San Rafael City Schools



Terra Linda High School Utility Relocation

320 Nova Albion Way San Rafael, CA 94903

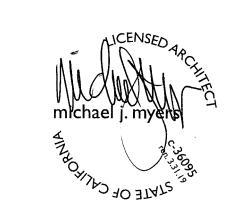
CONSTRUCTION DOCUMENTS

5/01/2018



#	NAME	
G-000	COVER SHEET	
GENERA	ıL	
G-001	GENERAL INFORMATION	
ARCHITE	ECTURAL	
A-001	ARCHITECTURAL GENERAL INFORMATION	
ELECTRI	CAL	
E0.1	GENERAL NOTES, LEGEND, ABBREVIATIONS, AND DRAWING INDEX	
E1.1	ELECTRICAL SITE PLAN	
E2.1	SINGLE LINE DIAGRAM	
E3.1	DETAILS	





Terra Linda High School
Utility Relocation
and Demolition

320 Nova Albion Way San Rafael, CA 94903 (415) 492-3100

Date Issued For 4/12/18 Construction Documents

PROJECT TEAM

OWNER SAN RAFAEL CITY SCHOOLS 310 NOVA ALBION WAY SAN RAFAEL, CA 94903 415.492.3200

ARCHITECT

417 MONTGOMERY STREET, SUITE 400 SAN FRANCISCO, CA 94104 415.981.2345

ELECTRICAL ENGINEER AEC ENGINEERS

4701 PATRICK HENRY DRIVE, BLDG. 10 SANTA CLARA, CA 95054

APPLICABLE CODES

NATIONAL REFERENCE STANDARDS: APPLICABLE CODES FOR THIS PROJECT SHALL BE:

 2016 CALIFORNIA ADMINISTRATIVE CODE....(CAC) (PART 1, TITLE 24, CCR) • 2016 CALIFORNIA BUILDING CODE (CBC) VOLUMES 1 & 2.....(PART 2, TITLE 24, CCR) (2015 EDITION INTERNATIONAL BUILDING CODE WITH 2016 CALIFORNIA AMENDMENTS)

• 2016 CALIFORNIA ELECTRICAL CODE (CEC)......(PART 3, TITLE 24, CCR)
(2015 EDITION NATIONAL ELECTRICAL CODE WITH 2016 CALIFORNIA AMENDMENTS)

DSA REVIEW STATUS

THIS BRO LECTRICAL CODE • 2016 CALIFORNIA MECHANICAL CODE (CMC).....(PART 4, TITLE 24, CCR) (2015 EDITION IAPMO UNIFORM MECHANICAL CODE WIT'H 2015 CALIFORNIA AMENDMENTS)

 2016 CALIFORNIA PLUMBING CODE (CPC).........(PART 5, TITLE 24, CCR) (2015 EDITION IAPMO UNIFORM PLUMBING CODE WITH 2015 CALIFORNIA AMENDMENTS) 2016 CALIFORNIA ENERGY CODE.....(PART 6, TITLE 2-(2015 EDITION CALIFORNIA ENERGY COMMISSION BUILDING ENERGY EFFICIENCY)(PART 6, TITLE 24, CCR)

STANDARDS) 2016 CALIFORNIA FIRE CODE (CFC).....(PART 9, TITLE 24, CC (2015 EDITION OF INTERNATIONAL FIRE CODE WITH 2015 CALIFORNIA ADMENDMENTS)(PART 9, TITLE 24, CCR)

 2016 CALIFORNIA GREEN CODE.....(PART 11, TITLE 24, CCR) 2016 CALIFORNIA REFERENCE STANDARDS CODE.....(PART 12, TITLE 24, CCR)

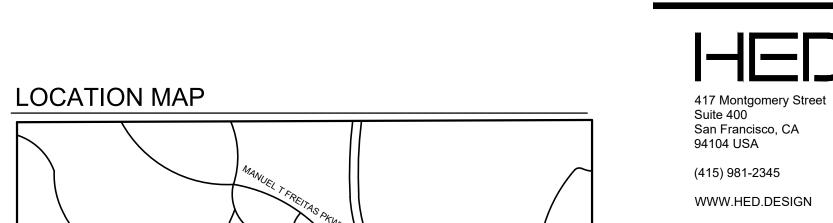
NFPA 72 - 2015 NATIONAL FIRE ALARM CODE REFERENCE CODE SECTIONS FOR APPLICABLE STANDARDS

2016 CBC, CHAPTER 35 2016 CFC, CHAPTER 45

PROJECT DESCRIPTION

RELOCATION OF EXISTING UNDERGROUND UTILITIES. THE PRECEDING DESCRIPTION DOES NOT LIMIT THE EXTENT OF WORK. CONTRACTOR IS RESPONSIBLE FOR ALL WORK CONTAINED WITHIN THE CONTRACT DOCUMENTS.

THIS PROJECT IS EXEMPT FROM DSA REVIEW PER DSA IR A-22 (REV 08-25-15).



TERRA LINDA HIGH

SORICH RANCH PARK

SCHOOL 320 NOVA ALBION WAY SAN RAFAEL, CA

2017-03447-000

General Information

ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED IN THIS PROJECT

A.B./ANCHOR BOLT ABV./ABOVE A.C./ASPHALTIC CONCRETE A.C.T./ACOUSTICAL CEILING TILE A/C/AIR CONDITIONING ACOUS./ACOUSTICAL A.D./AREA DRAIN ADMIN./ADMINISTRATION ADJ./ADJUSTABLE A.F.F./ABOVE FINISHED FLOOR AGGR./AGGREGRATE AL./ALUMINUM ALT./ALTERNATE A.P./ACCESS PANEL APP/APPLICATION APPROX./APPROXIMATE ARCH./ARCHITECTURAL ASPH./ASPHALT ATTEN./ATTENUATING

BD./BOARD BET./BETWEEN B.F./BRACED FRAME BLDG./BUILDING BLK./BLOCKING BM./BEAM BOT./BOTTOM

CAB./CABINET C/C/CENTER TO CENTER CEM./CEMENT CER./CERAMIC C.F./CUBIC FEET CH./CHANNEL C.I./CAST IRON C.J./CONTROL JOINT C.L./CENTERLINE CLG./CEILING CLKG./CAULKING CLO./CLOSET CLR./CLEAR C.M.U./CONCRETE MASONRY UNIT COL./COLUMN COMP./COMPUTER CONC./CONCRETE CONF./CONFERENCE CONT./CONTINUOUS CONTR./CONTRACTOR CONST./CONSTRUCTION CORR./CORRIDOR CPT./CARPET C.R./COLD-ROLLED CSMT./CASEMENT C.T./CERAMIC TILE

C.Y./CUBIC YARDS D./DRYER DBL./DOUBLE DECK./DECKING DEG./DEGREE DEMO./DEMOLITION DEPT./DEPARTMENT DET./DETAIL D.F./DRINKING FOUNTAIN DIA./DIAMETER DIM./DIMENSION DIR./DIRECTION DIST./DISTRIBUTION DIV./DIVISION DN./DOWN DR./DOOR D.S./DOWNSPOUT D.S.A./ DIVISION OF STATE ARCHITECT N.E./NORTHEAST D.S.P./DRY STAND PIPE DWG./DRAWING

CTR./CENTER

CTSK./COUNTERSUNK

E./EAST (E)/EXISTING EA./EACH E.J./EXPANSION JOINT **EL./ELEVATION** ELAS./ELASTOMERIC ELEC./ELECTRICAL ELEV./ELEVATOR EMER./EMERGENCY ENCL./ENCLOSURE ENGR./ENGINEER EQ./EQUAL **EQUIP./EQUIPMENT** E.S./EACH SIDE EXP./EXPANSION EXH./EXHAUST EXIST./EXISTING EXT./EXTERIOR E.W./EACH WAY F./FREEZER F.A./FIRE ALARM F.A.F./FORCED AIR FURNACE F.D./FLOOR DRAIN FND./FOUNDATION F.E./FIRE EXTINGUISHER FED./FEDERAL F.V./FIELD VERIFY

F.E.C./FIRE EXTINGUISHER & CABINET F.F./FINISH FLOOR F.H.C./FIRE HOSE CABINET FIN./FINISH FIX./FIXTURE F.L./FLOW LINE FLR./FLOOR FLUOR./FLUORESCENT F.O./FACE OF F.O.C./FACE OF CONCRETE F.O.F./FACE OF FINISH F.O.M./FACE OF MASONRY F.O.S./FACE OF STUD F.O.W./FACE OF WALL FPRF./FIREPROOF(ING) FRM'G/FRAMING F.R.T./FIRE RETARDANT TREATED F.R.P./FIBERGLASS REINFORCED POLYESTER F.S./FLOOR SINK F.S.E./FOOD SERVICE EQIPMENT FT./FOOT OR FEET

FTG./FOOTING

FUT./FUTURE

FURR./FURRING

GA./GAUGE GALV./GALVANIZED G.L.B./GLUE- LAMINATED (WOOD) BEAM GL/GLASS GND./GROUND G.R.G./GLASS REINFORCED GYPSUM G.S.M./GALVANIZED SHEET METAL GYP./GYPSUM

G.W.B./GYPSUM WALL BOARD

S./SOUTH

S.A./SUPPLY AIR

S.C./SOLID CORE

S.B./SCOREBOARD

SCHED./SCHEDULE

S.D./STORM DRAIN

S.E./SOUTHEAST

SECT./SECTION

SHTG./SHEATHING

S.M./SHEET METAL

SHT./SHEET

SIM./SIMILAR

SL/SLOPE

S.C.D./SEE CIVIL DRAWINGS

S.D.S./SEE DOOR SCHEDULE

S.F./SQUARE FOOT (FEET)

S.E.D./SEE ELECTRICAL DRAWINGS

S.F.S./SEE (ROOM) FINISH SCHEDULE

S.G.S./SEE GLAZING SCHEDULE

S.L.D./SEE LANDSCAPE DRAWINGS

SMACNA /SHEET METAL AND AIR

S.M.D./SEE MECHANICAL DRAWINGS

S.N.D./SANITARY NAPKIN DISPENSER

S.P.D./SEE PLUMBING DRAWINGS

S.P.S./SEE PARTITION SCHEDULE

S.S.D./SEE STRUCTURAL DRAWINGS

S.N.R./SANITARY NAPKIN RECEPTACLE

CONDITIONING CONTRACTORS

S.M.S/SHEET METAL SCREW

NATIONAL ASSOCIATION

S.O.G./SLAB ON GRADE

SPEC./SPECIFICATION

SPR/SPRINKLERED

SQ./SQUARE

STL./STEEL

SVC/SERVICE

STOR /STORAGE

SUSP./SUSPENDED

S.W./SOUTHWEST

SYM./SYMMETRICAL

STD./STANDARD

STRL./STRUCTURAL

S4S/SURFACE FOUR SIDES

S.W.S./SEE WINDOW SCHEDULE

S2S/SURFACE TWO SIDES

S.S./STAINLESS STEEL

T./TREAD

T.B./TACKBOARD

TER./TERRAZZO

THK./THICK

T.O./TOP OF

DISPENSER

TV/TELEVISION

UNF./UNFINISHED

VERT./VERTICAL

VOL./VOLUME

W//WITH

WD./WOOD

WDW./WINDOW

W/O/WITHOUT

WT./WEIGHT

@ /AT

d /PENNY

W.F./WIDE FLANGE

WGL/WIRE GLASS

W.H./WATER HEATER

W.O./WHERE OCCURS

W.P./WORKING POINT

W.S.P./WET STANDPIPE

WSCT./WAINSCOT

/AND

W.I./WOODWORK INSTITUTE

W.W.F./WELDED WIRE FABRIC

/POUND OR NUMBER

VEST./VESTIBULE

V.I.F./VERIFY IN FIELD

W./WEST OR WASHER

W.C./WATER CLOSET

UR./URINAL

TYP./TYPICAL

TECH./TECHNOLOGY

THRES./THRESHOLD

T & G/TONGUE & GROOVE

T.O.D./TOP OF DECKING

T.O.M./TOP OF MASONRY

T.O.S./TOP OF STEEL

T.O.W./TOP OF WALL

T.S./TUBULAR STEEL

U.G./UNDERGROUND

T.S.C.D./TOILET SEAT COVER

T.T.D./TOILET TISSUE DISPENSER

U.B.C./UNIFORM BUILDING CODE

U.L./UNDERWRITERS LABORATORY

U.O.N./UNLESS OTHERWISE NOTED

V.G.D.F./VERTICAL GRAIN DOUGLAS FIR

V.C.T./VINYL COMPOSITION TILE

V.T.R./VENT THRU ROOF (S..P.D.

V.W.C./VINYL WALL COVERING

TEMP./TEMPERED OR TEMPERATURE

T.O.C./TOP OF CURB or CONCRETE

T.O.P./TOP OF PAVEMENT or PARAPET

TELE./TELEPHONE

H.B./HOSE BIBB H.C./HOLLOW CORE HDWR./HARDWARE HDWD./HARDWOOD HT./HEIGHT H.M./HOLLOW METAL HORIZ./HORIZONTAL H.P./HIGH POINT HVAC/HEATING, VENTILATING, AIR CONDITIONING

I.D./INSIDE DIAMETER IN /INCH INCAND./INCANDESCENT INCR./INCREMENT INFO./INFORMATION INSUL./INSULATION INT./INTERIOR

JAN./JANITOR JST./JOIST JT./JOINT KIT./KITCHEN

K.P./KICK PL

LAB./LABORATORY LAM./LAMINATE LAV./LAVATORY LB./POUND L.F./LINEAR FEET L.H./LEFT HAND LIN./LINEAR LKR./LOCKER L.L.H./LONG LEG HORIZONTAL L.P./LOW POINT LT./LIGHT LVR./LOUVER

MACH./MACHINE MAINT./MAINTENANCE MATL./MATERIAL MAS./MASONRY MAX./MAXIMUM M.B./MARKER BOARD or MACHINE BOLT M.C./MEDICINE CABINET MECH./MECHANICAL MEMB./MEMBRANE MET./METAL MFR./MANUFACTURER MIN./MINIMUM MIR./MIRROR MISC./MISCELLANEOUS MK /MARK M.O./MASONRY OPENING MTD./MOUNTED MTL./METAL MUL./MULLION N./NORTH

(N)/NEW N/A/NOT APPLICABLE N.I.C./NOT IN CONTRACT NO./NUMBER NOM./NOMINAL N.T.S./NOT TO SCALE N.W./NORTHWEST OBS./OBSCURE

O.C./ON CENTER O.D./OUTSIDE DIAMETER or DIMENSION O.F.C.I./OWNER FURNISHED, CONTRACTOR INSTALLED O.F.D./OVERFLOW DRAIN O.F.S./OVERFLOW SCUPPER O.H./OVER HEAD OPNG./OPENING OPP. HD./ OPPOSITE HAND OZ./OUNCE

P.A./PLANTING AREA

P.B./PANIC BAR P.C.P./PRECAST CONCRETE PERIM./PERIMETER PL./PLATE PL .G./PLATE GLASS P.LAM./PLASTIC LAMINATE PLAS./PLASTER PLBG./PLUMBING PLYWD./PLYWOOD PNL./PANEL PR./PAIR PREP./PREPARATION P.S.F./POUNDS PER SQUARE FOOT P.S.I./POUNDS PER SQUARE INCH P.T./PRESSURE TREATED PT./POINT P.T.D./PAPER TOWEL DISPENSER PTN./PARTITION PVC/POLYVINYL CHLORIDE PVMT./PAVEMENT R./RISER OR REFRIGERATOR (R)/REMOVE R.A./RETURN AIR RAD./RADIUS R.B./RUBBER BASE R.C.P./REFLECTED CEILING PLAN R.D./ROOF DRAIN REF./REFERENCE REFR./REFRIGERATION REINF./REINFORCED

REQD./REQUIRED

RESIL./RESILIENT

R.H./RIGHT HAND

RWD./REDWOOD

R.O./ROUGH OPENING

R.W.L./RAINWATER LEADER

RM./ROOM

REV./REVISION OR REVISED

GENERAL NOTES

- CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMISSION OF BIDS TO REVIEW EXISTING CONDITIONS OF AREAS THAT ARE TO BE BID.
- 2. ADMINISTRATIVE REQUIREMENTS:
- A. A COPY OF PARTS 1 & 2, TITLE 24 C.C.R. SHALL BE KEPT ON THE JOB SITE AT
- B. ALL CONSTRUCTION CHANGE DOCUMENTS AND ADDENDA ARE TO BE SIGNED BY THE ARCHITECT, THE CONTRACTOR AND THE OWNER.
- C. ALL TESTS TO CONFORM TO THE REQUIREMENTS OF SECTION 4-335, PART 1. TITLE 24, AND APPROVED TESTING & INSPECTION SHEET.
- D. TESTS OF MATERIALS AND TESTING LAB SHALL BE IN ACCORDANCE WITH SECTION 4-335 OF PART 1, TITLE 24 AND THE DISTRICT SHALL EMPLOY AND PAY THE LAB. COST OF RE-TEST MAY BE BACK-CHARGED TO THE CONTRACTOR.
- E. INSPECTOR TO BE APPROVED BY THE ARCHITECT. INSPECTION TO BE IN ACCORDANCE WITH SECTION 4-333(b). THE DUTY OF THE INSPECTOR SHALL BE IN ACCORDANCE WITH SECTION 4-342, PART 1, TITLE 24.
- F. THE ARCHITECT AND THE STRUCTURAL ENGINEER AND PROFESSIONAL ENGINEER SHALL PERFORM THEIR DUTIES IN ACCORDANCE WITH SECTIONS
- G. THE CONTRACTOR SHALL PERFORM HIS DUTIES IN ACCORDANCE WITH SECTION 4-343, PART 1, TITLE 24.
- H. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION AND ADDITIONS IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHERE IN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24. CALIFORNIA CODE OF REGULATIONS, THE ARCHITECT AND THE OWNER SHOULD BE NOTIFIED.
- 3. USE OF ANY MATERIAL CONTAINING ASBESTOS IS PROHIBITED.

4-333(a) AND 4-341, PART 1, TITLE 24.

- DO NOT SCALE DRAWINGS. DRAWINGS SHOULD BE USED AS A SUPPLEMENTAL TOOL FOR THE CONTRACTOR'S USE IN REVIEWING ACTUAL FIELD CONDITIONS PRIOR TO BIDDING.
- 5. ALL DIMENSIONS ARE APPROXIMATE DUE TO THE AS-BUILT CONDITIONS VARYING FROM ACTUAL FIELD CONDITIONS. ALL DIMENSIONS ARE TO BE FIELD VERIFIED PRIOR TO COMMENCING WORK. DIMENSIONS ARE FROM/TO CENTERLINE OR FACE OF STUDS/SHEATHING U.O.N. PER PLANS.
- MATCH LINES ARE INDICATORS OF WHERE ADJOINING FLOOR PLANS MEET. SEE PLANS ON BOTH SIDES OF MATCH LINE FOR INFORMATION OVERLAPPING THE LINE.
- THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS TO INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, AND SERVICES NECESSARY FOR ALL WORK SHOWN, PRESCRIBED, OR REASONABLY IMPLIED, BUT NOT LIMITED TO THAT EXPLICITLY INDICATED IN THE CONTRACT DOCUMENTS. WHERE WORK OR EQUIPMENT IS INDICATED N.I.C. (NOT IN CONTRACT), SUCH WORK AND/OR EQUIPMENT SHALL BE PROVIDED BY OTHERS. CONTRACTOR SHALL COORDINATE AND COOPERATE TO EFFECT SUCH INSTALLATION. ALL REQUESTS FOR CLARIFICATIONS OF THESE DRAWINGS SHALL BE DIRECTED TO HED. ALL REQUIRED WORK SHALL BE PERFORMED BY THE CONTRACTOR INCLUDING THE GENERAL CONTRACTOR AND HIS SUBCONTRACTORS, THEY SHALL BE ONE AND THE SAME. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES ON THE PROJECTS. ANY CHANGES OR DELAYS ARISING FROM CONFLICTS BETWEEN TRADES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING THAT ALL TRADES COORDINATE INTERFACE BETWEEN THEMSELVES, I.E., PLUMBING, ROUGH-IN CABINETRY, ETC.
- EXISTING UTILITIES AND IMPROVEMENTS DAMAGED DURING THE COURSE OF THE WORK SHALL BE PROMPTLY REPAIRED. EXISTING UTILITIES AND IMPROVEMENTS DAMAGED FOR WHICH LOCATIONS WERE UNKNOWN. SHALL BE IMMEDIATELY BROUGHT TO THE OWNER'S AND ARCHITECT'S ATTENTION AND PROMPTLY REPAIRED AT HIS/HER DIRECTION. THE WORK REQUIRED TO REPAIR DAMAGED EXISTING UTILITIES AND IMPROVEMENTS FOR WHICH LOCATIONS WERE UNKNOWN WILL BE REVIEWED AND TAKEN UNDER CONSIDERATION AS EXTRA WORK.
- 9. ALL ITEMS NOTED TO BE SALVAGED SHALL BE RETURNED TO THE OWNER.
- 10. THE TERM "TYPICAL" (TYP.) SHALL BE CONSTRUED TO MEAN APPLYING TO ALL LIKE OR SIMILAR CONDITIONS IN THE AREAS DESIGNATED FOR WORK SCOPE (IE. WITHIN THE BOUNDARIES OF THIS PROJECT.).
- 11. PENETRATIONS IN FIRE RATED ASSEMBLIES AND BEARING WALLS SHALL BE PROTECTED AS REQUIRED BY 2016 CBC CHAPTER 7.
- 12. THE CONSTRUCTION DOCUMENTS, INCLUDING THE SPECIFICATIONS AND DRAWINGS, ARE COMPLEMENTARY AND WHAT IS CALLED FOR BY ANY ONE SHALL BE AS BINDING AS IF CALLED FOR BY ALL. IN CASE OF CONFLICT, LARGE SCALE (DETAIL) DRAWINGS SHALL GOVERN OVER SMALL-SCALE DRAWINGS. THE SPECIFICATIONS SHALL GOVERN OVER BOTH THE CONSTRUCTION PROJECT MANUAL AND THE CONTRACT DRAWINGS EXCEPT AS NOTED HEREIN BELOW, SPECIAL CONDITIONS SHALL GOVERN OVER BOTH THE CONSTRUCTION DRAWINGS AND THE GENERAL CONDITIONS, AND SUBSEQUENT ADDENDA. INTERPRETATIONS, OR CHANGE ORDERS SHALL GOVERN OVER THE ORIGINAL DOCUMENTS, UNLESS A DIFFERENT ORDER OF PRECEDENCE IS NOTED ELSEWHERE IN CONJUNCTION WITH A SPECIFIC PORTION OF THE DOCUMENTS.
- 13. IN CASE OF CONFLICT BETWEEN THE DRAWINGS AND SPECIFICATIONS, THE DOCUMENT CONTAINING ADDITIONAL QUANTITIES SHALL GOVERN IN MATTERS OF QUANTITY; THE DOCUMENT REQUIRING A HIGHER DEGREE OF QUALITY SHALL GOVERN IN MATTERS OF QUALITY. IN CASE OF CONFLICT WITHIN THE DRAWINGS INVOLVING QUANTITIES OR WITHIN THE SPECIFICATIONS INVOLVING QUALITY, THE GREATER QUANTITY AND THE HIGHER QUALITY SHALL BE FURNISHED. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ALL SUCH QUANTITY AND QUALITY CONFLICTS AND SHALL AGREE UPON RESOLUTION, IN WRITING, PRIOR TO PROCEEDING.
- 4. WHERE ON ANY DRAWING A PORTION OF THE WORK IS DRAWN OUT AND THE REMAINDER IS INDICATED IN OUTLINE, THE DRAWN-OUT PARTS SHALL APPLY TO ALL OTHER LIKE PORTIONS OF THE WORK. WHERE ORNAMENT OR OTHER DETAILS IS INDICATED AS STARTING, SUCH DETAIL SHALL BE CONTINUED THROUGHOUT THE COURSES OR PARTS IN WHICH IT OCCURS AND SHALL ALSO APPLY TO OTHER SIMILAR PARTS IN THE WORK, UNLESS OTHERWISE INDICATED.
- 15. THE ARCHITECT'S APPROVAL OF SHOP DRAWINGS SHALL NOT RELIEVE THE GENERAL CONTRACTOR FROM RESPONSIBILITY FOR DEVIATIONS FROM DRAWINGS OR SPECIFICATIONS UNLESS HE HAS (IN WRITING) CALLED THE ARCHITECT'S ATTENTION TO SUCH DEVIATIONS AT THE TIME OF SUBMISSION NOR SHALL IT RELIEVE HIM OF RESPONSIBILITY FOR ERRORS OF ANY SORT IN THE SHOP DRAWINGS.
- 16. GENERAL CONTRACTOR OR ITS SUBCONTRACTORS SHALL BE RESPONSIBLE FOR VERIFICATION AND APPROVALS OF SUBSTITUTED MATERIALS AS REQUIRED BY GOVERNING CODES AND AGENCIES.
- 17. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTORS TO SUPPLY AND DISTRIBUTE ADEQUATE COPIES OF ALL DRAWINGS TO ALL TRADES FALLING UNDER THEIR RESPONSIBILITY AT ALL TIMES DURING THE PROGRESS OF THE JOB (I.E.; REVISIONS).
- 18. UPON COMPLETION OF THE JOB, THE GENERAL CONTRACTOR SHALL SUBMIT CERTIFICATES OF INSPECTION OF SATISFACTORY COMPLETION. AND OPERATION AND MAINTENANCE INSTRUCTIONS OF ALL EQUIPMENT TO THE OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL WORK AND MATERIALS IN CONFORMANCE WITH ANY CODE OR CODES OF FEDERAL, STATE, COUNTY OR MUNICIPALITY HAVING JURISDICTION OVER SUCH WORK. ALL APPLICABLE REQUIREMENTS IN THESE REGULATIONS SHALL BE FOLLOWED THE SAME AS IF NOTED ON THE DRAWINGS. CONFLICTS BETWEEN WORK SET FORTH ON THE DRAWINGS AND BUILDING CODES, LAWS OR REGULATIONS NOTED BY THE GENERAL CONTRACTOR SHALL BE SUBMITTED TO THE ARCHITECT FOR RESOLUTION PRIOR TO PROCEEDING WITH THE WORK.
- 19. THE CONTRACTOR SHALL SUBMIT ALL PERTINENT SHOP DRAWINGS AND COLOR SAMPLES FOR THE ARCHITECT'S REVIEW. ALLOWING ADEQUATE TIME FOR REVIEW AND CORRECTIVE ACTION, SHOULD IT BE REQUIRED. BY SUBMITTING SHOP DRAWINGS, THE CONTRACTOR THEREBY REPRESENTS THAT HE HAS VERIFIED ALL FIELD MEASUREMENTS, METHODS OF ACCESS TO THE POINT OF INSTALLATION AND SIMILAR FIELD CRITERIA FOR AND ALL PREFABRICATED ASSEMBLIES OTHER THAN BUILDING STANDARD WORK.
- 20. THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL KEEP THE PROJECT AREA AND SURROUNDING AREA FREE FROM DUST NUISANCE. THE WORK SHALL BE IN CONFORMANCE WITH THE AIR POLLUTION CONTROL STANDARDS AND REGULATIONS OF THE STATE DEPARTMENT OF HEALTH AND AGENCIES.
- 21. NO EXTRA WORK OR CHARGE SHALL BE MADE UNLESS WRITTEN AND COUNTERSIGNED BY THE ARCHITECT AND OWNER OR WRITTEN ORDER FROM THE ARCHITECT IS OBTAINED. THIS ORDER SHALL STATE THAT THE OWNER HAS AUTHORIZED THE EXTRA WORK OR CHARGE AND NO CLAIM FOR AN ADDITIONAL SUM SHALL BE VALID UNLESS SO PRESENTED AS DESCRIBED ABOVE.
- 22. CONSTRUCTION DEBRIS AND WASTES SHALL BE DEPOSITED AT AN APPROPRIATE SITE. THE CONTRACTOR SHALL AT ALL TIMES, KEEP PREMISES FREE FROM ACCUMULATION OF DEBRIS CAUSED BY ITS OPERATIONS. AT THE COMPLETION OF THE WORK, THE CONTRACTOR SHALL CLEAN THE BUILDING AND LEAVE THE WORK "READY FOR MOPPING AND WAXING."
- 23. GENERAL CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND FIELD VERIFYING DEMOLITION REQUIREMENTS IN RELATION TO CONSTRUCTION DRAWINGS. THE ARCHITECT IS TO BE NOTIFIED OF ANY AND ALL CONFLICTS, DISCREPANCIES OR PROBLEMS.
- 24. CONTRACTOR TO REPAIR AND PATCH ALL AREAS DISTURBED DUE TO THIS PROJECT'S SCOPE OF WORK.

SYMBOL LEGEND

----- PROPERTY LINE

OPENING (TAG)

DOOR TAG

——×— EXISTING CHAIN LINK FENCE

-DETAIL NUMBEF

STATE AND LOCAL REGULATIONS.

— I — PLAN RESIDES

EXISTING BUILDING - NOT IN SCOPE

— — — NEW CHAIN LINK FENCE PER DETAIL 6/AS-102

HAZARDOUS MATERIALS NOTES

-SHEET NUMBER WHERE SECTION, DETAIL,

THE DESIGN TEAM HAS NO RESPONSIBILITY FOR THE DISCOVERY,

PRESENCE, HANDLING, REMOVAL OR DISPOSAL OF, OR EXPOSURE

OF PERSONS TO, HAZARDOUS MATERIALS OR TOXIC SUBSTANCES

IN ANY FORM AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED

BIPHENYL (PCB), LEAD PAINT OR OTHER TOXIC SUBSTANCES. THE

FACT THAT THESE DOCUMENTS DO NOT INDICATE THE PRESENCE

INTENDED TO INDICATE THAT THESE MATERIALS OR SUBSTANCES,

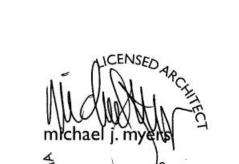
AMONG OTHERS, ARE NOT PRESENT AND ARE NOT REQUIRED TO

OF OR REMOVAL OR CONTAINMENT OF THE FOREGOING IS NOT

BE REMOVED OR CONTAINED IN COMPLIANCE WITH FEDERAL

TO ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED





Terra Linda **High School**

320 Nova Albion Way San Rafael, CA 94903 (415) 492-3100

Issued For

4/12/18 Construction Documents

Suite 400 San Francisco, CA 94104 USA (415) 981-2345

WWW.HED.DESIGN

Architectural General Information



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High School
Utility Relocation

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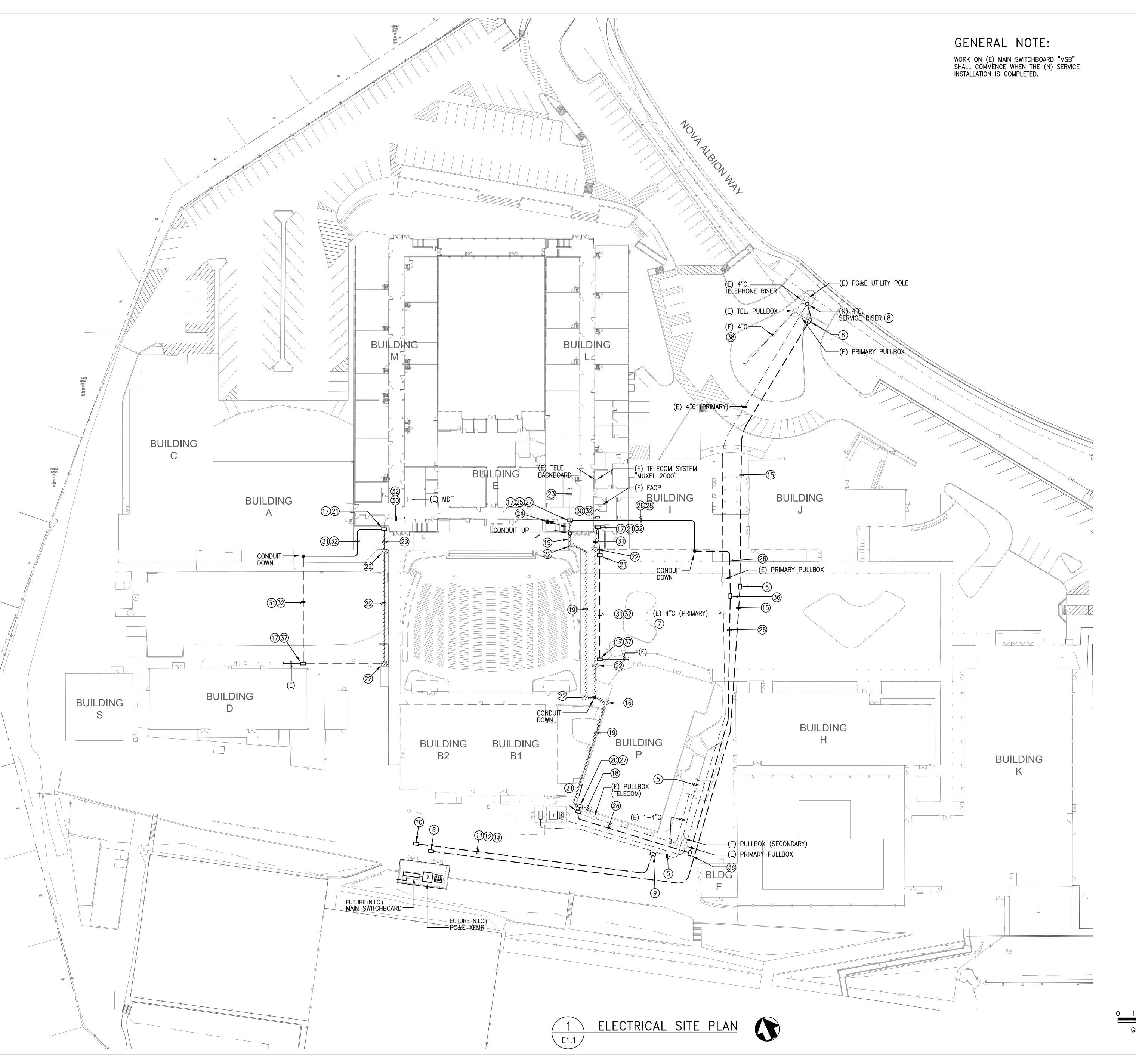
WWW.HED.DESIGN



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GENERAL NOTES, LEGEND, ABBREVIATIONS AND DRAWING INDEX

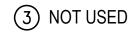
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SHEET NOTES:

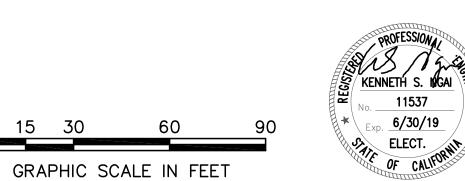
- 1) NOT USED
- 2 NOT USED





- 4 NOT USED
- (5) (E) 2-4"C WITH BRANCH FEEDER WIRES.
- 6 PROVIDE PRIMARY PULLBOX PER PG&E REQUIREMENT.
- 7 NOT USED

- 8 PROVIDE (1) 4"C RISER PER PG&E REQUIREMENT.
- (9) INSTALL (N) PULLBOX ADJACENT TO (E) CONDUIT RUN
- 10 NOT USED
- ① (3) 3 1/2°C (7) 2 1/2°C (3) 1 1/2°C
- (2) 3 1/2°C (6) 2 1/2°C (6) 2 1/2°C (SPARE)
- 13 NOT USED
- (14) SEE SINGLE LINE DIAGRAM FOR WIRE SIZE. (15) (N) 1-4" CO
- (E) PULLBOX ON THE EXTERIOR WALL OF (E) BUILDING "P" SHALL BE REMOVED.
- 17) INSTALL (N) PULLBOX IN (E) CONDUIT RUN.
- (18) (E) 3-2 1/2"C WITH 4 #4/0 & 1 #4 GND. EACH UP TO (E) DISTRIBUTION PANEL "DP-P" IN ELECTRICAL ROOM OF (E) BLDG "P".
- (19) REMOVE (E) 3-2 1/2"C MOUNTED ON THE (E) CANOPY OR WALL. PULL (E) 4 #4/0 & 1 #4 GND IN EACH (E) 2 1/2"C UP TO (N) PULLBOX, SEE NOTE (20) FOR ADDÍTIONAL WORK REQUIRED.
- (20) INSTALL (N) PULLBOX IN (E) CONDUIT RUN AND MOUNT ON THE INTERIOR WALL OF THE BUILDING. FIELD VERIFY EXACT MOUNTING HEIGHT. (N) PULLBOX SIZE SHALL BE 24"x18"x8" IN NEMA 1 ENCLOSURE.
- 21) PROVIDE 24"X18"X8" NEMA 3R PULLBOX AND SECURE ON EXTERIOR WALL OF THE BUILDING, FIELD VERIFY EXACT MOUNTING HEIGHT.
- 22) REMOVE (E) PULLBOX MOUNTED ON THE CANOPY.
- 23 (E) 3-2 1/2"C, 4 #4/0 & 1 #4 GND (EACH)
- (N) PULLBOX ON THE ROOF, SEE NOTE (25).
- (25) INSTALL (N) PULLBOX IN (E) CONDUIT RUN ON THE ROOF.
 (N) PULLBOX SIZE SHALL BE 24"x18"x8" IN NEMA 3R ÈNCLOSURE.
- 26 (N) 3-2 1/2"C, 4 #4/0 & 1 #4 GND (EACH).
- 27) SPLICE (E) CONDUCTORS TO (N) CONDUCTOR INSIDE PULLBOX.
- 28) ROUTE CONDUIT ON THE ROOF AND PROVIDE CONDUIT SUPPORT AT 10FT. INTERVAL MAXIMUM.
- (29) (E) (3) 2"C WITH LOW VOLTAGE WIRES LOCATED ON THE (E) CANOPY, REMOVE THESE CONDUITS AND ASSOCIÁTED WIRES UP TO SOURCE.
- (3) (E) (3) 2"C WITH LOW VOLTAGE WIRES UP TO (E) HEAD-END EQUIPMENTS.
- (31) (N) 3-2"C (CLOCK/SPEAKER/TEL/DATA/FIRE ALARM)
- 32) PROVIDE (N) LOW VOLTAGE WIRES FROM HEAD-END EQUIPMENT UP TO (E) DEVICES BEING SERVED TO MATCH (E) CONDITION.
- 33 NOT USED
- 34) NOT USED
- 35) NOT USED
- (N) PULLBOX SHALL BE CHRISTY CAT #B1730 WITH 12" EXTENSION AND COVER CAT #B1730-51JH, COVER SHALL BE ENGRAVED WITH "ELECTRIC".
- 37 SAME AS NOTE 36 EXCEPT COVER SHALL BE ENGRAVED WITH "SIGNAL".
- (38) PROTECT (E) TEL. PRIMARY CONDUIT DURING CONSTRUCTION. MAINTAIN CIRCUIT CONTINUITY.







SAN RAFAEL CITY SCHOOLS

Terra Linda

High School

Utility Relocation

320 Nova Albion Way San Rafael, CA 94903 (415) 492-3105

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4701 Patrick Henry Drive, Bldg. 10 phone (408) 970-9888 fax (408) 970-9316

PROJECT NO. 101-17-07 www.dec-engineers.com

Date Issued For

2016-1000

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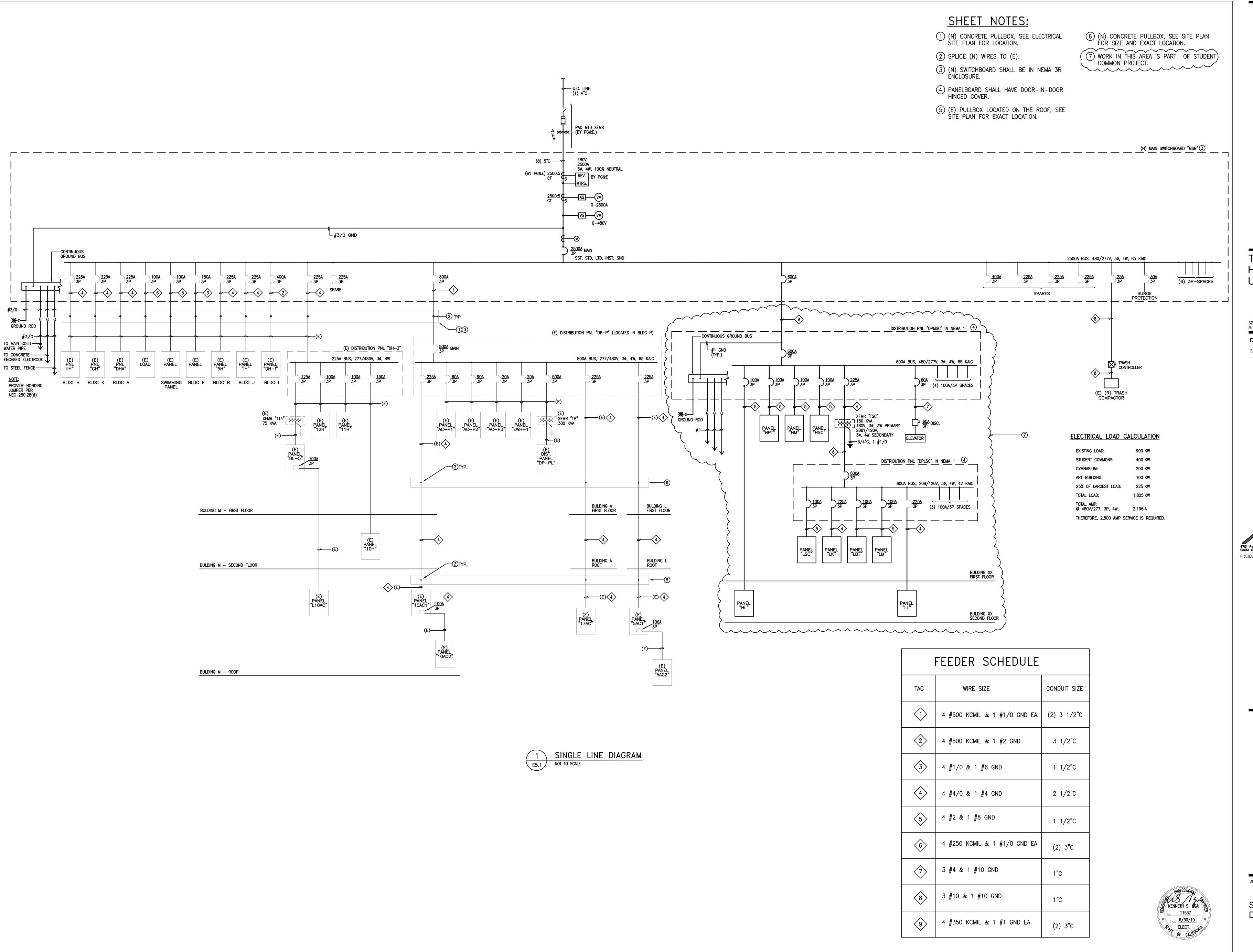
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San Francisco, CA

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ELECTRICAL SITE PLAN

E1.1





Terra Linda High School Utility Relocation

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Date Issued For

2/1/18 CONSTRUCTION DOCUMENTS

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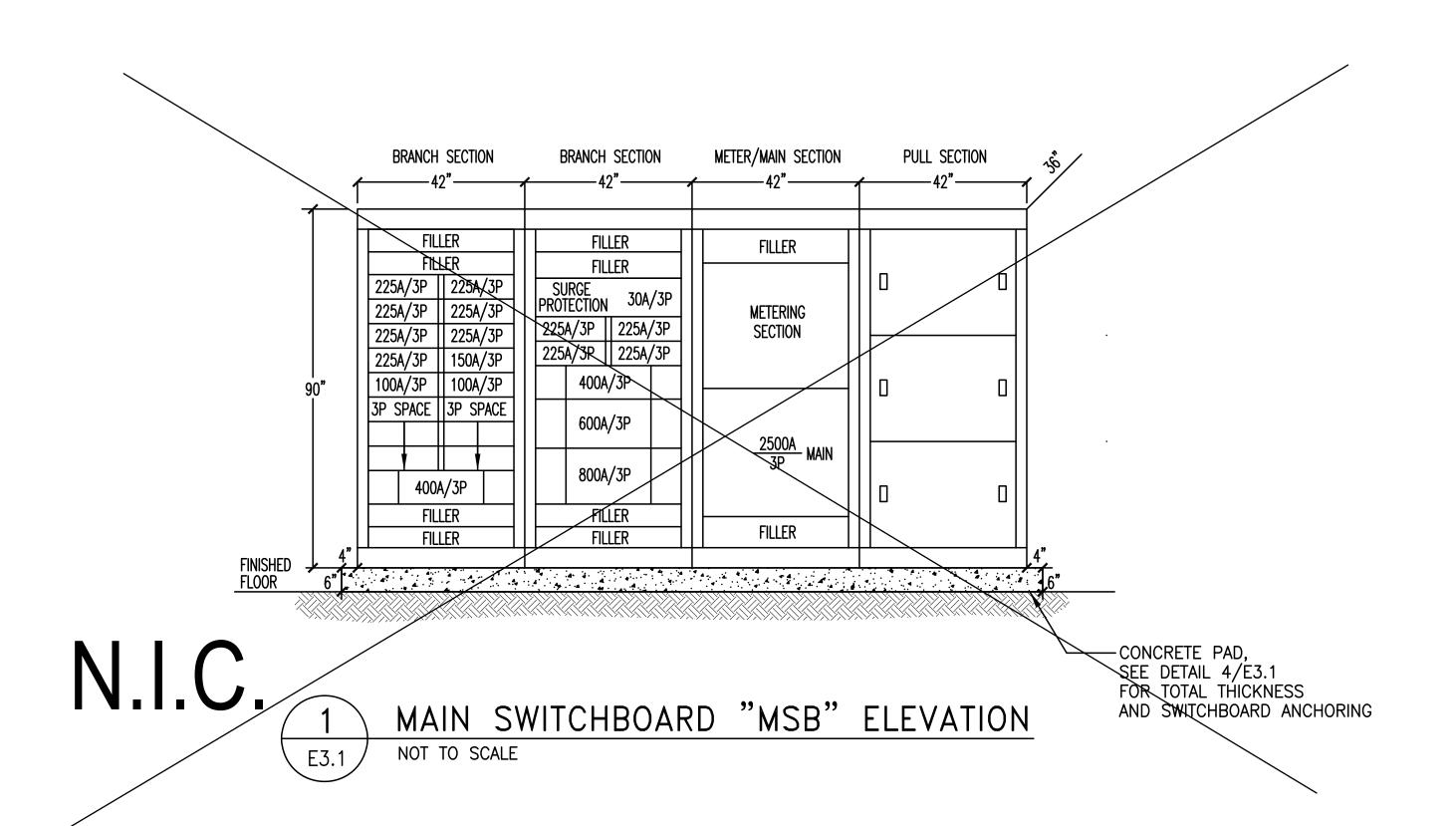
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SINGLE LINE DIAGRAM

E2.1



GROUND FENCE WITH #2 AWG BARE SOLID TINNED COPPER GROUND WIRE

GROUND ROD

WHERE INDICATED

AT FENCE CORNER

CONNECT TO PERIMETER

GROUNDING SYSTEM

—CONCRETE FOOTING

DETAIL - FENCE GROUND

FINISH GRADE (SEE 5/E3.1)

WARNING TAPE

"CAUTION BURIED

ELECTRIC LINE"

— COMPACT FILL TO 95% DENSITY

SIGNAL SYSTEM

FENCE POST ——

×12" MIN.———

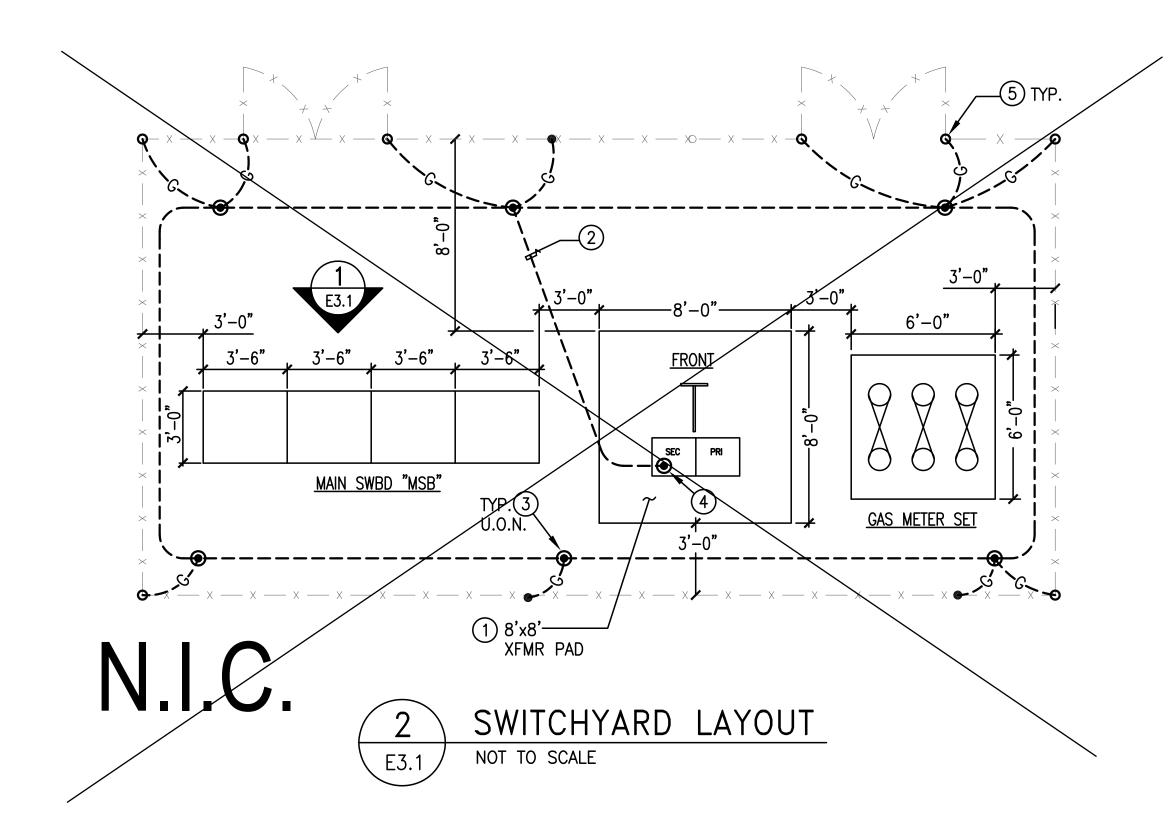
NOT TO SCALE

E3.1

WHERE OCCURS

— CADWELD CONNECTIONS—

— GATE FLEXHBLE JUMPERS





— IN ASPHALT PAVEMENT/CONCRETE

AREAS SAW CUT AND

REPAIR PAVEMENT TO MATCH EXISTING. REPAIR SHALL BE NOT LESS THAN

— BASE COURSE 95% COMPACTED

SAND BEDDING 50% COMPACTED

- PVC CONDUIT (POWER)

- NATIVE BACKFILL 95%
COMPACTED UNDER PAVED
AREA AND 85% COMPACTED
IN PLANTED AREAS

4" THICK.

- 1) PROVIDE 8'x8' TRANSFORMER PAD WITH #4 REBAR ON 9" CENTER (MAX) BOTH DIRECTIONS. ALL REBAR SHALL BE TIED AND SECURED.
- 2) #2 STRANDED BARE COPPER WIRE UNDER PAD. CONNECT TO GROUND ROD AT SECONDARY SIDE OF TRANSFORMER AS SHOWN AND LEAVE 4' MIN. OF WIRE SLACK.
- 3 5/8" DIA. x 8' COPPER CLAD GROUND ROD, LOCATE 6' MINIMUM FROM SECONDARY OPENING.
- (4) 3/4" DIA. x10' COPPER CLAD GROUND ROD.
- 5 GROUND FENCE WITH #2 AWG BARE SOLID TINNED COPPER GROUND WIRE. SEE DETAIL 3/E3.1 FOR ADDITIONAL WORK REQUIRED.

Terra Linda High School **Utility Relocation**

CITY SCHOOLS

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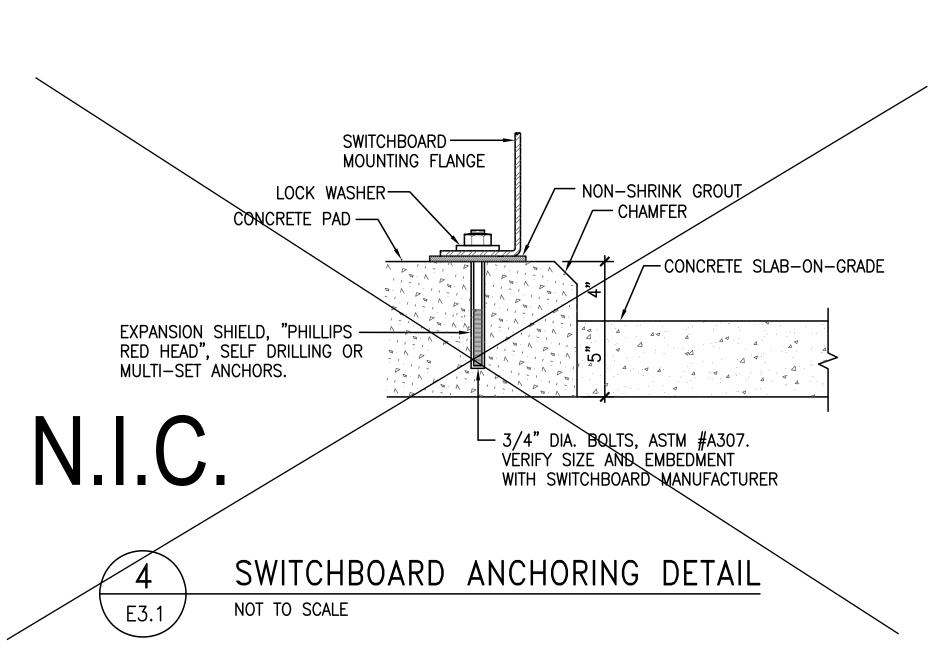


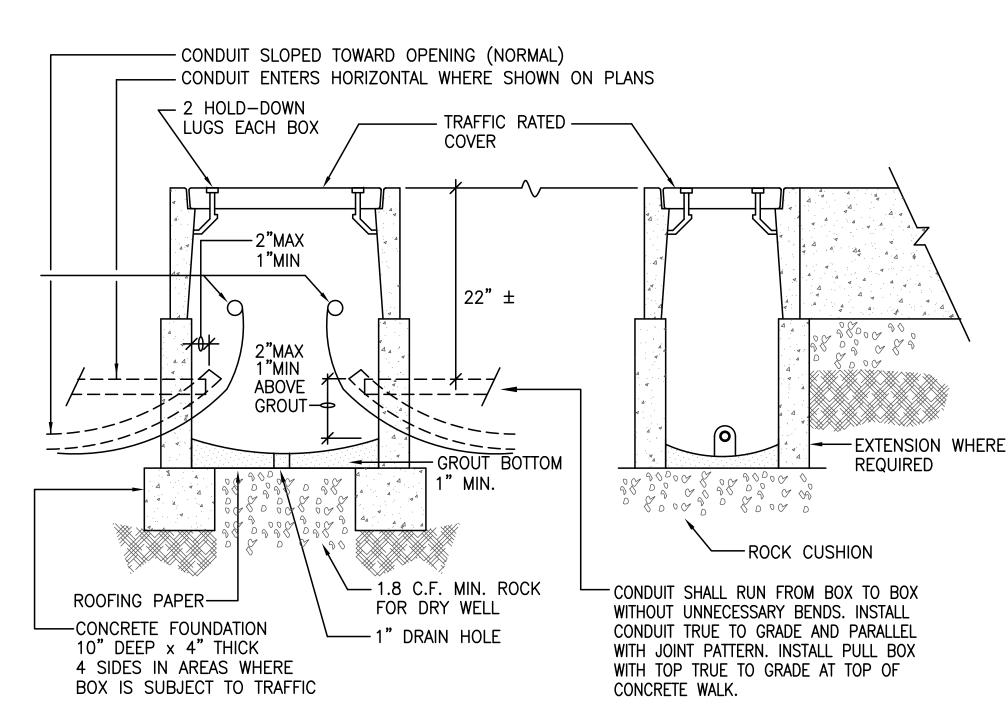


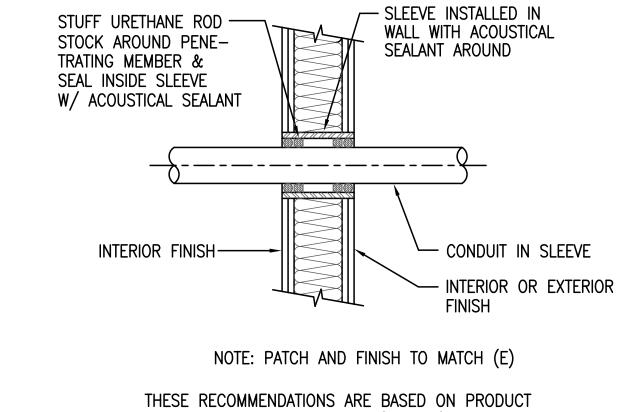
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DETAILS

E3.1







TRENCH DETAIL (PRIMARY CONDUIT)

PLANTED AREA

NOT TO SCALE

STUFF URETHANE ROD —

E3.1

PERFORMANCE PER ASTME-814(UL1479) FIRE TEST AND UL THROUGH PENETRATION FIRESTOP SYSTEM #WL1001.

TYPICAL WALL PENETRATION NOT TO SCALE E3.1

