMS, S.M.D.
- FIRE SPRINKLERS, S.F.P.D.

CEILING FINSH CODES FOR PAINT FINISHES SEE SEC. 09900

- CL-1 12"X12" GLUE ON ACOUSTIC TILE O/ (E) 1x3 FURRING STRIPS ALIGN JOINTS WITH SUSP CEILING JOINTS
- CL-2 GYPSUM BOARD O/ (E) FRAMING
- CL-3 (E) T&G: PRESERVE, PROTECT AND PAINT
- CL-4 (E) GYPSUM BOARD: PAINT
- CL-5 (E) PLASTER: PAINT
- CL-6 2X4 SUSPENDED ACOUSTIC CEILING TILE: SEE 8/A-10.3

KEYPLAN



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SIGNED: 11/09/17

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1	2-15-18	ADDENDUM 1
2	2-20-18	ADDENDUM 2

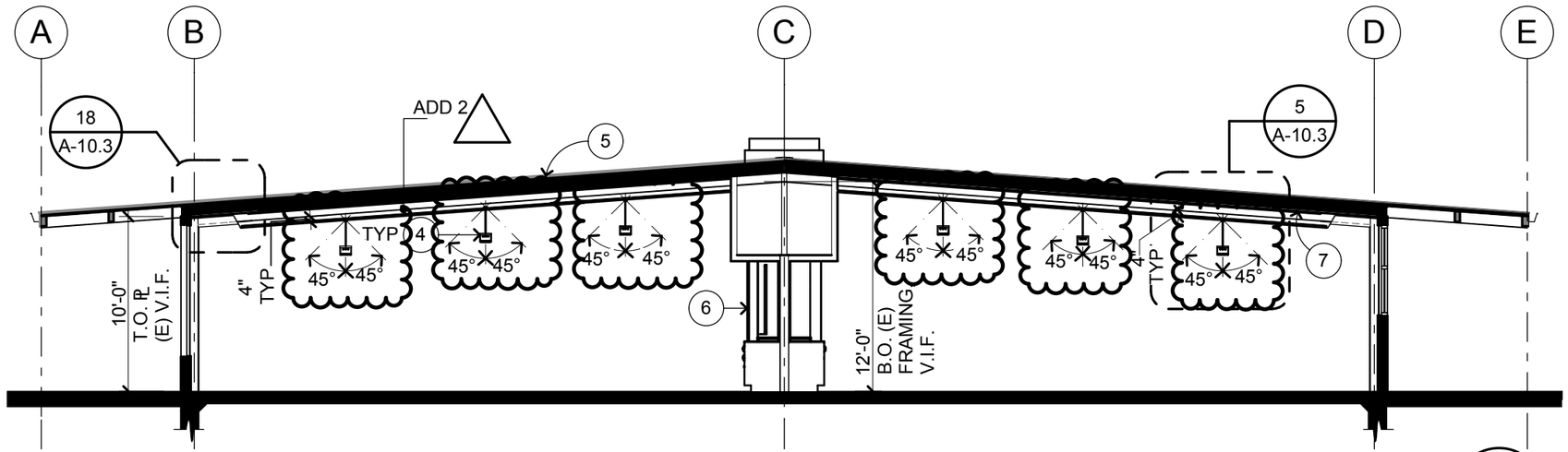
ARCH PROJECT NO: 1277.04
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DRAWING SCALE:
PTN: 69070-97

SHEET TITLE

REFLECTED CEILING PLAN

SHEET NUMBER
ADD 02
02.15
A-3.1

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BLDG CROSS SECTION 2

1/8" = 1'-0"

LICENSED ARCHITECT
JAMES THEIS
C-22643
June 30, 2017
STATE OF CALIFORNIA

QUATTROCCHI KWOK ARCHITECTS

Parkway Heights Middle School

SCALE: AS NOTED
DATE: 2/21/18
REFERENCE DRAWING: A-6.1 BUILDING SECTIONS

QKA JOB #:1277.04
DSA APP. #:01-116522
DSA FILE #:41-28

ADD 02.16

LUMINAIRE SCHEDULE

LC4B
- DESCRIPTION: SIMILAR TO TYPE LC3 EXCEPT WITH TYPE IV OPTICAL DISTRIBUTION WITH INTEGRAL BACKLIGHT SHIELD.
- MANUFACTURER: CREE #ARE-EDR-4MB-R5-04-E-UL-FINISH-40K / POLE #PS5R9.5C-1-FINISH
- POWER SUPPLY: INTEGRAL ELECTRONIC POWER SUPPLY
- LIGHT SOURCE: (40) INTEGRAL 4000K LED'S
- WATTS / VOLTAGE: 70W / 120-277

LUMINAIRE SCHEDULE

AA1
- DESCRIPTION: LED LINEAR SUSPENDED INDIRECT/DIRECT. 20 GAUGE DIE-FORMED STEEL HOUSING WITH FLAT DIE-FORMED STEEL FLAT END CAPS. 73% TRANSMISSIVE DIFFUSE CENTER OPTIC. RECTILINEAR PROFILE 7 5/8" W x 1 7/8" H x 20' LENGTH. 3 LIGHT ENGINES WITH FROSTED TOP OPTICS. FULLY ADJUSTABLE CABLE MOUNTING. STANDARD WHITE POWDER COAT PAINTED FINISH.
- MANUFACTURER: FINELITE: S16-LED-ID-DCO-20'(8',4',8')-3E-H-H-8-35-FTO-120V-SC-FA-FE-CEILING TYPE
- POWER SUPPLY: 0-10V DIMMING (10%-100%)
- LIGHT SOURCE: LED, 3500K, 80 CRI, 1294 LUMENS PER FOOT
- WATTS / VOLTAGE: 10.9 WATTS PER FOOT, 120V

AB1
- DESCRIPTION: NOT USED. (2)

AC1
- DESCRIPTION: LED STRIP LIGHT. HEAVY GAUGE COLD ROLLED STEEL HOUSING WITH POLYCARBONATE INJECTION MOLDED END CAPS. CONTOURED FROSTED ACRYLIC LENS. 2 1/2" W x 2 3/8" H x LENGTHS PER PLAN. STANDARD BAKED WHITE ACRYLIC MATTE HIGH REFLECTANCE PAINT FINISH.
- MANUFACTURER: PHILIPS DAY-BRITE: LF-4-FR-31-40-U-DZT
- POWER SUPPLY: 0-10V DIMMING
- LIGHT SOURCE: LED, 4000K, 80 CRI, 3129 LUMENS
- WATTS / VOLTAGE: 28.7 W, 120-277

AC2
- DESCRIPTION: SAME AS 'AC1', BUT 8' LONG
- MANUFACTURER: PHILIPS DAY-BRITE: LF-8-FR-31-40-U-DZT
- POWER SUPPLY: 0-10V DIMMING
- LIGHT SOURCE: LED, 4000K, 80 CRI, 6258 LUMENS
- WATTS / VOLTAGE: 57.4 W (APROX), 120-277

AD1
- DESCRIPTION: LED SURFACE MOUNTED DOWNLIGHT. ONE-PIECE INJECTION MOLDED PLASTIC FLANGE WITH HIGH TRANSMITTANCE LENSE. 5" DIAMETER x 5/8" HIGH. FINISH TO BE SELECTED BY ARCHITECT.
- MANUFACTURER: PHILIPS LIGHTOLIER: S5R-8-35K-7-FINISH-Z10U
- POWER SUPPLY: 0-10V DIMMING
- LIGHT SOURCE: LED, 3500K, 80 CRI, 650 LUMENS
- WATTS / VOLTAGE: 10.1 WATTS @ 120V, 12-277

AE1
- DESCRIPTION: LED WALL MOUNTED LINEAR DIRECT. EXTRUDED ALUMINUM HOUSING WITH DIE-CAST END CAPS. 3" HIGH x 3 7/8" EXTENSION x 4' LENGTH. FINISH TO BE SELECTED BY ARCHITECT.
- MANUFACTURER: LITECONTROL: 67-W-D-04-DM-FINISH-35K-D055-D10-1-UNV
- POWER SUPPLY: 0-10V DIMMING (10%-100%)
- LIGHT SOURCE: LED, 3500K, 550 LUMENS PER FOOT
- WATTS / VOLTAGE: 4.5 WATTS PER FOOT, 120-277

AE1E
- DESCRIPTION: SIMILAR TO TYPE AE1 EXCEPT WITH EMERGENCY BATTERY PACK.
- MANUFACTURER: LITECONTROL: 67-W-D-04-DM-FINISH-35K-D055-D10-1-UNV-1EF
- POWER SUPPLY: 0-10V DIMMING (10%-100%) + EMERGENCY BATTERY PACK
- LIGHT SOURCE: LED, 3500K, 550 LUMENS PER FOOT
- WATTS / VOLTAGE: 4.5 WATTS PER FOOT, 120-277

AE2
- DESCRIPTION: SIMILAR TO TYPE 'AE1', EXCEPT 8' LONG.
- MANUFACTURER: LITECONTROL: 67-W-D-08-DM-FINISH-35K-D055-D10-1-UNV
- POWER SUPPLY: 0-10V DIMMING (10%-100%)
- LIGHT SOURCE: LED, 3500K, 550 LUMENS PER FOOT
- WATTS / VOLTAGE: 4.5 WATTS PER FOOT, 120-277

AF1E
- DESCRIPTION: LED WET LOCATION LINEAR SURFACE MOUNT. 20 GAUGE ZINC COATED STEEL HOUSING. 0.140 50% DR EXTRUDED PRISMATIC ACRYLIC LENS.
- MANUFACTURER: PARAMOUNT LIGHTING: C2-1-L-4-3-EMD2
- POWER SUPPLY: CONSTANT CURRENT 24V DRIVER, 100mA + 12W EMERGENCY BATTERY PACK
- LIGHT SOURCE: LED, 4000K, 1200 LUMEN PER FOOT
- WATTS / VOLTAGE: 10 WATTS PER FOOT, 120-277

AF1
- DESCRIPTION: SIMILAR TO TYPE AF1E EXCEPT WITHOUT EMERGENCY BATTERY PACK.
- MANUFACTURER: PARAMOUNT LIGHTING: C2-1-L-4-3
- POWER SUPPLY: CONSTANT CURRENT 24V DRIVER, 100mA
- LIGHT SOURCE: LED, 4000K, 1200 LUMEN PER FOOT
- WATTS / VOLTAGE: 10 WATTS PER FOOT, 120-277

LB3B
- DESCRIPTION: POST TOP MOUNTED AREA LIGHT WITH DIE CAST ALUMINUM CONSTRUCTION, 40 LED OPTICAL PACKAGE WITH TYPE III OPTICAL DISTRIBUTION USING PATENTED NANO-OPTIC TECHNOLOGY WITH INTEGRAL BACKLIGHT SHIELD. 525MA OPERATING CURRENT WITH 4000K LED'S. MIN. 70 CRI WITH > 0.9 POWER FACTOR AND < 20% THD. AND 7074 MIN. LUMEN OUTPUT. FOUR POST SPIDER MOUNT TO 5" DIAMETER, 12' TALL STRAIGHT STEEL POLE. STANDARD PAINTED FINISH TO BE DETERMINED BY THE ARCHITECT.
- MANUFACTURER: CREE #ARE-EDR-3MB-R5-04-E-UL-FINISH-40K / POLE #PS5R12C-1-FINISH
- POWER SUPPLY: INTEGRAL ELECTRONIC POWER SUPPLY
- LIGHT SOURCE: (40) INTEGRAL 4000K LED'S
- WATTS / VOLTAGE: 70W / 120-277

LB5
- DESCRIPTION: SIMILAR TO TYPE LB2 EXCEPT WITH TYPE V OPTICAL DISTRIBUTION.
- MANUFACTURER: CREE #ARE-EDR-5M-R5-04-E-UL-FINISH-40K / POLE #PS5R12C-1-FINISH
- POWER SUPPLY: INTEGRAL ELECTRONIC POWER SUPPLY
- LIGHT SOURCE: (40) INTEGRAL 4000K LED'S
- WATTS / VOLTAGE: 70W / 120-277 (1)

LC3
- DESCRIPTION: POST TOP MOUNTED AREA LIGHT WITH DIE CAST ALUMINUM CONSTRUCTION, 40 LED OPTICAL PACKAGE WITH TYPE III OPTICAL DISTRIBUTION USING PATENTED NANO-OPTIC TECHNOLOGY. 525MA OPERATING CURRENT WITH 4000K LED'S. MIN. 70 CRI WITH > 0.9 POWER FACTOR AND < 20% THD. AND 7074 MIN. LUMEN OUTPUT. FOUR POST SPIDER MOUNT TO 5" DIAMETER, 9'-6" TALL STRAIGHT STEEL POLE MOUNTED ON 30" RAISED CONCRETE ANCHOR BASE. STANDARD PAINTED FINISH TO BE DETERMINED BY THE ARCHITECT.
- MANUFACTURER: CREE #ARE-EDR-3M-R5-04-E-UL-FINISH-40K / POLE #PS5R9.5C-1-FINISH
- POWER SUPPLY: INTEGRAL ELECTRONIC POWER SUPPLY
- LIGHT SOURCE: (40) INTEGRAL 4000K LED'S
- WATTS / VOLTAGE: 70W / 120-277

LC3B
- DESCRIPTION: SIMILAR TO TYPE LC3 EXCEPT WITH INTEGRAL BACKLIGHT SHIELD.
- MANUFACTURER: CREE #ARE-EDR-3MB-R5-04-E-UL-FINISH-40K / POLE #PS5R9.5C-1-FINISH
- POWER SUPPLY: INTEGRAL ELECTRONIC POWER SUPPLY
- LIGHT SOURCE: (40) INTEGRAL 4000K LED'S
- WATTS / VOLTAGE: 70W / 120-277

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REGISTERED PROFESSIONAL ENGINEER PATRICK J. O'MAHONY No.14738 Exp. 6/19 ELECTRICAL STATE OF CALIFORNIA

Parkway Heights Middle School

Modernization Phase 2

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South San Francisco, CA 94080
(SSFUSD #01-17)

South San Francisco Unified School District

398 B Street
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IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO: 41-28
APPL NO: 01-116522
AC._____ FLS._____ SS._____
DATE_____

REVISIONS		
0		OCTOBER 20, 2014
1	2-12-18	ADDENDUM 1
2	2-21-18	ADDENDUM 2

ARCH PROJECT NO: 1277.04
DRAWN BY:
DRAWING SCALE: AS NOTED
PTN: 69070-97

DSA BACKCHECK
11/09/17

SHEET TITLE

LUMINAIRE SCHEDULE

SHEET NUMBER

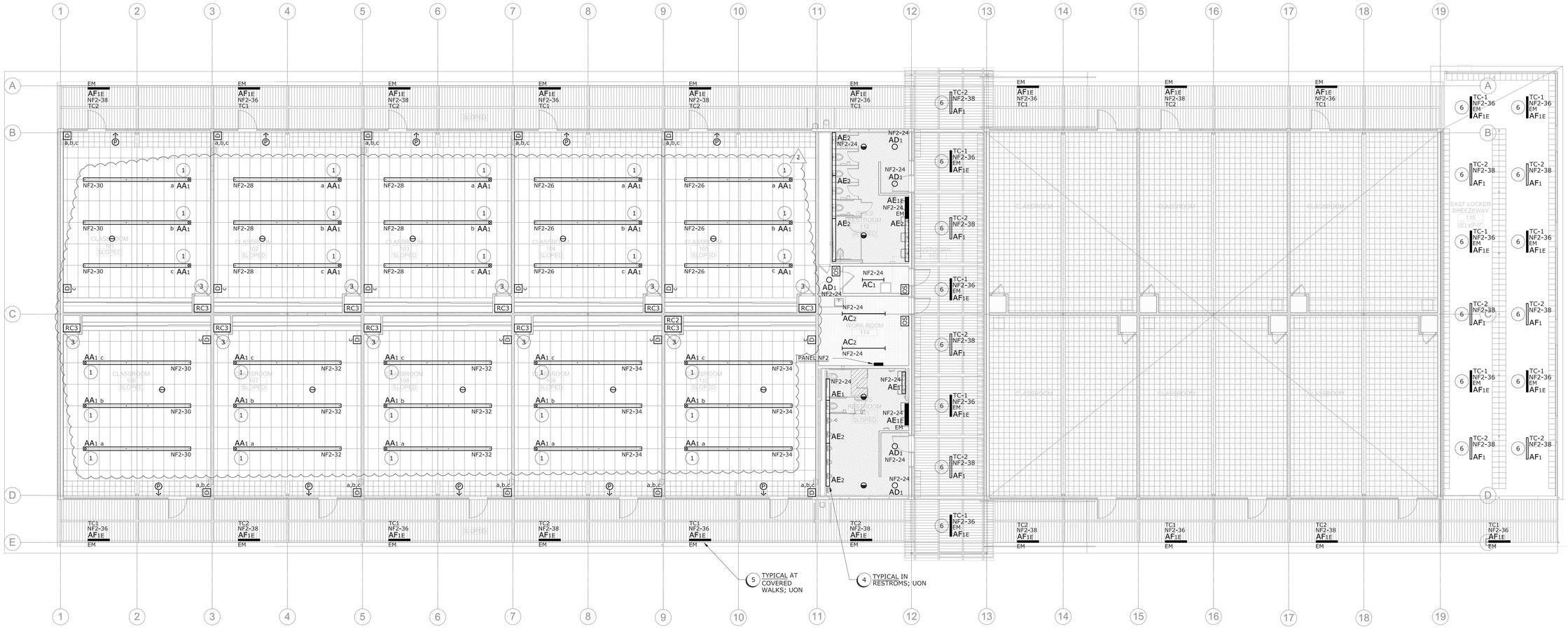
E-0.2

ADD 02.17

PARKWAY HEIGHTS MS 2016 MODERNIZATION – 216108

NUMBERED SHEET NOTES

1. PENDANT MOUNTED WITH 18" SUSPENSION BETWEEN THE BOTTOM OF THE LUMINAIRE AND THE CEILING. SEE DETAIL 5/E-7.2.
2. NOT USED.
3. LOCATE ROOM CONTROLLERS IN THE MECHANICAL CLOSET.
4. WALL MOUNTED AT 8'-0" AFF TO THE CENTERLINE OF THE LUMINAIRE. SEE DETAIL 3/E-7.2.
5. MOUNTED TO SIDE OF EAVE RAFTER. SEE DETAIL 8/E-7.2.
6. MOUNTED TO UNDERSIDE OF BREEZEWAY. SEE DETAIL 10/E-7.2.

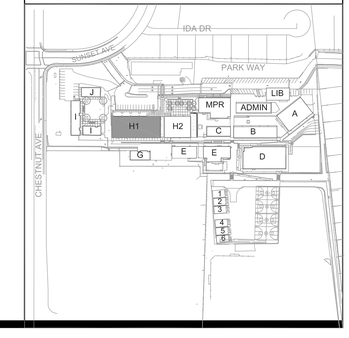


FLOOR PLAN - LIGHTING

SCALE: 1/8" = 1'-0"

REF. NORTH

KEYPLAN



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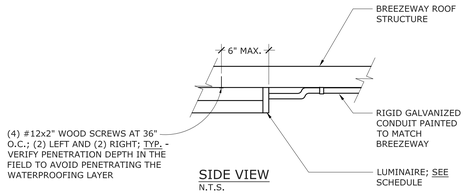
SHEET TITLE

FLOOR PLAN - LIGHTING

SHEET NUMBER

E-2.1

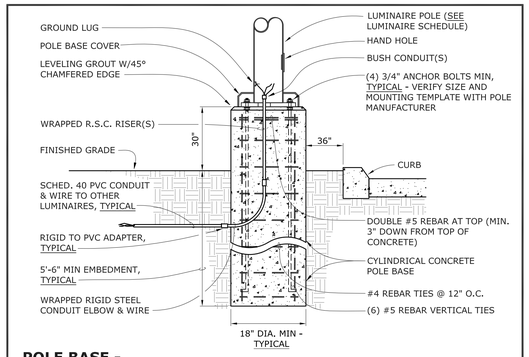
ADD 02.18



SURFACE MOUNTED BREEZEWAY DETAIL

SCALE: NOT TO SCALE

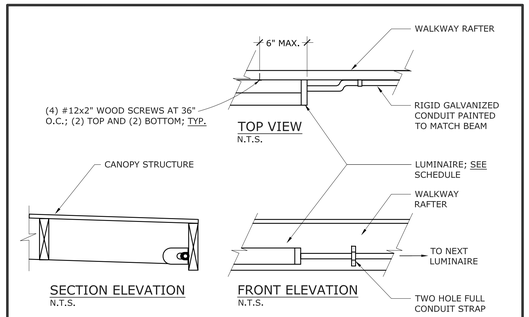
10 E-7.2



POLE BASE - RAISED AT PARKING AREA ADJACENT TO CURB

SCALE: NOT TO SCALE
FILE: L:\DETAILS\LIGHT\POLEBASE\LPOLE031

7 E-7.2



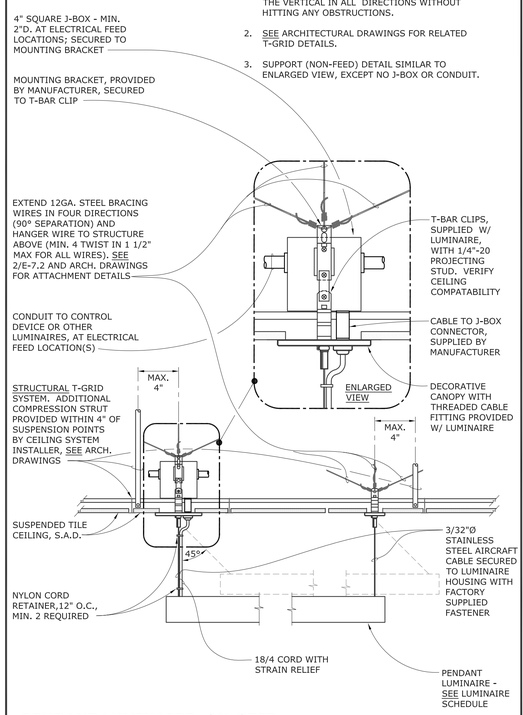
SURFACE MOUNTED CANOPY DETAIL

SCALE: NOT TO SCALE

8 E-7.2

NOTES:

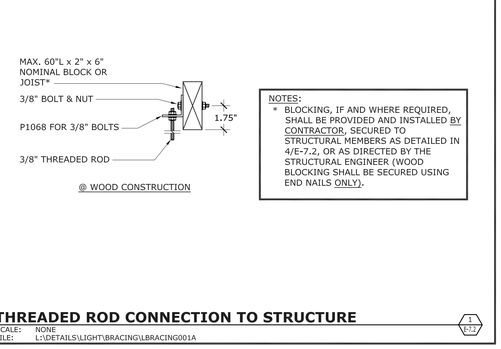
1. LUMINAIRE SHALL BE FREE TO SWING 45° FROM THE VERTICAL IN ALL DIRECTIONS WITHOUT HITTING ANY OBSTRUCTIONS.
2. SEE ARCHITECTURAL DRAWINGS FOR RELATED T-GRID DETAILS.
3. SUPPORT (NON-FEED) DETAIL SIMILAR TO ENLARGED VIEW, EXCEPT NO J-BOX OR CONDUIT.



PENDANT LUMINAIRE: ON-GRID MOUNTING - T-BAR/SUSPENDED CEILING

SCALE: NOT TO SCALE
FILE: L:\LIGHT\PENDANT\LPEND031

5 E-7.2



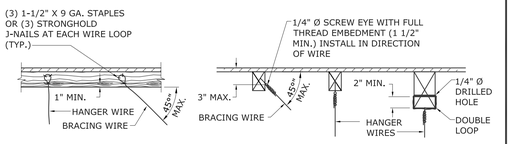
NOTES:

* BLOCKING, IF AND WHERE REQUIRED, SHALL BE PROVIDED AND INSTALLED BY CONTRACTOR, SECURED TO STRUCTURAL MEMBERS AS DETAILED IN 4/E-7.2, OR AS DIRECTED BY THE STRUCTURAL ENGINEER (WOOD BLOCKING SHALL BE SECURED USING END NAILS ONLY).

THREADED ROD CONNECTION TO STRUCTURE

SCALE: NONE
FILE: L:\DETAILS\LIGHT\BRACING\LBRACING001A

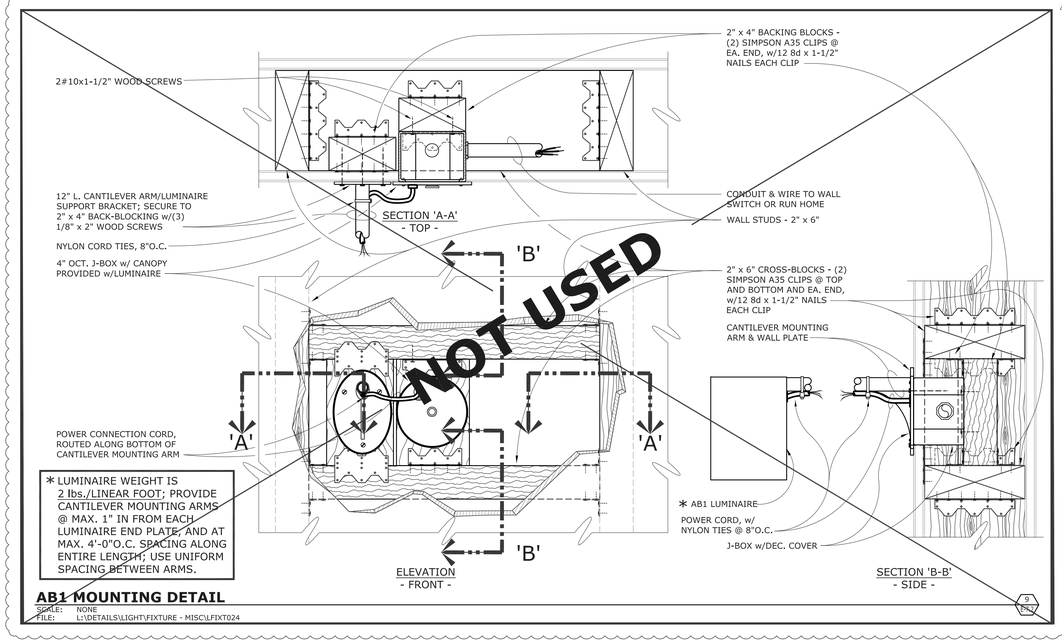
1 E-7.2



HANGER & BRACING WIRES AT WOOD FRAMING

SCALE: NONE
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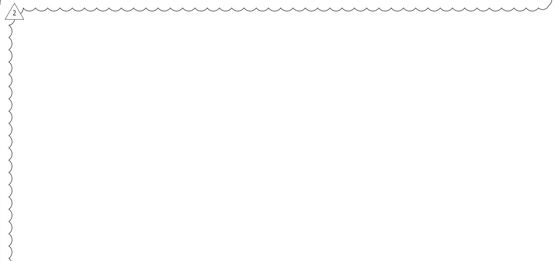
2 E-7.2



AB1 MOUNTING DETAIL

SCALE: NONE
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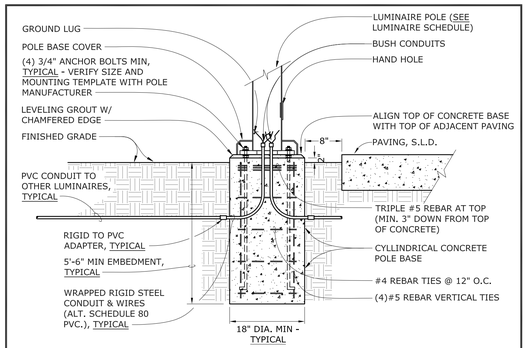
9 E-7.2



SURFACE WALL MOUNTED LUMINAIRE

SCALE: NONE
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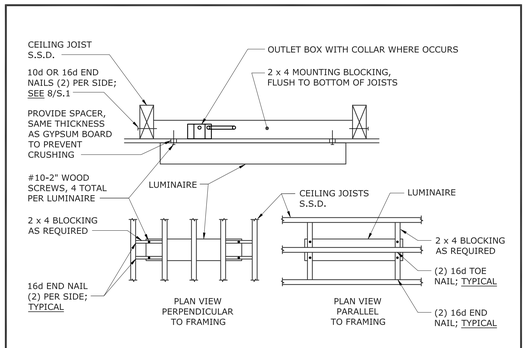
3 E-7.2



POLE BASE AT PLANTING AREA

SCALE: NOT TO SCALE
FILE: L:\DETAILS\LIGHT\POLEBASE\LPOLE028

6 E-7.2



SURFACE MOUNTED LUMINAIRE

SCALE: NONE
FILE: L:\LIGHT\SURFACE\LSURF003

4 E-7.2

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ARCH PROJECT NO: 1277.04
DRAWN BY:
DRAWING SCALE: AS NOTED
PTN: 69070-97

DSA BACKCHECK
11/09/17

SHEET TITLE

DETAILS

SHEET NUMBER

E-7.2

ADD 02.19

PARKWAY HEIGHTS MS 2018 MODERNIZATION - 216108

GENERAL FIRE ALARM NOTES

1. FINAL FIRE ALARM TEST SHALL BE MADE WITH THE DSA INSPECTOR OF RECORD (IOR). LOCAL FIRE AUTHORITY SHALL BE NOTIFIED OF DATE AND TIME OF FINAL ALARM TESTING AND SHALL ASSIST/WITNESS SUCH TESTING WHEN ABLE. DSA/ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF (48) HOURS PRIOR TO THE FINAL INSPECTION AND/OR TESTING.
2. FIRE ALARM CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2. MONITORING SHALL BE TESTED AND VERIFIED AS SENDING THE CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST. OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT AND/OR PROVISIONS
3. UNDERGROUND AND EXTERIOR CONDUITS SHALL HAVE WATERTIGHT FITTINGS.
4. FIRE ALARM DEVICE MOUNTING HEIGHTS:

   PULL STATION: 48" TO TOP OF OPERATOR ABOVE FINISHED FLOOR.

   HORN INTERIOR: 90" MIN. TO TOP OF DEVICE ABOVE FINISHED FLOOR, OR 100" MAX TO TOP OF DEVICE, BUT NOT LESS THAN 6" FROM CEILING.

   WALL MOUNTED STROBE OR HORN/STROBE: BETWEEN 80" TO BOTTOM OF DEVICE LENS TO +96" TO TOP OF DEVICE LENS ABOVE FINISH FLOOR, BUT NOT LESS THAN 6" FROM CEILING.

   CONTROL PANELS / ANNUNCIATORS: 48" TO BOTTOM OF EQUIPMENT.
5. AUDIBLE FIRE ALARM SYSTEM LEVEL SHALL BE AT LEAST 15dBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL IN ALL OCCUPIABLE AREAS, OR 5 dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, MEASURED AT 5 FEET ABOVE THE FLOOR. AUDIBLE SIGNALS SHALL NOT BE LESS THAN 75dBA AT 10 FEET, OR MORE THAN 110dBA AT THE MINIMUM HEARING DISTANCE.
6. AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL THREE DISTINCTIVE FIRE ALARM SOUND PER NFPA 72.
7. APPLICABLE CODES:

   a. CBC 2016; CEC 2016; CMC 2016; CFC 2016.

   b. STATE FIRE MARSHAL TITLE 19, PUBLIC SAFETY.

   c. NFPA 72, 2016 EDITION W/CA AMENDMENTS, FIRE ALARM CODE.
8. STROBES SHALL FLASH AT A RATE NOT EXCEEDING TWO FLASHES PER SECOND, AND NOT LESS THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELA. VISUAL DEVICES WITHIN 55 FEET OF EACH OTHER SHALL BE SYNCHRONIZED.
9. FIRE ALARM CONTRACTOR SHALL PROVIDE A COPY OF NFPA 72 SYSTEM RECORD OF COMPLETION, SYSTEM RECORD OF INSPECTION AND TESTING, AND THE "EMERGENCY COMMUNICATIONS SUPPLEMENTARY RECORD OF COMPLETION", TO THE INSPECTOR OF RECORD IOR/DSA, SCHOOL DISTRICT, ARCHITECT AND LOCAL FIRE AUTHORITY.
10. POWER SERVICE TO THE FACP, REMOTE POWER SUPPLIES, AND CENTRAL STATION AUTO DIALER SHALL BE ON A DEDICATED BRANCH CIRCUIT WITH A RED MARKING AND IDENTIFIED AS "FIRE ALARM CIRCUIT CONTROL".
11. INSTALL ALL WIRING IN CONDUIT, MIN. 3/4" CONDUIT. ALL FIRE ALARM SYSTEM WIRING SHALL BE FLP (FIRE POWER LIMITED) OR FPLP (FIRE POWER LIMITED PLENUM RATED) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE THHN OR THWN.
12. CONDUIT AND WIRING SHALL BE PER MANUFACTURERS REQUIREMENTS.
13. ALL FIRE ALARM COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICES/EQPT. SHALL EXCEED 20LBS. WITHOUT SPECIAL MOUNTING DETAILS.
14. INSTALLATION OF SYSTEM SHALL NOT BE STARTED UNTIL COMPLETE SET OF CONSTRUCTION DOCUMENTS (WITH DEVICE TYPES AND LISTINGS) HAVE BEEN REVIEWED AND APPROVED BY DSA.
15. A STAMPED SET OF APPROVED PLANS SHALL BE ON THE JOB SITE AT ALL TIMES AND SHALL BE USED FOR INSTALLATION.
16. ANY DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND ARCHITECT/ENGINEER OF RECORD.
17. THE CONTRACTOR SHALL INSTALL AND ADJUST ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.
18. SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1 FOOT FROM FIRE SPRINKLER HEADS OR 3 FEET FROM ANY SUPPLY DIFFUSER. IN AREAS OF CONSTRUCTION OR POSSIBLE DAMAGE /CONTAMINATION, INSTALLED DEVICES SHALL BE COVERED UNTIL AREA IS READY TO BE TURNED OVER TO THE OWNER.
19. PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE ALARM DEVICE. DO NOT SPLICE WIRE. THERE MUST BE AT LEAST 6" OF WIRE LEAD FROM THE BOX TO THE DEVICE. ALL BOXES TO BE SIZED PER CEC FOR PROPER VOLUME WITH INSTALLED WIRING AND DEVICES.
20. SUPERVISING STATION: AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72, AS AMENDED BY CFC CHAPTER 80. THE SUPERVISION STATION SHALL BE LISTED AS EITHER UUFX OR UUJS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011.
21. A DOCUMENTATION CABINET SHALL BE INSTALLED ADJACENT TO THE FACP IN THE MAIN ELECTRICAL ROOM (NFPA 72, 7.7.2.1). SPACE AGE ELECTRONICS INC, ACERBOX FAD SERIES (#SSU00685 OR EQUAL).
22. ALL RECORD DOCUMENTATION SHALL BE STORED IN THE DOCUMENTATION CABINET (NFPA 72, 7.7.2.2): PROVIDE NAMEPLATE "FIRE ALARM SYSTEM RECORD DOCUMENTS" (NFPA 72, 7.7.2.4).
23. FIRE ALARM MANUAL PULLSTATIONS SHALL MEET THE CALIFORNIA ACCESSIBILITY REQUIREMENTS OUTLINED IN THE CBC ("CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE TO ACTIVATE THE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS OF FORCE". REFER TO DSA ACCESSIBILITY STAFF FOR QUESTIONS OR CLARIFICATION.)

FIRE ALARM WIRING LEGEND

TAG	DESCRIPTION	CABLING
A	INITIATION CIRCUIT	(2) #16 TWISTED/UNSHIELDED
B	STROBE NOTIFICATION CIRCUIT(S)	(2) #12 THHN/THWN
C	SPEAKER NOTIFICATION CIRCUIT(S)	(2) #16 TWISTED/SHIELDED
D	SPEAKER NOTIFICATION OUTDOOR CIRCUIT(S)	(2) #16 SHIELDED OUTDOOR RATED WEST PENN #AQ294 (OR EQUAL)
E	ANNUNCIATOR POWER & COMMUNICATIONS	(1) EIA-485 (4-WIRES) + (2) #14 THHN/THWN
F	24V SOUNDER BASE POWER	(2) #14 THHN/THWN

NOTE:
CONTRACTOR SHALL VERIFY EXACT CABLE/WIRE TYPES WITH SYSTEM MANUFACTURER PRIOR TO ROUGH-IN.

FIRE ALARM SYSTEM DESCRIPTION

1. THE FIRE ALARM SYSTEM SHALL BE AN AUTOMATIC ADDRESSABLE SYSTEM WITH, CLASS B WIRING FOR IDC'S, NAC'S, AND SLC'S TO MATCH EXISTING.
2. CIRCUIT PATHWAY SURVIVABILITY SHALL BE LEVEL 1.
3. PROVIDE AND INSTALL NEW EQUIPMENT, DEVICES AND REQUIRED MODULES FULLY COMPATIBLE WITH (E) FACP, RECONNECT (E) DEVICES AND PROVIDE CONNECTIONS COMPLETE FOR A FULLY FUNCTIONING NETWORKED FIRE ALARM SYSTEM.
4. THE NAME OF THE SPECIFIC PERSON RESPONSIBLE FOR THE SYSTEM DESIGN IS "JUSTIN KIRK" (O'MAHONY & MYER).
5. SYSTEM INSTALLATION SHALL BE BY A LICENSED ELECTRICAL OR FIRE ALARM CONTRACTOR WITH A CALIFORNIA C-10 LICENSE, REGULARLY ENGAGED IN THE INSTALLATION AND COMMISSIONING OF FIRE ALARM SYSTEMS TO NFPA 72 STANDARDS. INSTALLING CONTRACTOR'S NAME AND CONTACT INFORMATION SHALL BE LISTED IN THE NFPA CLOSE OUT DOCUMENTATION AT COMPLETION OF PROJECT.

FIRE ALARM SCOPE OF WORK

1. TERMINATE EACH NOTIFICATION LOOP TO THE FACP OR FAEP AS SHOWN ON PLANS AND RISER DIAGRAMS.
2. TERMINATE EACH INITIATION LOOP AT THE MAIN FIRE ALARM CONTROL PANEL AS SHOWN.
3. PROVIDE A COMPLETE NETWORK FIRE ALARM SYSTEM, INCLUDING REMOTE POWER SUPPLY TERMINAL CABINETS, EXPANDER PANELS, OUTLETS, DEVICES AND WIRING FOR THE FACILITY AS SHOWN.

SEQUENCE OF OPERATION

1. MANUAL PULL STATION - WHEN A PULL STATION IS PULLED, IT SHALL ANNUNCIATE AN ALARM AT THE FACP. ALARM SHALL ACTIVATE ALL AUDIO AND VISUAL DEVICES THROUGHOUT THE CAMPUS.
2. SMOKE, COMBO SMOKE/CO, AND HEAT DETECTORS - WHEN A DETECTOR IS ACTIVATED, IT SHALL ANNUNCIATE AN ALARM AT THE FACP. ALARM SHALL ACTIVATE ALL AUDIO AND VISUAL DEVICES THROUGHOUT THE CAMPUS.
3. ANY BUILDING POWER FAILURE- IF THE BUILDING LOSES POWER, THE FAILURE SHALL SHOW UP AS A TROUBLE SIGNAL ON THE FACP. THE SYSTEM SHALL STAY ACTIVE ON BATTERY BACK-UP POWER IN ACCORDANCE WITH THE STATE FIRE CODE.
4. SYSTEM SHALL INDICATE TROUBLE ALARMS FOR ALL SYSTEM FAULTS (i.e. GROUND FAULTS, SHORTS, OPEN CIRCUITS, BATTERY DISCONNECT, ETC.).
5. FIRE/SMOKE DAMPERS - WHEN A FIRE/SMOKE DAMPER SMOKE DETECTOR IS ACTIVATED, IT SHALL ANNUNCIATE AN ALARM AT THE MAIN FACP. ALARM SHALL ACTIVATE ALL AUDIO AND VISUAL DEVICES THROUGHOUT THE CAMPUS AND SHALL SHUT DOWN THE ASSOCIATED HVAC UNIT.
6. FIRE SPRINKLER SYSTEM - WHEN A FLOW SWITCH IS ACTIVATED, IT SHALL ANNUNCIATE AN ALARM AT THE MAIN FACP. ALARM SHALL ACTIVATE ALL AUDIO AND VISUAL DEVICES THROUGHOUT THE CAMPUS. WHEN TAMPER SWITCH IS ACTIVATED, IT SHALL ANNUNCIATE A SUPERVISORY ALARM AT THE MAIN FACP.
7. UPON ALARM CONDITION, AUTO DIALER TO NOTIFY THE SUPERVISING STATION, AND AUTHORIZED SCHOOL PERSONNEL TO NOTIFY THE FIRE DEPARTMENT AND INITIATE EVACUATION OF STUDENTS AND FACULTY AS PER THE SCHOOL'S EVACUATION PLAN.
8. UPON TROUBLE CONDITION, AUTO DIALER TO NOTIFY THE SUPERVISING STATION, AND AUTHORIZED SCHOOL PERSONNEL TO NOTIFY AUTHORIZED TECHNICIAN TO CORRECT THE TROUBLE CONDITION.

FIRE ALARM EQUIPMENT LIST

SYMBOL	DESCRIPTION	MANUFACTURER & MODEL NUMBER	CSFM LISTING NUMBER	STANDBY CURRENT	ALARM CURRENT
XLSV	FIRE ALARM CONTROL PANEL TO BE UPGRADED FROM 'XLS' TO 'XLSV'. SEE CUTSHEETS FOR COMPONENTS	SIEMENS XLSV	7165-0067:0222	105mA	175mA
XLSRV	FIRE ALARM REMOTE VOICE & EXPANSION PANEL	SIEMENS XLSRV	7315-0785:0167	105mA	175mA
	FIRE ALARM ANNUNCIATOR PANEL & REMOTE MICROPHONE. MOUNT IN COMMON FLUSH ENCLOSURE.	SIEMENS SSD-C-REM & LVM	7165-0067:0222	200mA	200mA
F	ADDRESSABLE MANUAL PULLSTATION	SIEMENS HMS-D	7150-0067:0036	1.50mA	1.50mA
M	ADDRESSABLE MONITOR MODULE	SIEMENS HTRI-S	7165-0067:0222	1.50mA	1.50mA
R	ADDRESSABLE RELAY MODULE	SIEMENS HTRI-R	7165-0067:0222	1.50mA	1.50mA
S	ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR	SIEMENS FDO421	7272-0067:0258	0.28mA	0.41mA
S_{CO}	ADDRESSABLE MULTI-CRITERIA FIRE / CO DETECTOR	SIEMENS FDOOTC441	7272-0067:0260	0.40mA	0.65mA
- 2	CO DETECTOR SOUNDER BASE, TEMPORAL 4 TONE	SIEMENS ABHW-4S	7300-0067:0271	0.25mA	0.25mA
			EXTERNAL 24V CURRENT:	1.0mA	90mA
H	ADDRESSABLE FIXED TEMPERATURE HEAT DETECTOR (135F)	SIEMENS FDT421	7270-0067:0262	0.28mA	0.41mA
-	DETECTOR BASE	SIEMENS DB-11	7300-0067:0134	-	-
D	ADDRESSABLE PHOTO DUCT SMOKE DETECTOR. PROVIDE WITH FDBZ492-HR AIR DUCT HOUSING AND RELAY MODULE. LOCATE AND INSTALL REMOTE KEY TEST SWITCH (RTS451KEY)	SIEMENS FDO421	7272-0067:0258	0.25mA	0.4mA
SYN	DUAL CIRCUIT SYNCHRONIZATION MODULE	WHEELOCK DSM-12/24	7300-0785:0132	0mA	55mA
S	VISUAL STROBE, WALL MOUNT, SELECTABLE CANDELA, UL 1971 PUBLIC MODE NOTIFICATION	WHEELOCK RSS-24MCW-R	7300-0785:0154	-	-
			15cd	0mA	60mA
			30cd	0mA	92mA
			75cd	0mA	165mA
			110cd	0mA	220mA
V	COMBINATION VISUAL STROBE AND SPEAKER, WALL MOUNT, SELECTABLE CANDELA, UL 1971 PUBLIC MODE NOTIFICATION, VISUAL DEVICE	WHEELOCK ET70-24MCW-R	7125-0785:0152	-	-
			STROBE CKT: 15cd	0mA	60mA
			STROBE CKT: 30cd	0mA	92mA
			STROBE CKT: 75cd	0mA	165mA
			STROBE CKT: 110cd	0mA	220mA
V	EXTERIOR VISUAL STROBE AND SPEAKER (1W) WITH WEATHERPROOF SURFACE BACKBOX	WHEELOCK ET70WP-24MCW-R	7125-0785:0152	-	-
			STROBE CKT: 15cd	0mA	60mA
			STROBE CKT: 30cd	0mA	92mA
			STROBE CKT: 75cd	0mA	165mA
			STROBE CKT: 110cd	0mA	220mA
S	EXTERIOR AUDIBLE SPEAKER (1W) WITH WEATHERPROOF SURFACE BACK BOX	WHEELOCK ET-1010R	7125-0785:0105	0mA	14mA
V^{CO}	COMBINATION VISUAL LED AMBER STROBE AND HI-FI SPEAKER, WALL MOUNT, WITH "ALERT" LETTERING FOR CO DETECTION STAFF NOTIFICATION	WHEELOCK LSPSTW3-AL	7320-0785:0502	0mA	30mA

NOTICE TO CONTRACTORS:
THE SYSTEM DESIGN IS BASED ON THE PRODUCTS SHOWN ON THIS FIRE ALARM EQUIPMENT LIST AND HAS BEEN APPROVED BY DSA AS SUCH. NO DEVIATIONS FROM THE APPROVED DESIGN MAY BE ALLOWED. SIEMENS IS THE DISTRICT STANDARD FIRE ALARM SUPPLIER.

NOTE:

DETECTOR SUBSCRIPTS:
"c" - DETECTOR IN ACCESSIBLE CEILING SPACE
"p" - DETECTOR WITHIN 36" OF PEAK

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P. Colombo — No.14738 Exp. 6/19 — REGISTERED PROFESSIONAL ENGINEER — ELECTRICAL — STATE OF CALIFORNIA

Parkway Heights Middle School

Modernization Phase 2

650 Sunset Ave
South San Francisco, CA 94080
(SSFUSD #01-17)

South San Francisco Unified School District

398 B Street
South San Francisco
CA 94080-4423

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE NO: 41-28
APPL NO: 01-116522
AC._____ FLS._____ SS._____
DATE._____

REVISIONS

1	2-12-18	ADDENDUM 1
2	2-21-18	ADDENDUM 2

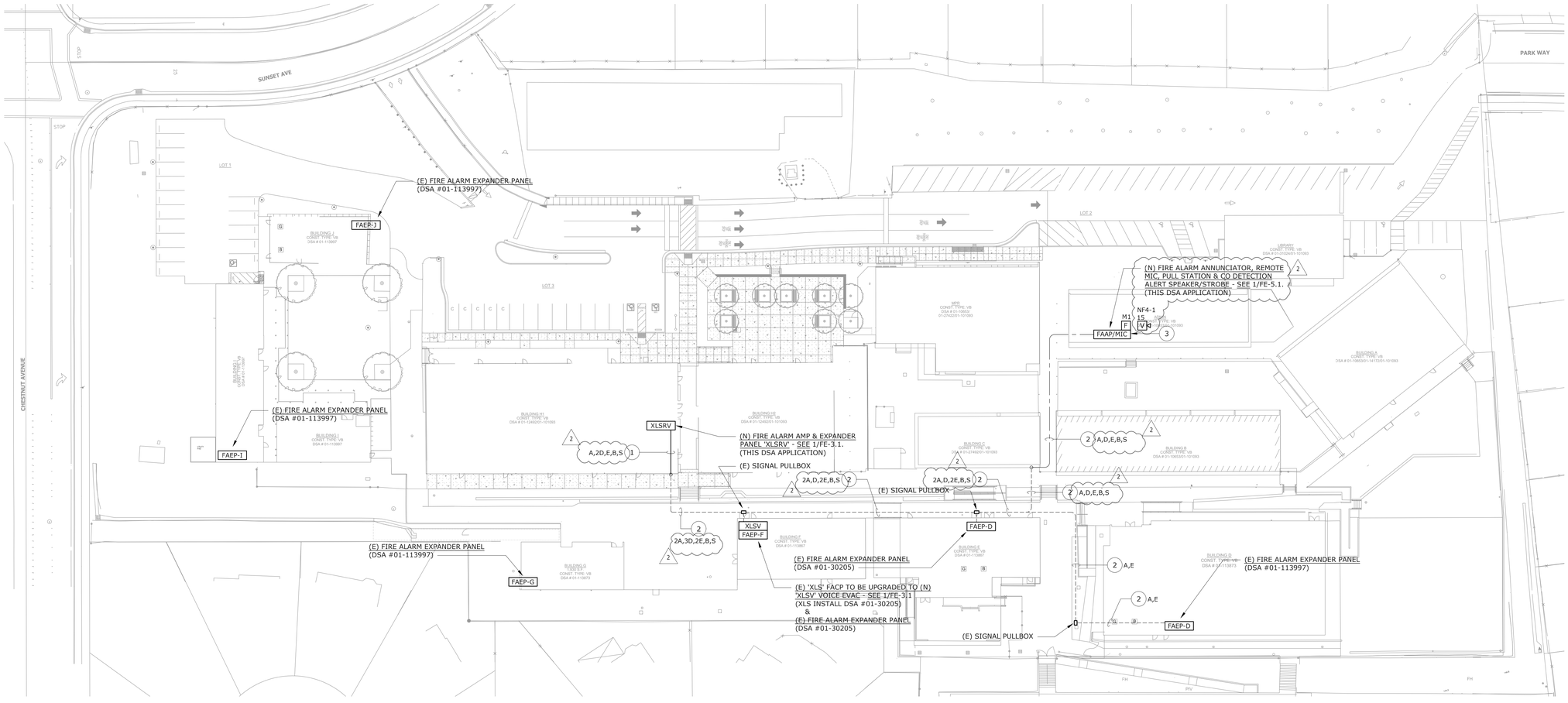
ARCH PROJECT NO: 1277.04
DRAWN BY:
DRAWING SCALE: AS NOTED
PTN: 69070-97
DSA BACKCHECK
11/09/17

SHEET TITLE
FIRE ALARM EQUIPMENT LIST & GEN NOTES

SHEET NUMBER
FE-0.1
ADD 02.20

NUMBERED SHEET NOTES

1. SEE SITE PLAN E-1.1 FOR CONDUIT REQUIREMENTS AND ROUTING. PROVIDE AND INSTALL FIRE ALARM WIRING INDICATED ADJACENT NUMBERED SHEET NOTE.
2. PROVIDE AND INSTALL FIRE ALARM WIRING INDICATED ADJACENT NUMBERED SHEET NOTE. UTILIZE EXISTING RACEWAY THROUGH-OUT. SITE VERIFY EXACT ROUTE WITH DISTRICT FACILITIES.
3. THE 'FAAP', 'MIC', & PULL STATION SHALL BE LOCATED WITHIN VIEW OF THE RECEPTIONISTS DESK IN THIS AREA. NO FLOOR PLANS SHOW THE EXACT LOCATION, DEVICE SHOWN ON THIS PLAN ONLY FOR GENERAL REFERENCE. THIS CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS TO COORDINATE, LOCATE AND INSTALL THE DEVICE AS REQUIRED.



SITE PLAN - ELECTRICAL

SCALE: 1" = 30'-0"

1 / F-1.1

REF. NORTH

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DRAWING SCALE: AS NOTED
PTN: 69070-97

DSA BACKCHECK
11/09/17

SHEET TITLE

SITE PLAN - FIRE ALARM

SHEET NUMBER

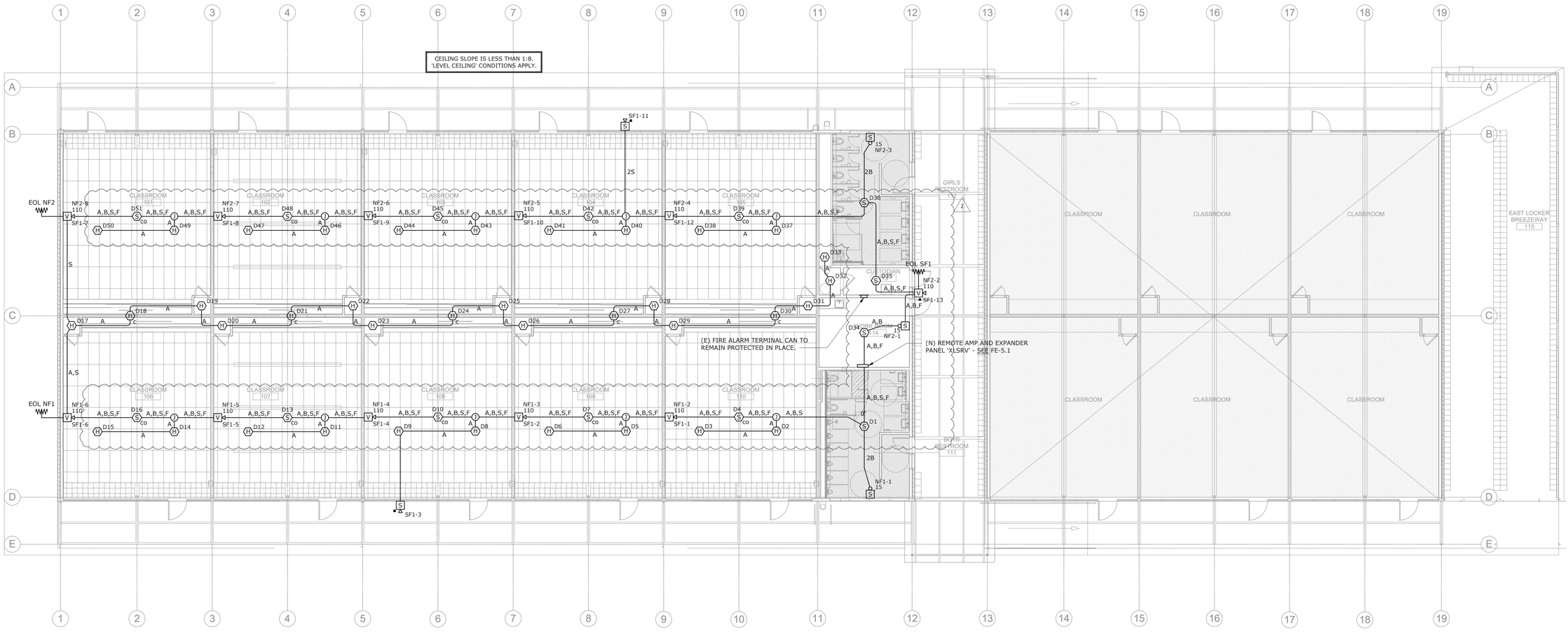
FE-1.1

ADD 02.21

PARKWAY HEIGHTS MS 2018 MODERNIZATION - 216108

NUMBERED SHEET NOTES

1. NOT USED.

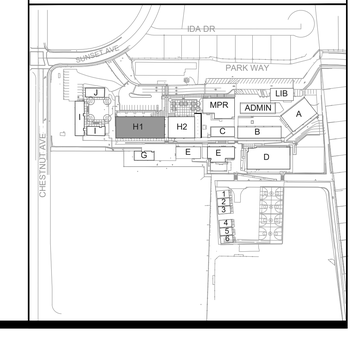


FLOOR PLAN - FIRE ALARM

SCALE: 1/8" = 1'-0"

REF. NORTH

KEYPLAN



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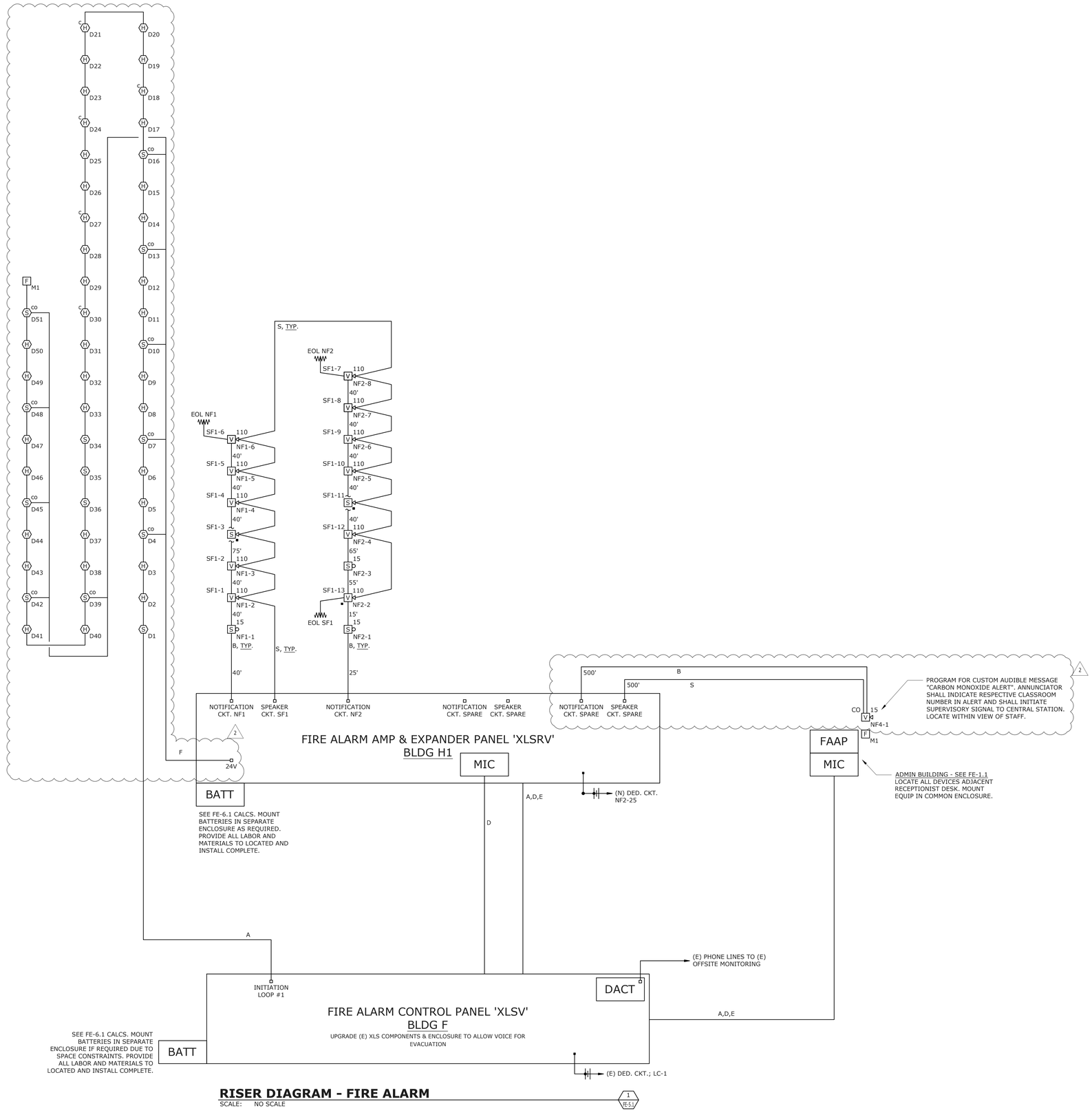
ARCH PROJECT NO: 1277.04
DRAWN BY:
DRAWING SCALE: AS NOTED
PTN: 69070-97
DSA BACKCHECK
11/09/17

SHEET TITLE

FLOOR PLAN - FIRE ALARM

SHEET NUMBER

FE-3.1
ADD 02.22



RISER DIAGRAM - FIRE ALARM

SCALE: NO SCALE

1 / FE-5.1

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PTN: 69070-97
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11/09/17

SHEET TITLE

RISER DIAGRAM - FIRE ALARM

SHEET NUMBER

FE-5.1

ADD 02.23

QUATTROCCHI KWOK
ARCHITECTS

PARKWAY HEIGHTS MIDDLE SCHOOL MODERNIZATION – PHASE II
PROJECT 01-18

Addendum 02

FEBRUARY 21, 2018

DSA File Number: 41-28
DSA Application Number: 01-116522
PTN: 69070-97

Owner:
South San Francisco Unified School District
398 B Street
South San Francisco, CA 94080



Architect:
Quattrocchi Kwok Architects
636 Fifth Street
Santa Rosa, California 95404
P:707.576.0829
F: 707.576.0295

District's Project No.: 01-18
Architect's Project No.: 1277.04

To: Prospective Bidders

The following changes, modifications and additions to Project Manual and Drawings described below are made a part thereof and are subject to all of the requirements thereof as if originally specified. The Bidder must acknowledge receipt of the Addendum in the space provided on the Bid Form; failure to do so may subject the Bidder to disqualification.

BATTERY CALCULATIONS: FIRE ALARM CONTROL PANEL 'XLSV'

STANDBY MODE

	EA (A)	QTY.	CURRENT
CONTROL UNIT	0.105	2	0.210
ANNUNCIATOR	0.200	1	0.200
(E) DETECTORS	0.0015	149	0.224
(E) MODULES	0.0003	35	0.011
DETECTORS	0.0003	41	0.012
SMK/CO DET.	0.0004	10	0.004
CO SOUNDER BASE	0.0003	10	0.003
MODULES	0.001S	2	0.003

TOTAL STANDBY CURRENT = 0.644 A
REQUIRED (24 HOURS) = 15.456 AH

ALARM MODE

	EA (A)	QTY.	CURRENT
CONTROL UNIT	0.175	2	0.350
ANNUNCIATOR	0.200	1	0.200
(E) DETECTORS	0.0015	149	0.224
(E) MODULES	0.0004	35	0.013
DETECTORS	0.0004	41	0.016
SMK/CO DET.	0.0007	10	0.007
CO SOUNDER BASE	0.0003	10	0.003
MODULES	0.001S	2	0.003

TOTAL ALARM CURRENT = 0.816 A
REQUIRED (15 MIN) = 0.204 AH

TOTAL POWER REQUIRED WITH 120%
BATTERY DERATING FACTOR = 18.792 AH

PROVIDE TWO 12V, 31AH BATTERIES
SIEMENS #BTX-1 (OR EQUAL)

BATTERY CALCULATIONS: FAEP 'XLSRV'

STANDBY MODE

	EA (A)	QTY.	CURRENT
FAEP CTRL UNIT	0.075	1	0.075
CO SOUNDER BASE	0.001	10	0.010

TOTAL STANDBY CURRENT = 0.085 A
EQUIRED (24 HOURS) = 2.040 AH

ALARM MODE

	EA (A)	QTY.	CURRENT
FAEP CTRL UNIT	0.175	1	0.175
CO SOUNDER BASE	0.090	10	0.900
NOTIFICATION CKT NF1	1.193	1	1.193
NOTIFICATION CKT NF4	0.063	1	0.063

TOTAL ALARM CURRENT = 2.331 A
REQUIRED (15 MIN) = 0.583 AH

TOTAL POWER REQUIRED WITH 120%
BATTERY DERATING FACTOR = 3.147 AH

PROVIDE TWO 12V, 90AH BATTERIES PER MANUFACTURER RECOMMENDATION. INTERSTATE #DCM0090 (OR EQUAL)

VOLTAGE DROP CALCULATIONS — FIRE ALARM EXPANDER PANEL 'XLSRV'

SIGNAL CIRCUIT:	NF1								
TOTAL CKT CURRENT =	1.193 A								
MAX VOLT-DROP =	4.10%								
SYSTEM VOLTAGE =	20.4 V								
Device Address-->		NF1-1	NF1-2	NF1-3	NF1-4	NF1-5	NF1-6		
Type of Device -->	SM	15STR	110SS	110SS	110SS	110SS	110SS	eol	
Current of Device (Amp) -->	0.028	0.060	0.220	0.220	0.220	0.220	0.220	0.005	
Size of Wire (AWG) -->	#12	#12	#12	#12	#12	#12	#12	#12	
istance to each Device (Ft) -->	5	40	40	75	40	40	40	5	
Current Total (Amp) -->	1.193	1.165	1.105	0.885	0.665	0.445	0.225	0.005	
Device Volt-drop -->	0.11%	0.99%	1.83%	3.09%	3.59%	3.93%	4.10%	4.10%	
Device Volt -->	20.38	20.20	20.03	19.77	19.67	19.60	19.56	19.56	

SIGNAL CIRCUIT:	NF2									
TOTAL CKT CURRENT =	1.633 A									
MAX VOLT-DROP =	5.77%									
SYSTEM VOLTAGE =	20.4 V									
Device Address-->		NF2-1	NF2-2	NF2-3	NF2-4	NF2-5	NF2-6	NF2-7	NF2-8	
Type of Device -->	SM	15STR	110SS	110SS	110SS	110SS	110SS	110SS	110SS	eol
Current of Device (Amp) -->	0.028	0.060	0.220	0.220	0.220	0.220	0.220	0.220	0.220	0.005
Size of Wire (AWG) -->	#12	#12	#12	#12	#12	#12	#12	#12	#12	#12
istance to each Device (Ft) -->	5	25	15	55	65	40	40	40	40	5
Current Total (Amp) -->	1.633	1.605	1.545	1.325	1.105	0.885	0.665	0.445	0.225	0.005
Device Volt-drop -->	0.15%	0.91%	1.35%	2.73%	4.09%	4.76%	5.26%	5.60%	5.77%	5.77%
Device Volt -->	20.37	20.21	20.12	19.84	19.57	19.43	19.33	19.26	19.22	19.22

2

SIGNAL CIRCUIT:	NF4		
TOTAL CKT CURRENT =	0.063 A		
MAX VOLT-DROP =	0.34%		
SYSTEM VOLTAGE =	20.4 V		
Device Address-->		NF4-1	
Type of Device -->	SM	15co	eol
Current of Device (Amp) -->	0.028	0.030	0.005
Size of Wire (AWG) -->	#12	#12	#12
istance to each Device (Ft) -->	5	500	5
Current Total (Amp) -->	0.063	0.035	0.005
Device Volt-drop -->	0.01%	0.34%	0.34%
Device Volt -->	20.40	20.33	20.33

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SHEET TITLE

CALCULATIONS FIRE ALARM

SHEET NUMBER

FE-6.1
ADD 02.24