

RIVERSIDE UNIVERSITY HEALTH SYSTEM RESTORATIVE TRANSFORMATION CENTER

3950 REYNOLDS RD. RIVERSIDE, CA 92503

PROJECT'S SCOPE

PROPOSED NEW NON-ADA CODE COMPLYING RAMP WITH HANDRAILS FOR DELIVERIES & RECEIVING ENTRANCE IN LEIU OF THE EXISTING STEEP RAMP. OMIT EXISTING PARKING TWO PARKING STALLS & RE-STRIPE "NO PARKING"

PROPOSED NEW STORM-WATER DRAINAGE SYSTEM TO ACCOMMODATE THE NEW INSTALLED TURF WHICH WAS COMPLETED IN A SEPARATE PROJECT.

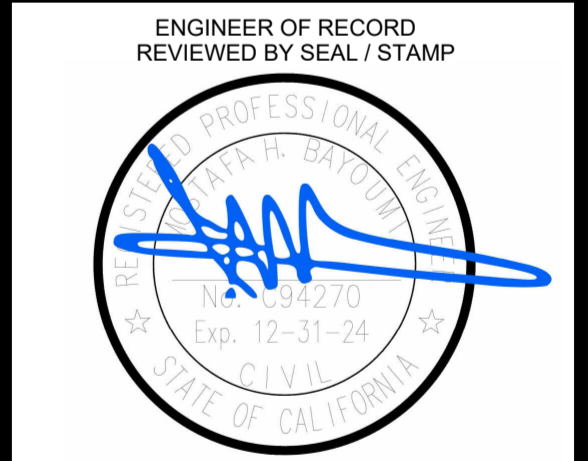
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PROJECT NAME LOCATION OWNER

RESTORATIVE TRANSFORMATION CENTER
3950 REYNOLDS RD. RIVERSIDE CA - 92503
RIVERSIDE UNIVERSITY HEALTH SYSTEM
BEHAVIORAL HEALTH



THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER IS THE LEGAL REPRESENTATION THAT THIS ENGINEERING DRAWINGS, PLANS, AND SPECIFICATIONS WERE PREPARED EITHER BY THE PROFESSIONAL ENGINEER OR ANY OF ACC & ENGINEERING FIRM DESIGNERS WHO WERE UNDER THE RESPONSIBLE CHARGE (DIRECT CONTROL AND PERSONAL SUPERVISION) OF THE PROFESSIONAL ENGINEER. IT FURTHER CERTIFIES THAT THE WORK PERFORMED WAS DONE COMPETENTLY, MEETS THE PROFESSIONAL STANDARD OF CARE, AND IS IN ACCORDANCE WITH ACCEPTED STANDARDS OF PRACTICE.

SHEET NAME
COVER PAGE - SHEET INDEX

SHEET NUMBER
G00

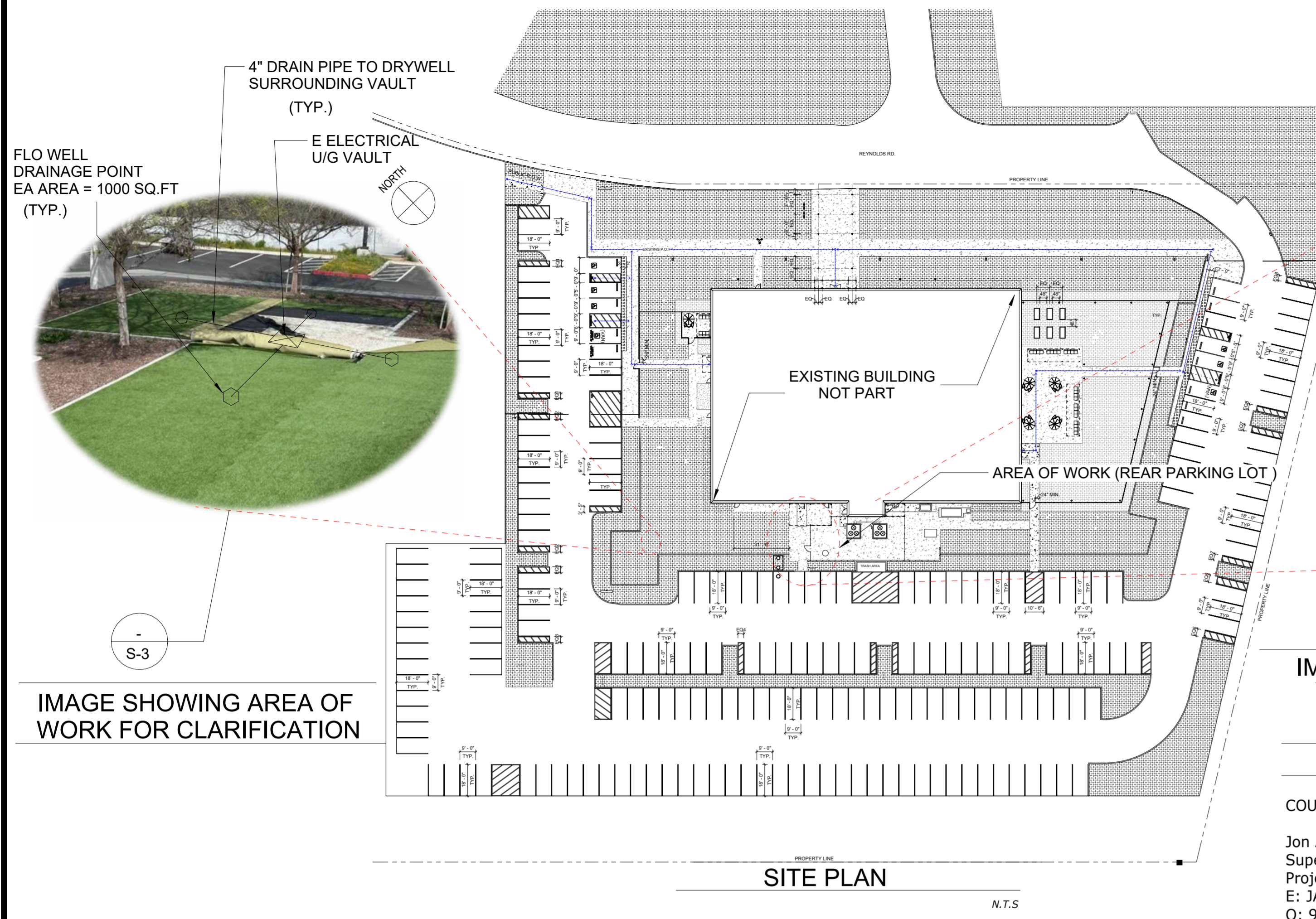


IMAGE SHOWING AREA OF WORK FOR CLARIFICATION

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SHEET NAME	Sheet Number
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SECTIONS & ELEVATIONS	A002
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CONSTRUCTION DETAILS	S-3

TOTAL SHEETS: 7

SITE PLAN GENERAL NOTES

- SEE ENLARGED SITE PLAN FOR ADDITIONAL INFORMATION
- NO ABRUPT CHANGES IN ELEVATION ALONG THE PATH OF TRAVEL ARE ALLOWED. THE SLOPE AND CROSS-SLOPE ALONG THE PATH OF TRAVEL SHALL NOT EXCEED 5% AND 2% RESPECTIVELY.
- EXISTING HARDSCAPE, CANOPIES, PRE-FABRICATED RAISED PLANTER BEDS, BOLLARDS, CHAIN LINK FENCE, GATES, SIGNS, WHEEL STOPS, CONCRETE FLOORING AT TRASH ENCLOSURE AND ANY ITEMS SHOWN ON THE SITE PLAN THAT IS NOT NOTED ON THE ENLARGED SITE PLANS & DETAILS ON THE CIVIL SHEETS, SHALL NOT BE PART OF SCOPE AND TO REMAIN AS IS.

PARKING-LOT CODE ANALYSIS & COMPLIANCE

PER COUNTY MUNICIPAL CODE SECTION 117.188.030: 1 SPACE PER 200 SF

TOTAL PARKING REQUIRED:	20,925 / 200 = 104 STALLS
EXISTING PARKING AVAILABLE	221 STALLS
REMOVED PARKING IN THIS PROJECT	4 STALLS
REMAINING PARKING	217 STALLS O.K.

ACCESSIBLE PARKING SPACES REQUIREMENTS FOR 201-300

	REQUIRED	EXISTING AVAILABLE	
PER TABLE 11B-208.2 ACCESSIBLE PARKING SPACES (TOTAL)	7	7	O.K.
ACCESSIBLE VAN SPACES	1	2	O.K.

LEGEND

- (E) LANDSCAPE TO REMAIN
- (E) LANDSCAPE TO REMAIN
- (E) ASPHALT DRIVEWAY TO REMAIN
- (E) WALKWAY TO REMAIN
- (E) CONCRETE WALKWAY TO REMAIN
- (E) ACCESSIBLE PATH OF TRAVEL. SEE GENERAL NOTE 2

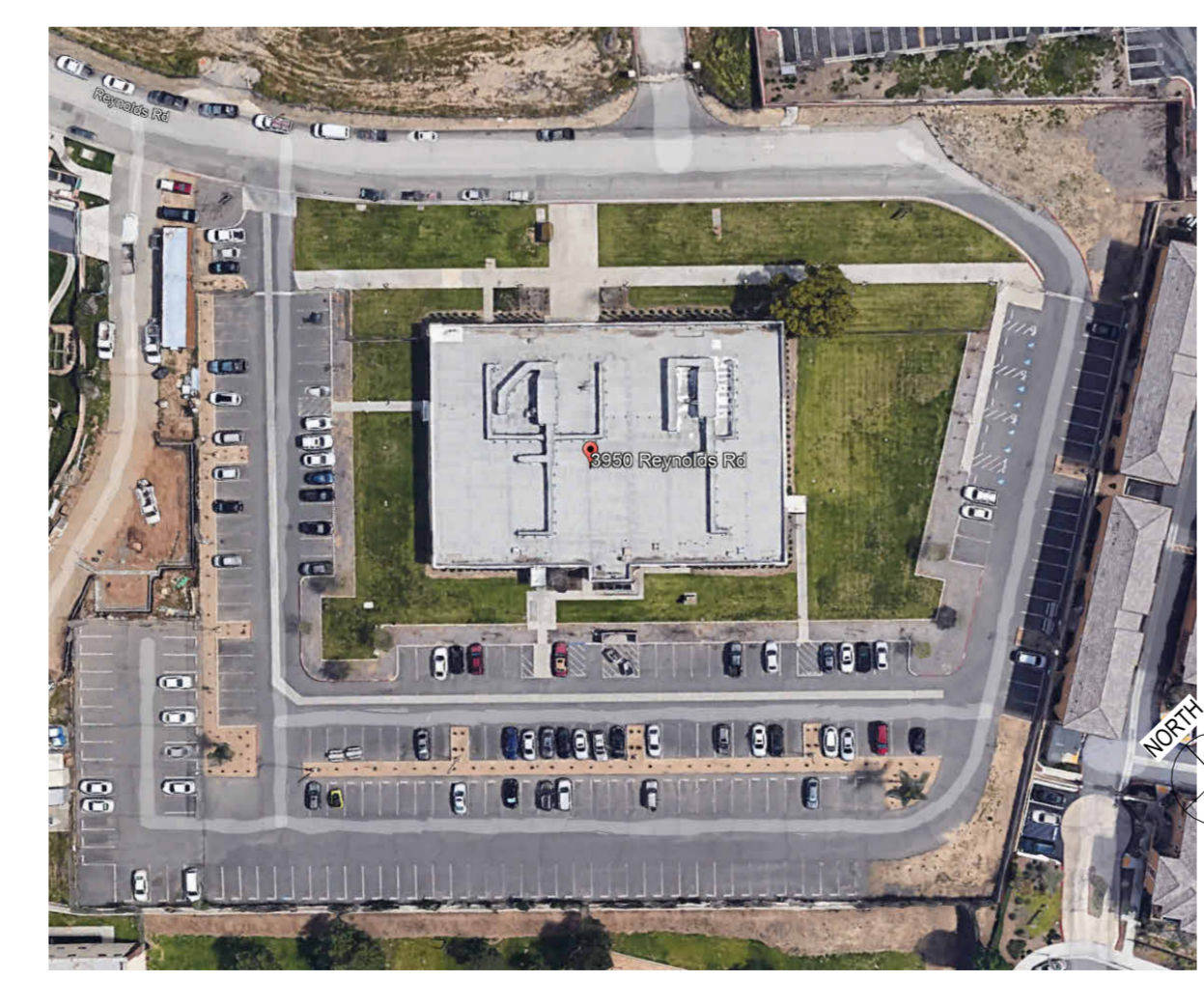
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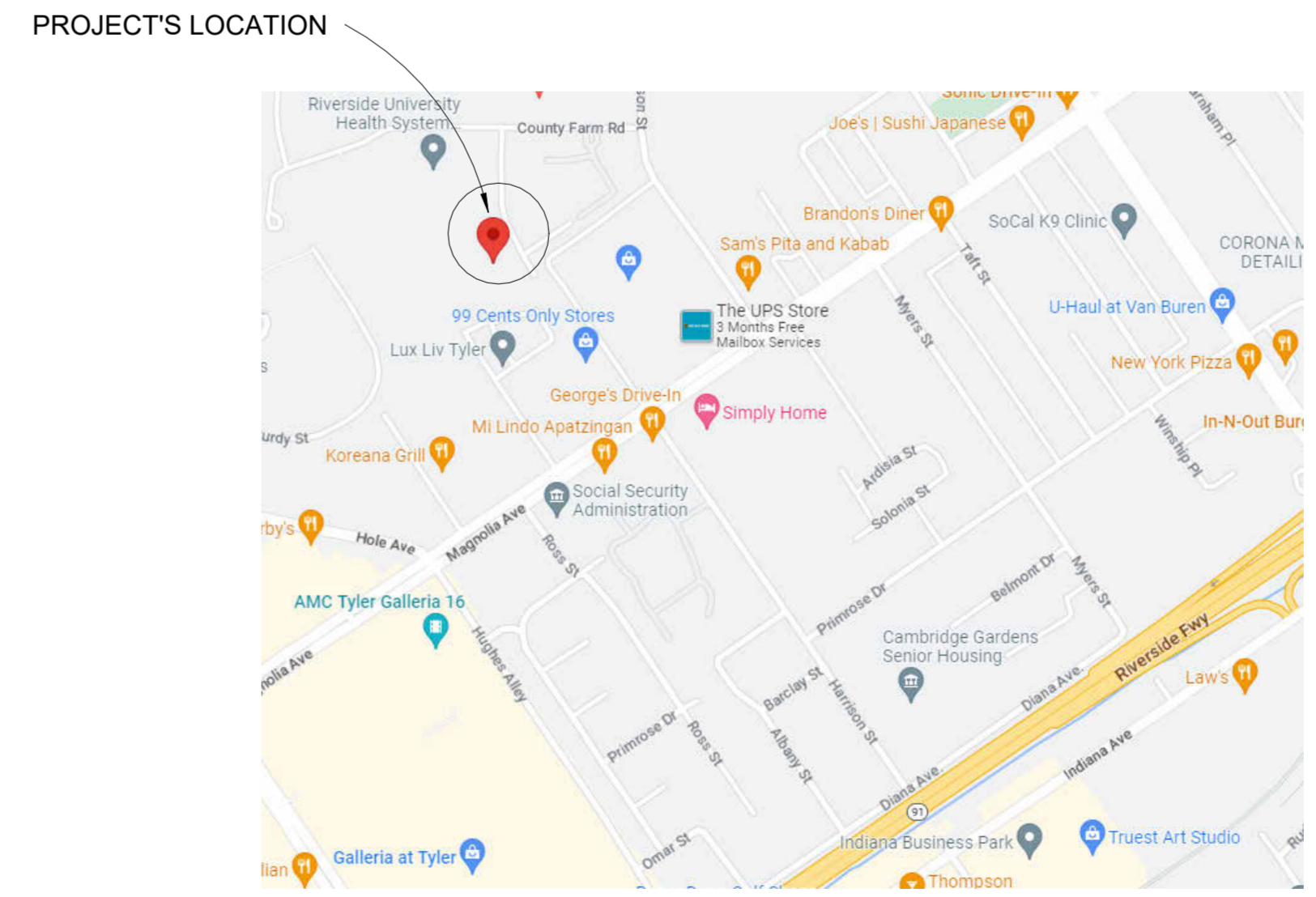
APPLICABLE CODES

- 2022 BUILDING STANDARDS ADMINISTRATIVE CODE, TITLE 24, OCC
- 2022 CALIFORNIA BUILDING CODE (C.B.C.), TITLE 24, C.C.R. (2019 INTERNATIONAL BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH CALIFORNIA AMMENDMENTS)
- 2022 CALIFORNIA ELECTRICAL CODE (C.E.C.), 2001, TITLE 24, C.C.R. (2019 NATIONAL ELECTRICAL CODE OF THE NATIONAL FIRE PROTECTION AGENCY, NFPA)
- 2022 CALIFORNIA MECHANICAL CODE (C.M.C.), TITLE 24, C.C.R. (2019 UNIFORM MECHANICAL CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)
- 2022 CALIFORNIA PLUMBING CODE (C.P.C.), TITLE 24, C.C.R. (2019 UNIFORM PLUMBING CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)
- 2022 CALIFORNIA ENERGY CODE (C.P.C.), TITLE 24, C.C.R.
- 2022 CALIFORNIA FIRE CODE (C.F.C.), TITLE 24, C.C.R. (2019 INTERNATIONAL FIRE CODE OF THE INT'L CODE COUNCIL)
- 2022 CALIFORNIA EXISTING BUILDING CODE, TITLE 24, C.C.R. (2019 INTERNATIONAL EXISTING BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL WITH AMMENDMENTS)
- 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, TITLE 24, C.C.R.
- 2022 CALIFORNIA REFERENCED STANDARDS CODE, TITLE 24, C.C.R.

PROJECT'S LOCATION MAP



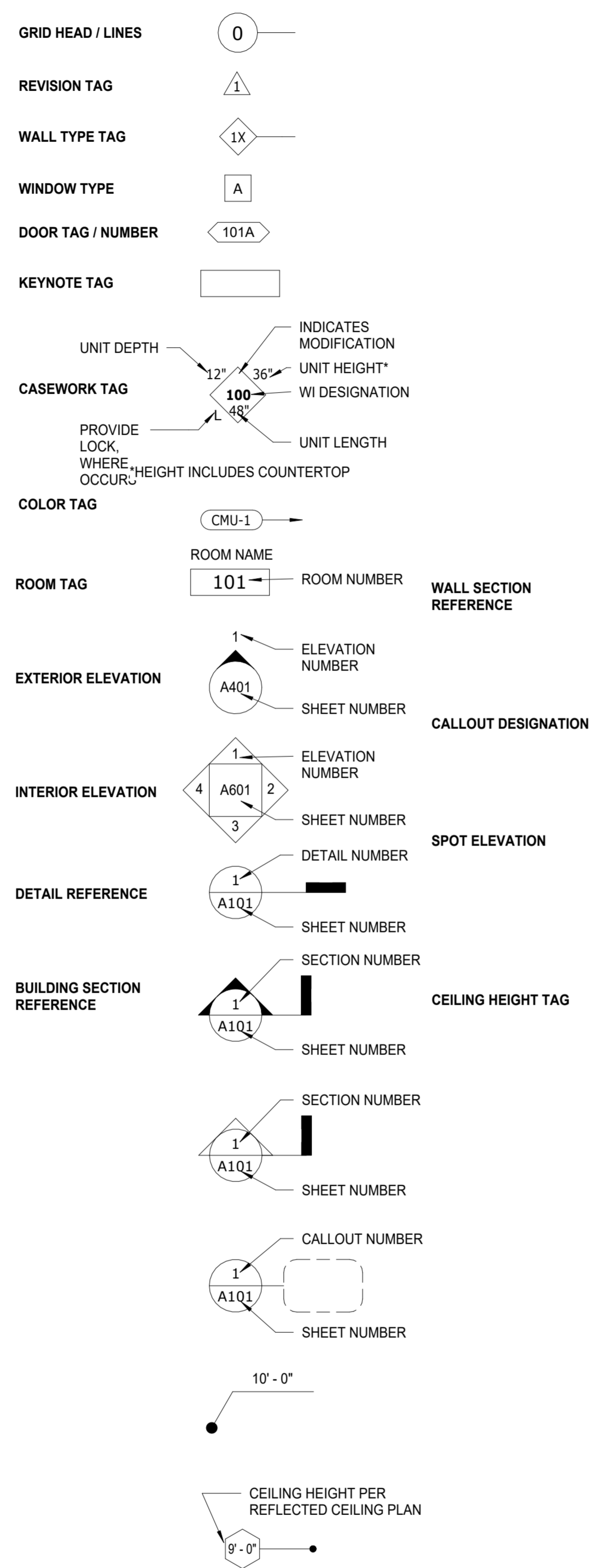
PROJECT VICINITY MAP



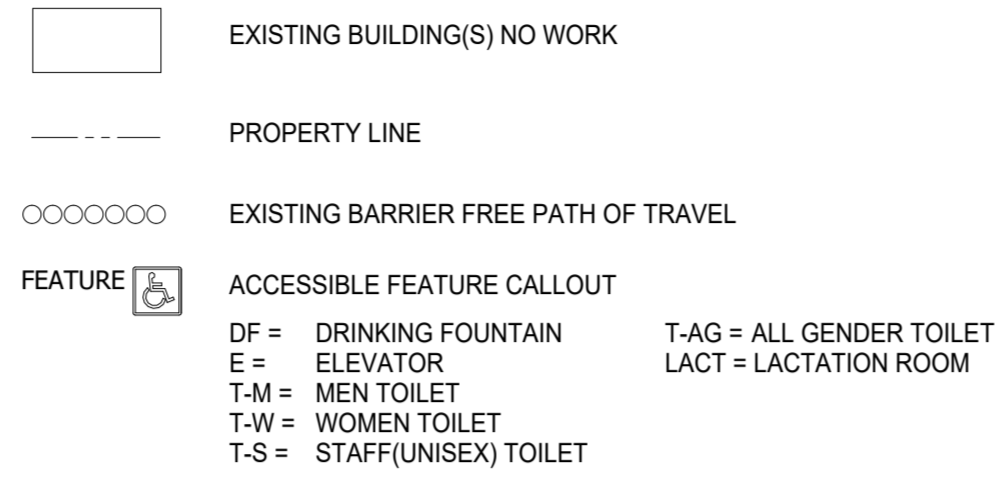
ABBREVIATIONS

1	CENTERLINE	PLUMB PLUMBING
&	PLATE	PLYWOOD
@	AT OR ABOUT	FRESSED METAL
*	FOOT	P.N.L. PANEL
#	INCH OR REPEAT	P.P. PUSH-PULL
+/-	POUND OR NUMBER	P.R. PAIR
	VERIFY IN FIELD	P.P.F. PREFAB. POINT
A.B.	ANCHOR BOLT	Q.T. QUARRY TILE
A.C.	ASPHALTIC CONCRETE	R. RISER / RADIUS
A/C	AIR CONDITIONING	R.A. RETURN AIR
ACC.	ACCESSIBLE	RAD. RADIUS
ADJ.	ADJUSTABLE / ADJACENT	R.C.P. REINFORCED CLAY PIPE
A.F.F.	ABOVE FINISH FLOOR	R.C.D. ROOF DRAIN
AGGR.	AGGREGATE	REC. RECESSED / RECEIVING
ALUM.	ALUMINUM	RECPT. RECEPTACLE
ANOD.	ANODIZED	REF. REFERENCE
APPROX.	APPROXIMATE	REFR. REFRIGERATOR
ARCH.	ARCHITECTURAL	REV. REVERSE
ASPH.	ASPHALT	REG. REGISTER / REGULAR
ASSY.	ASSEMBLY	REIN. REINFORCED
ACT.	ACOUSTICAL TILE	REQ. REQUIRED
		RESIL. RESILIENT
BD.	BOARD	R.H. ROUND HEAD
BITUM.	BITUMINOUS	RM. ROOM
BLDG.	BUILDING	R.O. ROUGH OPENING
BLK.	BLOCK	RS. ROLLER SHADE
BLKG.	BLOCKING	RSM. ROLLER SHADE MOTORIZED
BEM.	BENCH MARK	RWD. REDWOOD
B.M.	BENCHMARK	
BOT.	BOTTOM	S. SOUTH / SPANDREL
B/S	BOTH SIDES	S.C. SOLID CORE
B.W.	BOTH WAYS	SCHED. SCHEDULE
		SECT. SECTION
CAB.	CABINET	SERV. SERVICE / SERVING
C.B.	CATCH BASIN	S.F. SQUARE FOOT
CEM.	CEMENT	S.G.E. SEMI-GLOSS ENAMEL
CER.	CERAMIC	SH. SHEET
C.F.M.	CUBIC FEET PER MINUTE	SHTG. SHEATHING
C.I.	CAST IRON	SIM. SIMILAR
C.J.	CEILING JOIST OR CONTROL JOINT	SL. SLIDING
CLG.	CEILING	SPEC. SPECIFICATION
CLO.	CLOSET	SQ. SQUARE
CLR.	CLEAR	S.S. STAINLESS STEEL
C.M.U.	CONCRETE MASONRY UNIT	S/S. SERVICE SINK
COL.	COLUMN	STA. STATION
COMPO.	COMPOSITION	STD. STANDARD
CONC.	CONCRETE	STL. STEEL
CONN.	CONNECTION	STOR. STORAGE
CONSTR.	CONSTRUCTION	STRUCT. STRUCTURAL
CONT.	CONTINUOUS	SUSP. SUSPENDED
CONTR.	CONTRACTOR	SYM. SYMMETRICAL
CORR.	CORRIDOR	SKLT. SKYLIGHT
C.R.B.	CRUISER RUN BASE	T. TREAD / TEMPERED
CSK.	COUNTERSUNK	T.B. TOP OF BEAM
C.T.	CERAMIC TILE	T.C. TOP OF CURB OR CONCRETE
CYL.	CYLINDER	TEL. TELEPHONE
		TEMP. TEMPERED / TEMPORARY
DBL.	DOUBLE	TERR. TERRAZZO
DEPT.	DEPARTMENT	TEXT. TEXTURED
DET.	DETAIL	T&G. TONGUE AND GROOVE
D.F.	DRINKING FOUNTAIN	THK. THICK
DF	DOUGLAS FIR	THRESH. THRESHOLD
DG	DRYWALL GRID	T.L. TOP OF LEDGER
DIA.	DIAMETER	TOIL. TOILET
DIAG.	DIAGONAL	T.O.P. TOP OF PARAPET
DIM.	DIMENSION	T.O.S. TOP OF STEEL
DISP.	DISPENSER / DISPOSAL	T.V. TELEVISION
DN.	DOWN	T.O.W. TOP OF WALL
DO.	DITTO / REPEAT	TYP. TYPICAL
DR.	DOOR	TRNSF. TRANSFORMER
D.S.	DOWN SPOUT	U.L. UNDERWRITER'S LAB
D.S.P.	DRY STANDPIPE	UNFIN. UNFINISHED
DWG.	DRAWING	U.N.O. UNLESS NOTED OTHERWISE
DWR.	DRAWER	URN. URINAL
(E)	EXISTING	V. VINYL
E.	EAST / ENAMEL	V.C.T. VINYL COMPOSITION TILE
EA.	EACH	VEN. VENEER
EE	EACH END	VENT. VENTILATOR
E.G.	EXISTING GRADE	VERT. VERTICAL
E.J.	EXPANSION JOINT	VEST. VESTIBULE
EL.	ELEVATION	V.G. VERTICAL GRAIN
ELEC.	ELECTRICAL	V.O.J. VERIFY ON JOB
ELEV.	ELEVATOR / ELEVATION	V.T.R. VENT THRU ROOF
EMER.	EMERGENCY	V.W.C. VINYL WALL COVERING
ENCL.	ENCLOSURE	W. WEST / WOMEN
E.O.S.	EDGE OF SLAB	W/ WITH
EQ.	EQUAL	WSCOT. WAINSCOT
EQPT.	EQUIPMENT	W.C. WATER CLOSET
E.S.	EACH SIDE	WD. WOOD
E.W.	EACH WAY	WH. WATER HEATER
E.O.C.	EDGE OF CONCRETE	W.I. WROUGHT IRON
EXH.	EXHAUST	W/O WITHOUT
EXIST.	EXISTING	WP. WATERPROOF
EXP.	EXPANSION	WR. WATER RESISTANT
EXPO.	EXPOSED	WS. WOOD SCREW
		WT. WEIGHT
		W.W.M. WOVEN WIRE MESH
FLUOR.	FLUORESCENT	
FNDR.	FOUNDATION	
F.O.C.	FACE OF CONCRETE/CURB	
F.O.F.	FACE OF FINISH	
F.O.A.	FACE OF ALUMINUM	
F.O.G.	FACE OF GLAZING	

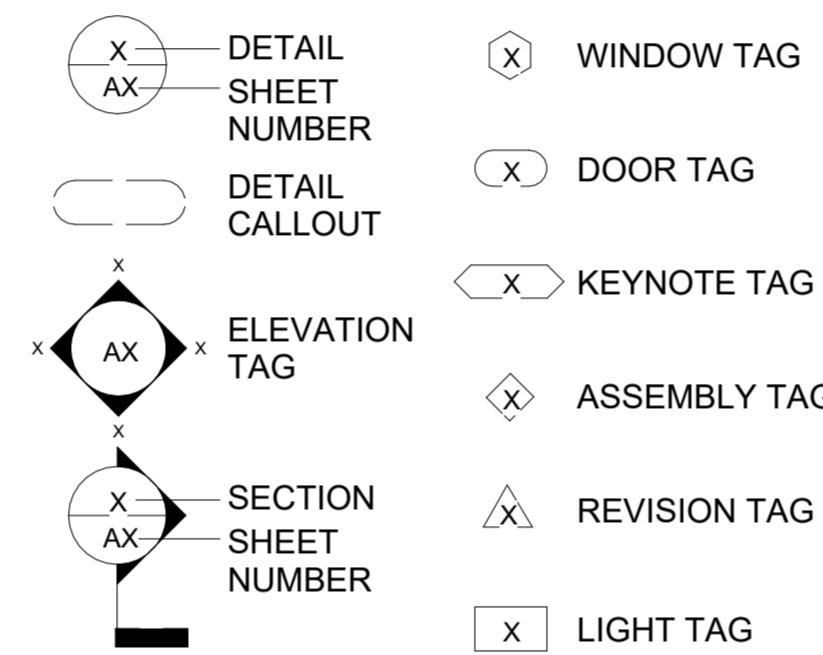
TYPICAL SYMBOLS



SITE ACCESSIBILITY LEGEND



SYMBOL LEGEND



GENERAL NOTES

- ALL WORK MUST BE COORDINATED AND SCHEDULED WITH THE OWNER AND OCCUPANTS OF THIS BUILDING SO AS TO PROVIDE THE LEAST AMOUNT OF DISRUPTION OF BUILDING ACTIVITIES AS POSSIBLE.
 - ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD PLANS OF THE COUNTY OF RIVERSIDE AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION (GREEN BOOK), AND (COUNTY OF RIVERSIDE STANDARD PLANS ORDINANCE NO. 461, 2017 EDITION), OR LATEST EDITION AND ANY CITY ISSUED INDIVIDUAL STANDARDS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL, REPLACEMENT OR RELOCATION OF ALL REGULATORY, WARNING AND GUIDE SIGNS IN A MANNER CONSISTENT WITH THE TRAFFIC MANUAL AND ALL ADA, AND/OR APPLICABLE CITY REGULATIONS.
 - ALL TRAVELED WAYS MUST BE CLEANED DAILY OF ALL DIRT, MUD AND DEBRIS DEPOSITED ON THEM AS A RESULT OF THE CONSTRUCTION OPERATIONS.
 - VERIFY JOB SITE CONDITIONS AND DIMENSIONS BEFORE BEGINNING WORK. PLANS ARE SCHEMATIC IN NATURE. LAYOUT IS BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS.
 - COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION.
 - ALL CUTTING AND PATCHING SHALL BE CLOSELY COORDINATED WITH THE G.C.
 - ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE FIRE STOPPED BY THE TRADE MAKING THE PENETRATION. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR REQUIREMENTS.
 - THIS IS A LIFE SAFETY BUILDING WHICH MEANS IT SHALL REMAIN REASONABLY OPERATIONAL IN THE CASE OF A SEISMIC EVENT. THEREFORE ALL STATIONARY EQUIPMENT ON THE FLOOR SHALL BE FIXED RIGIDLY TO THE STRUCTURE. ALL HANGING PIPING SHALL BE BRACED TO THE STRUCTURE.
 - THE CONTRACTOR SHALL REPLACE ANY EXISTING-TO-REMAIN MATERIALS AND FINISHES, WHICH ARE DAMAGED DURING DEMOLITION OR CONSTRUCTION.
 - PATCH ALL CUTS, OPENINGS AND DAMAGED AREAS THAT OCCUR DURING DEMOLITION. ALL PATCHING SHALL CONFORM TO THE ADJOINING WORK, MATCHING THE FINISH AND QUALITY OF WORKMANSHIP OF THE ADJACENT MATERIALS.
 - CONTRACTOR SHALL MINIMIZE CONSTRUCTION AND DUST WHEREVER POSSIBLE.
 - CONTRACTOR SHALL COORDINATE ANY SYSTEMS SHUT OFF FOR MECHANICAL, ELECTRICAL, PLUMBING OR FIRE PROTECTION AT ANY TIME DURING CONSTRUCTION.
 - LOCATIONS OF ALL UTILITIES SHOWN ARE APPROXIMATE AND DEMOLITION, CUTTING & REMOVING OF ANY ITEMS TO AVOID INTERCEPTING EXISTING PIPING OR CONDUITS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREON OR NOT AND TO PROTECT THEM FROM DAMAGE. THE DESIGNER IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY ANY OTHER CONTRACT. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGNER SHOULD ANY UNIDENTIFIED CONDITIONS BE DISCOVERED. THE CONTRACTOR SHALL BEAR ALL EXPENSE OF REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED BY OPERATIONS IN CONJUNCTION WITH THE EXECUTION OF THIS WORK.
 - THESE DOCUMENTS AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, ARE THE PROPERTY OF ACC & ENGINEERING, AND ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF ACC & ENGINEERING.
 - THE WORK SHOWN ON THESE DRAWINGS AS EXISTING CONDITIONS WAS PREPARED FROM AS-BUILT DRAWINGS FURNISHED BY THE OWNER. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, ACC & ENGINEERING IS NOT RESPONSIBLE FOR THE ACCURACY OR ADEQUACY OF ANY WORK SHOWN AS EXISTING NOR IS ACC & ENGINEERING RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THESE DRAWINGS AS A RESULT.
 - CONTRACTOR SHALL POSSESS AT THE TIME OF PERMIT ISSUANCE A CLASS A OR THE APPROPRIATE CLASS C CONTRACTOR'S LICENSE PURSUANT TO PUBLIC CONTRACT CODE SECTION 3300 AND BUSINESS AND PROFESSIONS CODE SECTION 7028.15. THE SUCCESSFUL BIDDER MUST MAINTAIN THE LICENSE THROUGHOUT THE DURATION OF THIS CONTRACT.
- 18. FIRE SAFETY DURING CONSTRUCTION**
- A. GENERAL: FIRE SAFETY DURING CONSTRUCTION SHALL COMPLY WITH CALIFORNIA FIRE CODE (CFC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 9, CHAPTER 5 AND
- B. ACCESS ROADS: FIRE DEPARTMENT ACCESS ROADS SHALL BE ESTABLISHED AND MAINTAINED IN ACCORDANCE WITH CHAPTER 5, SECTION 501.4 AND CHAPTER 33, SECTION 3310.

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ENGINEER OF RECORD
REVIEWED BY SEAL / STAMP



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SHEET NAME
GENERAL NOTES, SYMBOLS & ABBREVIATIONS

SHEET NUMBER
G001

RENOVATION KEYNOTES

KEYNOTE	DESCRIPTION
SN-01	EXISTING TO REMAIN, PROTECT IN PLACE.
SN-02	SAND BLAST & REMOVE EXISTING PARKING LOT STALLS TO ALLOW FOR NEW "NO PARKING HASHMARKS" AS SHOWN ON THE PLANS & 3D VIEW (TOTAL 4 STALLS).
SN-03	TERMINATE CURB AT EXISTING CURB EDGE - FLUSH SMOOTH CURB RETURN.
SN-07	RELOCATE EXISTING DOWN SPOUT PIPE TO SIDE OF CURB AND PROVIDE FLASHING.
SN-09	EXISTING LANDSCAPE & HARDSCAPE TO REMAIN & PATCHED BACK, MATCH EXISTING.
SN-10	NEW 6" HIGH CONCRETE CURB.
SN-11	EXISTING RAMP TO REMAIN IN PLACE.
SN-12	SAWCUT STRAIGHT ALIGNED TO THE EXISTING RAMP LINE TO START THE NEW RAMP CURB.
SN-13	DASHED RED LINE INDICATE CUT LINES FOR NEW RAMP RETROFIT.
SN-14	EXISTING SEWER MAN-HOLE PROTECT IN PLACE.
SN-15	EXISTING CHAIN-LINK FENCE GATE PROTECT IN PLACE.
SN-16	EXISTING INTERCEPTOR PROTECT IN PLACE (TYP.)
SN-17	PROTECT EXISTING LIGHT POLE IN PLACE - EXCAVATE AWAY FROM EXISTING FOOTING WITH CAUTION TO AVOID ANY DISTURBANCE TO THE EXISTING FOUNDATION - STOP EXCAVATING & INFORM ACC & ENGINEERING IN CASE FOUNDATION WAS UN-COVERED OR DISTURBED DURING RAMP RETROFIT.
SN-18	NEW STRIPING PER CAL TRANS STD. COLOR T.B.D BY COUNTY'S OWNER REPRESENTATIVE PROJECT MANAGER.
SN-19	EXISTING WHITE PARKING STALL PROTECT IN PLACE
SN-20	PROVIDE FLUSH AND MATCHING LEVELS BETWEEN OLD AND NEW CONCRETE SLABS.
SN-22	NEW CBC COMPLYING NOT ADA CONCRETE RAMP -

(1) PREPARE SUBGRADE FOR NEW REINFORCED CONCRETE RAMP.

(2) NEW SLAB 4" THICK CONCRETE W/ #4 @ 16" O.C. E.W.

(3) SURFACE SLOPE SHALL NOT EXCEED 1:12 (8.3%), UNLESS OTHERWISE STATED ON DRAWINGS.

(4) CROSS SLOPE SHALL NOT EXCEED 1:50 GRADIENT (2%), UNLESS OTHERWISE STATED ON DRAWINGS.

(5) SLIP-RESISTANT FINISH SHALL BE APPLIED ON RAMP START TO END.

(6) PATCH AND REPAIR CONCRETE FINISHES AND SUBSTRATES DAMAGED BY RETROFIT WORK TO MATCH CONCRETE FINISHES AND SUBSTRATES DAMAGED BY RETROFIT WORK TO MATCH CONDITION OF ADJACENT UNDISTURBED SURFACES.

SN-23

SN-06 NEW POWDER COAT STEEL STAIR HANDRAILS-

(1) ROUND TUBE STEEL HANDRAIL, 0.120" WALL THICKNESS, 1-1/2" OUTSIDE DIAMETER.

(2) MOUNT TOP OF NEW HANDRAIL AT MAX. 36" ABOVE FINISH PAVING.

(3) HANDRAIL SHALL EXTEND 12" BEYOND TOP RISER & PARALLEL TO THE LANDING SURFACE AND SUM OF TREAD WIDTH PLUS 12" BEYOND BOTTOM RISER & PARALLEL TO THE LANDING SURFACE.

(4) ENDS OF HANDRAILS SHALL BE ROUNDED, RADIUS = 3".

(5) HANDRAILS SHALL BE SMOOTH WITH NO SHARP EDGES AND ABLE TO RESIST A 200 LBS. POINT LOAD FROM ANY DIRECTION.

(6) HANDRAILS SHALL NOT ROTATE WITHIN THEIR FITTINGS.

(7) CENTER ALL VERTICAL SUPPORTS BETWEEN NOSINGS OF ADJACENT TREADS.

(8) MAINTAIN 1-1/2" MINIMUM CLEAR SPACE BETWEEN SIDE OF HANDRAIL AND ADJACENT SURFACE.

RAMP NOTES

1- RAMP FLOOR AND GROUND SURFACE SHALL PROVIDE STABLE, FIRM, AND SLIP RESISTANT. A STATIC COEFFICIENT OF FRICTION OF 0.6 IS RECOMMENDED FOR ACCESSIBLE ROUTES AND 0.8 FOR RAMPS.

2- RISE OF RAMP RUN SHALL NOT EXCEED 30 INCHES MAXIMUM. SEE ASSUMED ELEVATIONS. CONTRACTOR TO FIELD VERIFY.

3- HANDRAIL GRIPPING SURFACES SHALL BE CONTINUOUS ALONG THEIR LENGTH AND SHALL NOT BE OBSTRUCTED ALONG THEIR TOPS OR SIDES. THE BOTTOMS OF HANDRAIL GRIPPING SURFACES SHALL NOT BE OBSTRUCTED FOR MORE THAN 20 PERCENT OF THEIR LENGTH. WHERE PROVIDED, HORIZONTAL PROJECTIONS SHALL OCCUR 1/2 INCHES MINIMUM BELOW THE BOTTOM OF THE HANDRAIL GRIPPING SURFACE.

4- ABRUPT CHANGES IN LEVEL EXCEEDING 4" IN VERTICAL DIMENSION BETWEEN WALKS, SIDEWALKS OR OTHER PEDESTRIAN WAYS AND ADJACENT SURFACES OR FEATURES SHALL BE IDENTIFIED BY WARNING CURBS AT LEAST 6" IN HEIGHT ABOVE THE WALK OR SIDEWALK SURFACE.

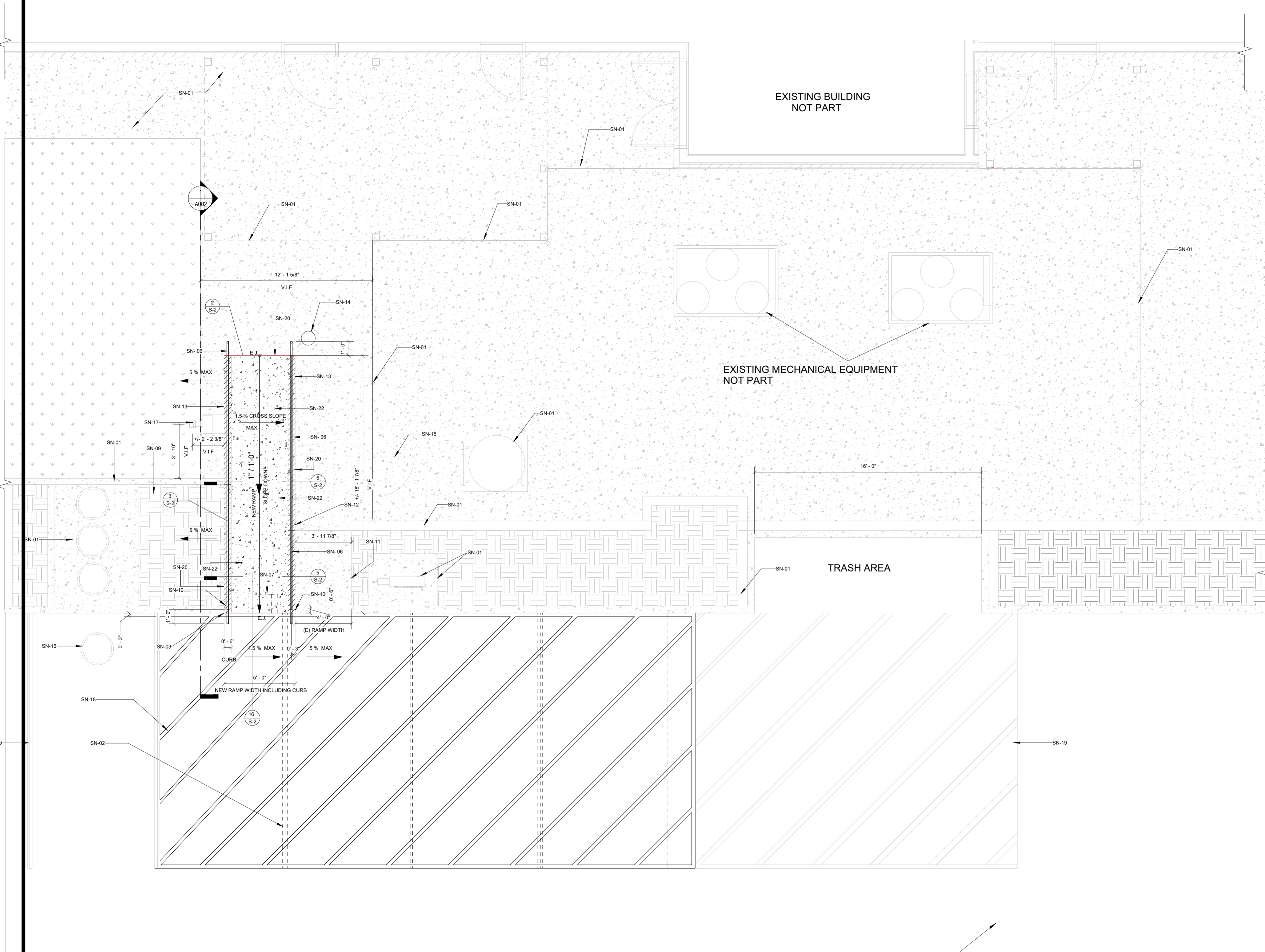
5- HANDRAIL GRIPPING SURFACES WITH A CIRCULAR CROSS SECTION SHALL HAVE AN OUTSIDE DIAMETER OF 1 1/4 INCHES MINIMUM AND 2 INCHES MAXIMUM.

6- HANDRAIL GRIPPING SURFACES AND ANY SURFACES ADJACENT TO THEM SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS AND SHALL HAVE ROUNDED EDGES.

WALKING SURFACES:

1- CHANGES IN LEVEL BETWEEN NEW AND EXISTING WALK/RAMPS SHALL NOT EXCEED 1/4" HIGH SHALL BE PERMITTED TO BE VERTICAL AND WITHOUT EDGE TREATMENT.

2- OPENINGS IN WALKING SURFACES SHALL NOT EXCEED AND ALLOW THE PASSAGE OF A SPHERE MORE THAN 1/2" DIAMETER. ENLARGED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL. LANDINGS/TRANSITION POINTS SLOPE NOT TO EXCEED 2% MAXIMUM IN



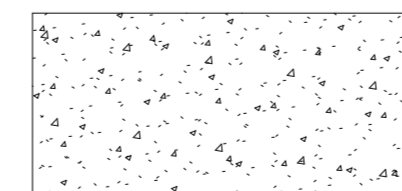
EXISTING BUILDING
NOT PART

EXISTING MECHANICAL EQUIPMENT
NOT PART

TRASH AREA

EXISTING PARKING LOT PAVEMENT & STRIPING
NOT PART

1 ENLARGED SITE PLAN
1/4" = 1'-0"



NEW 4" THICK MIN. CONCRETE SLAB AT: RAMPS, STAIR AND WALKWAY PAVINGS.



NEW 6" HIGH CONCRETE CURB.

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Design | Engineering | Construction

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PROJECT NAME LOCATION OWNER

RESTORATIVE TRANSFORMATION CENTER

3950 REYNOLDS RD. RIVERSIDE CA - 92503

RIVERSIDE UNIVERSITY HEALTH SYSTEM
BEHAVIORAL HEALTH



ENGINEER OF RECORD
REVIEWED BY SEAL / STAMP



THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER IS THE LEGAL REPRESENTATION THAT THIS ENGINEERING DRAWINGS, PLANS, AND SPECIFICATIONS WERE PREPARED EITHER BY THE PROFESSIONAL ENGINEER OR ANY OF ACC & ENGINEERING FIRM DESIGNERS WHO WERE UNDER THE RESPONSIBLE CHARGE (DIRECT CONTROL AND PERSONAL SUPERVISION) OF THE PROFESSIONAL ENGINEER. IT FURTHER CERTIFIES THAT THE WORK PERFORMED WAS DONE COMPETENTLY, MEETS THE PROFESSIONAL STANDARD OF CARE, AND IS IN ACCORDANCE WITH ACCEPTED STANDARDS OF PRACTICE.

SHEET NAME

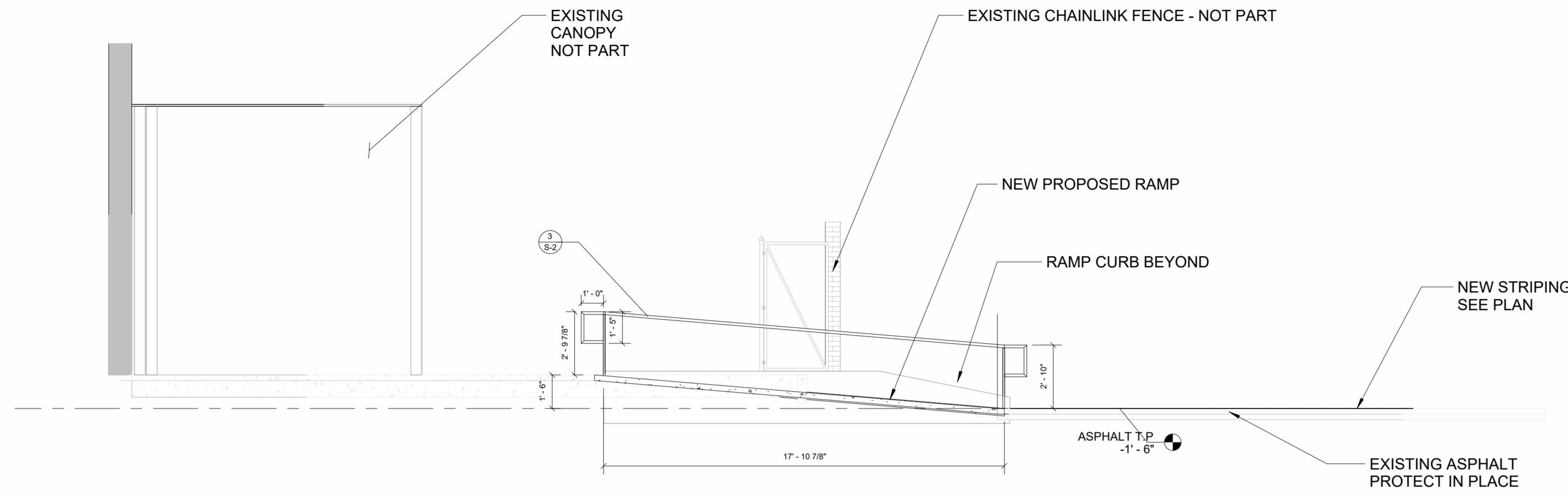
ENLARGED SITE PLAN

SHEET NUMBER

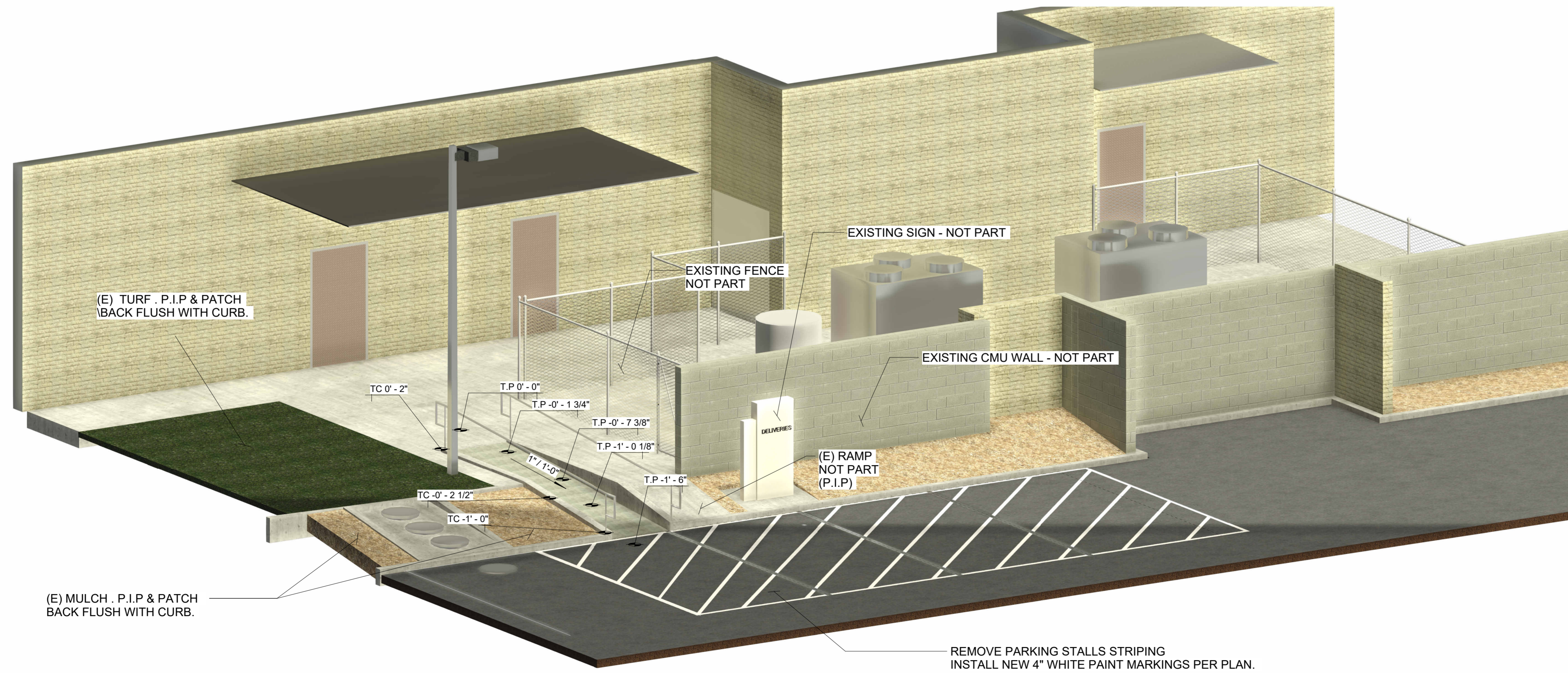
A001

RENOVATION NOTES

- 1- PROVIDE NEW MATERIALS TO MATCH EXISTING UNDISTURBED WORK FOR CLOSING OF OPENINGS, REPAIRS, AND RENOVATION. NEW FINISH MATERIALS AND SUBSTRATES TO MATCH EXISTING SHALL BE THE SAME TYPES, SIZES, QUALITIES, AND COLORS AS EXISTING ADJACENT MATERIAL. REPAIR ALL DAMAGED OR DEFACED FLOOR, WALL, AND
- 2- PROVIDE FLUSH TRANSITIONS AT ALL POINTS WHERE NEW CONCRETE MEETS EXISTING CONCRETE OR ASPHALT.
- 3- PROVIDE FLASHING AND SLOPE AWAY FROM CONCRETE AT HARDSCAPE & CONCRETE INTERSECTION.



1 Section 1
1/4" = 1'-0"



2 3D View 3

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SHEET NAME
SECTIONS & ELEVATIONS

SHEET NUMBER
A002

ABBREVIATIONS

AB.	ANCHOR BOLT
ADJ.	ADJACENT
ALLOW.	ALLOWABLE
ALT.	ALTERNATE
APPROX.	APPROXIMATE
BDRY.	BOUNDARY
BL.	BOTTOM LAYER
BOT.	BOTTOM
B.S.	BOTH SIDES
BT.	BENT
CLR.	CLEAR
COL.	COLUMN
CONC.	CONCRETE
CONT.	CONTINUOUS
CSK.	COUNTERSUNK
CJ.	CEILING JOIST
CB.	CEILING BEAM
DBL.	DOUBLE
DEPR.	DEPRESSION
DIA.	DIAMETER
DIM.	DIMENSION
DN.	DOWN
DS.	DOUBLE STIRRUPS
DWLS.	DOWELS
EA.	EACH
E.F.	EACH FACE
EQ.	EQUAL
EQUIP.	EQUIPMENT
E.W.	EACH WAY
E.	EXISTING
EXT.	EXTERIOR
FB.	FLOOR BEAM
FDN.	FOUNDATION
F.F.	FINISH FLOOR
FG.	FLOOR GIRDER
FJ.	FLOOR JOIST
FLG.	FLANGE
FLR.	FLOOR
F.O.S.	FACE OF STUD
F.P.	FULL PENETRATION
F.S.	FAR SIDE
FTG.	FOOTING
GA.	GAGE
GALV.	GALVANIZED
GLB.	GLUE LAMINATED BEAM
GR.	GRADE
HORIZ.	HORIZONTAL
H.S.	HIGH STRENGTH
HSS.	HOLLOW
	STRUCT. SECTION
I.D.	INSIDE DIAMETER
I.F.	INSIDE FACE
INT.	INTERIOR
JST.	JOIST
JT.	JOINT
K.P.	KING POST
LG.	LONG
LGTH.	LENGTH
LT.WT.	LIGHTWEIGHT
MECH.	MECHANICAL
MFR.	MANUFACTURER
N.I.C.	NOT IN CONTRACT
NLB.	NON-LOAD BEARING
NO.	NUMBER
N-S	NORTH-SOUTH
N.T.S.	NOT TO SCALE
O.D.	OUTSIDE DIAMETER
O.F.	OUTSIDE FACE
OPNG.	OPENING
OPP.	OPPOSITE
P.L.	PROPERTY LINE
P.P.	PARTIAL PENETRATION
QTY.	QUANTITY
REG.	REGULAR
REINF.	REINFORCEMENT
REQ'D	REQUIRED
RB.	ROOF BEAM
RC	REINFORCED CONC.
RR	ROOF RAFTER
SCHED.	SCHEDULE
SECT.	SECTION
SHTG.	SHEATHING
S.O.G.	SLAB ON GRADE
SPCG.	SPACING SQUARE
STAG.	STAGGERED
STD.	STANDARD
STIRR.	STIRRUPS
STL.	STEEL
STR.	STRAIGHT
STRUCT.	STRUCTURAL
SUPPT.	SUPPORT
SW	SHEAR WALL
SYM.	SYMMETRICAL
T & B	TOP AND BOTTOM
T.C.	TOP OF CURB
TEMP.	TEMPERATURE
T.S.	TOP OF STEEL
TOW.	TOP OF WALL
TOR.	TOP OF RAILING
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
VERT.	VERTICAL
V.I.F.	VERIFY IN FIELD
WWM	WELDED WIRE MESH

GENERAL:

1. THE CONTRACTOR SHALL VERIFY ALL CONTRACT DOCUMENTS, SITE DIMENSIONS, AND CONDITIONS PRIOR TO STARTING WORK AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR INCONSISTENCIES.
2. UNLESS SHOWN OR NOTED OTHERWISE, TYPICAL DETAILS AND GENERAL NOTES SHALL BE USED WHENEVER APPLICABLE.
3. UNLESS SPECIFICALLY DETAILED ON THESE DRAWINGS, CONTRACTOR SHALL FURNISH ADEQUATE SHORING, BRACING, ETC. AS REQUIRED TO SAFELY EXECUTE ALL WORK, AND SHALL BE FULLY RESPONSIBLE FOR SAME.
4. COPIES OF ALL INSPECTION REPORTS, TEST RESULTS, ETC. SHALL BE SENT TO THE ENGINEER.
5. ANY CONFLICT BETWEEN ARCHITECTURAL AND STRUCTURAL DRAWINGS MUST BE VERIFIED WITH ENGINEER BEFORE CONSTRUCTION CAN PROCEED.
6. DRAWINGS SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES.

CONCRETE:

1. CAST-IN-PLACE CONCRETE SHALL BE REGULAR WEIGHT STONE AGGREGATE CONCRETE. UNLESS NOTED OTHERWISE, MINIMUM 28-DAY COMPRESSIVE STRENGTH SHALL BE AS FOLLOWS:

A. FOOTINGS AND SLABS:	2500 psi.
B. GRADE BEAMS, AND PILES:	3000 psi.
C. DEEP FOUNDATIONS:	4000 psi.
D. ALL OTHER CONCRETE:	2500 psi.
2. CYLINDER TESTS SHALL BE MADE FOR ALL CONCRETE GREATER THAN 2500 PSI AND TEST RESULTS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. ALL CONCRETE GREATER THAN 2500 PSI SHALL BE SUBJECT TO CONTINUOUS INSPECTION IN CONFORMANCE WITH THE BLDG. CODE.
3. CEMENT SHALL CONFORM TO ASTM C150 TYPE II, UNLESS ALKALINE SOILS ARE PRESENT.
4. AGGREGATES SHALL CONFORM TO ASTM C33 WITH PROVEN SHRINKAGE CHARACTERISTICS OF LESS THAN 0.005.
5. READY MIX CONCRETE SHALL COMPLY WITH ASTM C94.
6. UNLESS NOTED OTHERWISE, ALL DETAILING, FABRICATION, AND ERECTION OF REINFORCING BARS SHALL CONFORM TO THE LATEST ADOPTED EDITION OF THE A.C.I. "MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES."
7. UNLESS NOTED OTHERWISE, ON THE DRAWINGS, MIN. CONCRETE PROTECTION FOR REINFORCING STEEL SHALL BE AS FOLLOWS:

A. CONCRETE CAST AGAINST EARTH: 3"	
B. FORMED CONCRETE EXPOSED TO EARTH OR WEATHER:	
I.#5 BARS AND SMALLER:	1-1/2"
II.#4 BARS LARGER THAN #5:	2"
C. FORMED CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH:	
I. SLABS AND WALLS:	3/4"
II. BEAMS AND COLUMNS:	1-1/2"
11. MINIMUM ANCHOR BOLT SIZE AND SPACING SHALL BE 5/8" DIA. AB @ 48" O.C., WITH 7" EMBEDMENT, AND 3"x3"x1/4" PLATE WASHERS. ANCHOR BOLTS SHALL BE LOCATED A MAXIMUM OF 12" AND 4 1/2" MINIMUM FROM THE END OF PLATE (CBC 1905.1.8)
12. REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR MISCELLANEOUS ITEMS TO BE CAST INTO CONCRETE AND MASONRY. DO NOT CUT OR DEFORM PRIMARY REINFORCING BARS WITHOUT CONSENT OF THE ENGINEER.
13. HOT DIP GALVANIZE OR PROVIDE 3" MINIMUM CONCRETE COVER AROUND ALL STRUCTURAL STEEL BELOW GRADE. STRUCTURAL STEEL EMBEDDED IN CONCRETE OR MASONRY SHALL BE UNPAINTED.
 - A. THE CONTRACTOR SHALL HAVE A MINIMUM OF 2 WORKING VIBRATORS PRIOR TO ANY CONCRETE PLACEMENT.
 - B. THE CONTRACTOR SHALL SUBMIT BOTH A COLD WEATHER AND A HOT WEATHER PROTECTION PLANS TO THE AOR AND SEOR FOR APPROVAL PRIOR TO THE PLACEMENT ANY CONCRETE.
 - C. WHEN CONCRETE IS ≥ 12" IN DEPTH, IT SHALL BE VIBRATED TO THE FULL DEPTH.

REINFORCING STEEL:

1. REINFORCING STEEL FOR TIES AND STIRRUPS SHALL BE ASTM A615 GRADE 60; ALL OTHER REINFORCING STEEL SHALL BE ASTM A615 GRADE 60, U.N.O.
2. ALL WELDED REINFORCEMENT SHALL COMPLY WITH ASTM A706, U.N.O.
3. WELDED WIRE FABRIC SHALL COMPLY WITH ASTM A185.
4. MIN. REINFORCING STEEL LAP SPLICE SHALL BE LARGER OF VALUES IN REINFORCEMENT SCHEDULE ON DETAIL 10 SHEET S-0.2, 40 BAR DIA., OR 1'-8".
5. REINFORCEMENT DEVELOPMENT LENGTH SHALL BE PER REINFORCEMENT SCHEDULE ON DETAIL 10 SHEET S-0.2
6. ALL REINFORCEMENT SHALL BE SECURELY TIED AND BRACED IN PLACE PRIOR TO POURING CONCRETE OR GROUTING MASONRY.
 - A. INSPECTION OF MATERIAL:
 1. ALL REINFORCING STEEL SHALL BE PROPERLY IDENTIFY BY THE DEPUTY INSPECTOR OR THE IOR AT THE TIME OF DELIVERY TO THE PROJECT SITE OR TO THE FABRICATORS SHOP.
 2. THE CONTRACTOR SHALL COORDINATE THE SCHEDULING OF THIS INSPECTION OF MATERIAL WITH THE DELIVERY OF MATERIAL (SITE OR FABRICATOR SHOP) OF A MINIMUM OF 24 HOURS IN ADVANCE.
 3. THE MATERIAL IS NOT TO BE UNLOADED UNTIL IT IS ACCEPTED
 - B. ACCEPTANCE OF MATERIAL:
 1. BOTH MILL CERTIFICATION(S) AND MILL TAG(S) MUST BE RECEIVED AT THE TIME OF DELIVERY OR INSPECTION
 2. ALL ACCEPTED MATERIAL CAN BE UNLOADED AND STORE IN THE PROPER MANNER.
 3. REJECTED MATERIAL:
 1. IF BOTH MILL CERTIFICATION(S) AND MILL TAG(S) ARE NOT RECEIVED AT THE TIME OF DELIVERY OR INSPECTION, THE MATERIAL IS REJECTED.
 2. ALL REJECTED MATERIAL SHALL NOT BE UNLOADED OR STORE ON THE PROJECT SITE.
 3. IF THE MATERIAL IS REJECTED, THE MATERIAL MAY BE TESTED AT THE CONTRACTORS EXPENSE. THE TESTING WILL BE DONE AT A RIVERSIDE COUNTY'S APPROVED FIRM ACCORDING TO ASTM 615 OR ASTM 706.

FOUNDATION:

1. REFER TO PLANS, DETAILS FOR FOUNDATIONS SIZES AND REINFORCEMENT.
2. CONTRACTOR IS RESPONSIBLE TO REVIEW AND COMPLY WITH ALL RECOMMENDATIONS FOUND IN SOILS REPORT FOR THIS PROJECT.
3. IF ADVERSE SOIL CONDITIONS ARE ENCOUNTERED, A SOILS INVESTIGATION REPORT MAY BE REQUIRED UNLESS ALREADY PROVIDED FOR THIS PROJECT.
4. MINIMUM FOOTING REINFORCEMENT SHALL BE (2) #4 BAR TOP AND BOTTOM (CBC 1905.1.6)
5. FOUNDATION DESIGN IS BASED ON RECOMMENDATIONS CONTAINED IN SOILS REPORT. IF SOILS REPORT IS NOT AVAILABLE FOR THIS PROJECT FOUNDATION DESIGN SHALL BE IN ACCORDANCE WITH CALIFORNIA BUILDING CODE TABLE 1806.2 AND AS FOLLOWS U.N.O. ON PLANS. (RECOMMENDATIONS IN SOILS REPORT SHALL GOVERN OVER TABLE BELOW):

A. SOIL TYPE: PER SOILS REPORT. IF SOILS REPORT IS NOT AVAILABLE, ASSUME EXPANSIVE SOILS.	
B. MAXIMUM VERTICAL BEARING:	1,500 psf
C. MAXIMUM LATERAL BEARING:	100 ps/ft below natural grade
D. COEFFICIENT OF FRICTION:	0.25
6. MINIMUM FOOTING DIMENSIONS SHALL BE AS FOLLOWS U.N.O. ON PLANS. DRAWINGS & CALCULATION REPORT SHALL GOVERN OVER BELOW):

A. CONTINUOUS FOOTINGS WIDTH:	18"
B. CONTINUOUS FOOTING EMBEDMENT:	24"
C. PAD FOOTING WIDTH:	24"
D. PAD FOOTING EMBEDMENT:	24"

7. CONTRACTOR IS RESPONSIBLE TO OBTAIN MINIMUM 95% COMPACTION U.N.O. IN SOILS REPORT.
8. NOTIFY ENGINEER IF SUPERIMPOSED LOADING FROM FOUNDATION, ETC. EXISTS ON ADJACENT PROPERTY WITHIN A DISTANCE DEFINED BY A 45 DEGREE IMAGINARY LINE PROJECTED UPWARD FROM TOP OF FOOTING.
9. FOOTING DEPTHS SHOWN ARE A MINIMUM AND MAY BE INCREASED BY CONTRACTOR OR PER GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
10. GEOTECHNICAL ENGINEER SHALL VERIFY IN WRITING TO THE ENGINEER THAT THE SITE GRADING WORK COMPLIES WITH ALL OF THE RECOMMENDATIONS AND CONCLUSIONS OF THE GEOTECHNICAL REPORT, IF SUCH REPORT IS PRESENT.
11. THE FOOTING EXCAVATIONS SHALL BE KEPT FREE FROM LOOSE MATERIAL AND STANDING WATER AND SHALL BE NEAT AND TRUE TO LINE BEFORE ANY CONCRETE IS PLACED. EXCAVATIONS SHALL BE CHECKED AND APPROVED BY A QUALIFIED GEOTECHNICAL ENGINEER TO INSURE COMPLIANCE WITH THE REQUIREMENTS OF THE GEOTECHNICAL REPORT, IF SUCH REPORT IS PROVIDED.
12. ALL ABANDONED FOOTINGS, UTILITIES, ETC. THAT INTERFERE WITH NEW CONSTRUCTION SHALL BE REMOVED.
13. DOWELS BETWEEN FOOTING AND WALLS SHALL BE THE SAME GRADE, SIZE, AND SPACING AS VERTICAL REINFORCEMENT, U.N.O.

STRUCTURAL STEEL:

1. STRUCTURAL STEEL SHALL CONFORM TO A992, GRADE 50. STRUCTURAL STEEL PIPE SHALL BE ASTM A53 B. STRUCTURAL STEEL SQUARE AND/OR RECTANGULAR TUBING SHALL BE GRADE B, CONFORMING TO ASTM A500. STEEL PLATES SHALL CONFORM TO ASTM A36.
2. FABRICATION AND ERECTION SHALL BE IN COMPLIANCE WITH CURRENT AISC SPECIFICATIONS FOR BUILDINGS. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION, INCLUDING THE COMMENTARY AND SUPPLEMENTS.
3. STRUCTURAL STEEL FABRICATOR'S QUALIFICATION: STRUCTURAL STEEL FABRICATOR MUST BE ON THE CITY'S PRE APPROVED LIST OR PARTICIPATE IN THE AISC CERTIFICATION PROGRAM DESCRIBED IN AISC CERTIFIED PLANT. CATAGORY STANDARD.
4. MATERIALS SHALL CONFORM TO THE FOLLOWING STANDARDS, UNLESS NOTED OTHERWISE ON DRAWINGS:

A. W-SHAPES - ASTM A992, FY=50 KSI
B. PLATES FOR W-SHAPE MEMBERS AND STRUCTURAL TUBES - ASTM A572 GR 50
C. OTHER ROLLED SECTIONS (ANGLES, CHANNELS, PLATES, ETC.) - ASTM A36, FY=36 KSI
D. WHERE NOTED 50 KSI ON DRAWINGS - ASTM A572, FY=50 KSI
E. STEEL PIPE - ASTM A53, TYPE E, GR. B, FY=35KSI
F. STRUCTURAL ROUND (HSS) - ASTM A500, GR. C, FY=46KSI
G. STRUCTURAL TUBES (HSS) - ASTM A500, GR. C, FY=50KSI
H. STRUCTURAL BOLTS U.N.O. - ASTM A325 (TYPE N CONNECTION)
I. ANCHOR RODS/BOLTS - ASTM F1554, GRADE 36
J. SHEET STEEL - ASTM A1011 GR36
K. WELDING RODS - E-70XX SERIES LOW HYDROGEN
5. ANCHOR RODS
 - A. PROVIDE HEADED OR THREADED AND NUTTED ANCHOR RODS. HOOKED ANCHOR RODS ARE NOT ACCEPTABLE.
 - B. FOR THREADED ANCHOR RODS, PROVIDE A SINGLE HEAVY HEX NUT. TACK WELD THE BOTTOM OF THE NUT TO THE ROD AT THE EMBEDDED END, UNLESS NOTED OTHERWISE. THE TOP OF THE EMBEDDED HEAD OR NUT IS THE BASIS FOR MEASUREMENT OF EMBEDMENT. PROVIDE A RIGID TEMPORARY STEEL TEMPLATE TO LOCATE ANCHOR RODS DURING CONCRETE PLACEMENT.
 - C. DO NOT HEAT OR BEND ANCHOR RODS.
6. HEADED ANCHOR STUDS (HAS)/SHEAR CONNECTOR STUDS
 - A. NELSON HEADED STUDS TYPE-B ICC-ES EVALUATION REPORT #ESR-2856 (FY=65 KSI) OR APPROVED EQUAL. STUDS SHALL BE AUTOMATICALLY END WELDED WITH SUITABLE STUD WELDING EQUIPMENT.
 - B. USE 3/4" MINIMUM DIAMETER STUDS. STUDS SHALL BE AT LEAST 3" LONG, AND SHALL EXTEND AT LEAST 1 1/2" ABOVE THE TOP FLUTE OF THE ADJACENT METAL DECK. STUDS SHALL BE EQUALLY SPACED ACROSS BEAM OR SPACED AS SHOWN ON DRAWINGS. STUDS MAY BE HAMMER TESTED BY BENDING 15 DEGREES FROM THE VERTICAL.
 - C. WELDING AND INSPECTION SHALL BE IN ACCORDANCE WITH AWS D1.1.
 - D. CONTRACTOR TO VERIFY SOUND WELDS BY 100% ACOUSTICAL TESTING. CONTRACTOR TO REPLACE STUDS OR REPAIR DEFICIENT WELDS IN ACCORDANCE WITH AWS D1.1.
7. DEFORMED BAR ANCHORS SHALL BE NELSON DEFORMED ANCHORS ICC-ES EVALUATION REPORT ESR-2907 OR APPROVED EQUAL. ANCHORS SHALL BE AUTOMATICALLY END WELDED WITH SUITABLE NELSON STUD WELDING EQUIPMENT. ALL WELDS SHALL BE MADE IN ACCORDANCE WITH RECOMMENDATIONS OF THE NELSON STUD WELDING COMPANY.
8. FINISHES
 - A. STEEL COMPLETELY ENCASED IN CONCRETE SHALL NOT BE PAINTED AND AT THE TIME THE CONCRETE IS PLACED, SHALL BE CLEAN AND FREE FROM ANY SUBSTANCE THAT MIGHT IMPAIR THE BOND BETWEEN THE STEEL AND THE CONCRETE. IF EXPANSION ANCHORS ARE USED IN MASONRY, ALL ANCHORS SHALL BE 3/4 INCH MIN. INSTALL IN SOLID GROUTED CELLS AND SUBMIT PRODUCT DATA SHEETS AND ICC-ES EVALUATION REPORT FOR APPROVAL.
 - B. SUBMIT SHOP DRAWINGS AND INCLUDE THE STRUCTURAL CALCULATIONS PER REQUIREMENTS FOR DEFERRED SUBMITTALS.
 - C. WELDING SHALL CONFORM TO THE FOLLOWING AMERICAN WELDING SOCIETY (AWS) STRUCTURAL WELDING CODES AS APPLICABLE.

I)AWS D1.1 STRUCTURAL WELDING CODE-STEEL
II)AWS D1.3 STRUCTURAL WELDING CODE-SHEET STEEL
III)AWS D1.4 STRUCTURAL WELDING CODE-REINFG STEEL
III)AWS D1.6 STRUCTURAL WELDING CODE-STAINLESS STEEL
V)AWS D1.7 GUIDE FOR STRENGTHENING AND REPAIRING EXISTING STRUCTURES
VI)AWS D1.8 STRUCTURAL WELDING CODE SEISMIC SUPPLEMENT
 - B. WELDERS SHALL HOLD VALID CERTIFICATES ISSUED BY AN ACCEPTED TESTING AGENCY.
 - C. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE USE OF SHOP AND FIELD WELDS. SPLICES OF STEEL MEMBERS NOT SHOWN ON THE DRAWINGS SHALL BE APPROVED BY THE ENGINEER PRIOR TO THE START OF WORK.
 - D. GRIND SMOOTH ALL EXPOSED WELDS AND CUT EDGES. FINAL APPROVAL IS BY THE ARCHITECT.
 - E. WELDING SHALL BE BY EITHER THE SHIELDED METAL ARC WELDING (SMAW) METHOD OR SHALL CONFORM TO AWS CODE FOR ARC AND GAS WELDING CONSTRUCTION.
 - I)MECHANICAL PROPERTIES FOR THE IN-PLACE WELD (FILLER MATERIAL) SHALL HAVE CHARPY V-NOTCH IMPACT TOUGHNESS OF AT LEAST 20 FOOT-POUNDS AT 0 DEGREES.
 - II)FIELD WELDS MAY NOT BE APPLIED OVER SHOP WELDS UNLESS A MANUFACTURER APPROVED COMPATIBLE ELECTRODE IS USED IN BOTH THE SHOP AND FIELD.
 - III)CONTRACTOR SHALL BE RESPONSIBLE FOR THE JOINT PREPARATION AND WELDING PROCEDURES, BUT NOT LIMITED TO: REQUIRED ROOT OPENINGS, ROOT FACE DIMENSIONS, GROOVE ANGLES, BACKING BARS, COPES, SURFACE ROUGHNESS VALUES, AND TAPERS AND TRANSITIONS OF UNEQUAL PARTS.
 - G. PROVIDE MINIMUM WELD SIZES PER AISC SPECIFICATIONS FOR GENERAL PROVISIONS FOR CONNECTIONS, JOINTS AND FASTENERS UNLESS SHOWN OTHERWISE ON DRAWINGS.

9. NONDESTRUCTIVE TESTING (NDT):

- A. VISUAL INSPECTION WILL BE PERFORMED ON ALL WELDING PRIOR TO COMPLETION OR PRIOR TO SHIPMENT OF SHOP WELDING.
 - B. PERIODIC WELDING INSPECTIONS REQUIRE THAT THE MATERIALS, WELDING PROCEDURES AND QUALIFICATIONS OF WELDERS ARE VERIFIED PRIOR TO THE START OF WORK; PERIODIC INSPECTIONS ARE MADE DURING THE WORK; AND ALL WELDS RECEIVE A FINAL VISUAL INSPECTION.
 - C. MAGNETIC PARTICLE TESTING
 - I)TEST ENDS OF FULL PENETRATION WELDS AFTER REMOVING RUN-OFF TABS AND GRINDING SMOOTH, AND PRIOR TO ULTRASONIC TESTING.
 - II)TEST FILLET WELDS IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
 - D. ULTRASONIC TESTING
 - I)TEST BASE METAL THICKER THAN 1.5 INCHES IN THICKNESS AND CORNER JOINTS FOR DISCONTINUITIES BEHIND AND ADJACENT TO WELDS AFTER JOINT COMPLETION.
 - II)TEST ENTIRE LENGTH OF FULL PENETRATION WELDS.
10. BOLTING:
- A. MANUFACTURER CERTIFICATIONS OF BOLTING FOR FASTENER COMPONENTS USED IN THE FASTENER ASSEMBLIES SHALL BE MADE AVAILABLE TO THE ENGINEER OF RECORD AND INSPECTOR PRIOR TO ASSEMBLY OR ERECTION OF STRUCTURAL STEEL.
 - B. THE USE OF FULL TENSION TORQUE CONTROL BOLT ASSEMBLIES IN SNUG TIGHT BEARING CONNECTIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.

HOLD HARMLESS / INDEMNIFICATION CLAUSES

I. SUBJECT: EXCLUDING CONSTRUCTION REVIEW

IT IS AGREED THAT THE PROFESSIONAL SERVICES OF ACC & ENGINEERING DO NOT EXTEND TO OR INCLUDE THE REVIEW OR SITE OBSERVATION OF THE CONTRACTOR'S WORK OR PERFORMANCE. IT IS FURTHER AGREED THAT THE OWNER WILL DEFEND, INDEMNIFY AND HOLD HARMLESS THE ENGINEER FROM ANY CLAIM OR SUIT OR SUIT WHATSOEVER, INCLUDING BUT NOT LIMITED TO ALL PAYMENTS, EXPENSES OR COSTS INVOLVED, ARISING FROM OR ALLEGED TO HAVE ARISEN FROM THE CONTRACTOR'S PERFORMANCE OR FAILURE OF THE CONTRACTOR'S WORK TO CONFORM TO THE DESIGN INTENT AND THE CONTRACT DOCUMENTS. ACC & ENGINEERING AGREE TO BE RESPONSIBLE FOR HIS OWN OR HIS EMPLOYEE'S NEGLIGENT ACTS, ERRORS OR OMISSIONS.

II. SUBJECT: REMODELING AND REHABILITATION

IN AS MUCH AS THE REMODELING AND / OR REHABILITATION OF AN EXISTING BUILDING REQUIRES THAT CERTAIN ASSUMPTIONS BE MADE REGARDING EXISTING CONDITIONS AND BECAUSE SOME OF THESE ASSUMPTIONS CANNOT BE VERIFIED WITHOUT EXPENDING GREAT SUMS OF ADDITIONAL MONEY, OR DESTROYING OTHERWISE ADEQUATE OR SERVICEABLE PORTIONS OF THE BUILDING, THE OWNER AGREES THAT, EXCEPT FOR NEGLIGENCE ON THE PART OF THE ENGINEER, THE OWNER WILL HOLD HARMLESS AND INDEMNIFY THE ENGINEER FROM AND AGAINST ANY AND ALL CLAIMS DAMAGES, AWARDS, AND COSTS OF DEFENSE ARISING OUT OF THE PROFESSIONAL SERVICES PROVIDED UNDER THIS AGREEMENT.

III. SUBJECT: OWNERSHIP OF DOCUMENTS

THE OWNER ACKNOWLEDGES THAT THE PLANS AND SPECIFICATIONS ARE INSTRUMENTS OF PROFESSIONAL SERVICES. NEVERTHELESS, THE PLANS AND SPECIFICATIONS PREPARED UNDER THIS AGREEMENT SHALL BECOME THE PROPERTY OF THE OWNER.

THE OWNER AGREES TO HOLD HARMLESS AND INDEMNIFY THE ENGINEER AGAINST ALL DAMAGES, CLAIMS AND LOSSES ARISING OUT OF ANY REUSE OF THE PLANS AND AGAINST ALL DAMAGES, CLAIMS AND LOSSES ARISING OUT OF ANY REUSE OF THE PLANS AND SPECIFICATIONS WITHOUT THE AUTHORIZATION OF ACC & ENGINEERING.

STRUCTURAL OBSERVATION PROGRAM
AND DESIGNATION OF THE
STRUCTURAL OBSERVER

PROJECT ADDRESS: PERMIT APPL. NO:

DESCRIPTION OF WORK

STRUCTURAL OBSERVATION
ONLY CHECKED ITEMS ARE REQUIRED

ACC & ENGINEERING TO BE RESPONSIBLE FOR THE STRUCTURAL OBSERVATION BY DESIGNATION THE FOLLOWING EMPLOYEE AS THE OBSERVER FOR THIS PROJECT.

NAME: MOSTAFA BAYOUMI PHONE: 095-903-2284 CALIFORNIA REGISTRATION : C94270

FOUNDATION	WALL	FRAME	DIAPHRAM
<input checked="" type="checkbox"/> FOOTING, STEM WALLS, PIERS	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> STEEL MOMENT FRAME	<input type="checkbox"/> CONCRETE
<input type="checkbox"/> MAR FOUNDATION	<input type="checkbox"/> MASONRY	<input type="checkbox"/> STEEL BRACED FRAME	<input type="checkbox"/> STEEL DECK
<input type="checkbox"/> CAISSON, PILES, GRADE BEAMS	<input type="checkbox"/> WOOD	<input type="checkbox"/> CONCRETE MOMENT FRAME	<input type="checkbox"/> WOOD
<input type="checkbox"/> STEPPD/RETAIN'G FOUNDATION, HILLSIDE SPECIAL ANCHORS	<input type="checkbox"/> OTHERS	<input type="checkbox"/> MASONRY WALL FRAME	<input type="checkbox"/> OTHERS:
<input type="checkbox"/> OTHERS:		<input type="checkbox"/> OTHERS:	

DECLARATION BY OWNER
I, THE OWNER OF THE PROJECT, DECLARE THAT THE ABOVE LISTED FIRM HIRED BY ME TO BE THE STRUCTURAL OBSERVER

SIGNATURE DATE

DECLARATION BY THE DESIGNER/MAKER OF THIS PLANS
(REQUIRED IF THE STRUCTURAL OBSERVER IS DIFFERENT FROM THE ARCHITECT OR THE ENGINEER OF RECORD.)

I, BEN HAMED ON BEHALF OF ACC & ENGINEERING DECLARE THAT THE ABOVE LISTED EMPLOYEE (ARCHITECT, ENGINEER) IS DESIGNATED BY ME TO BE RESPONSIBLE FOR THE STRUCTURAL OBSERVATION

SIGNATURE DATE

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Ben Hamed, ASSOC. AIA
Project Designer
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768 N Ethan way, Anaheim
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Ben@accandengineering.com
www.accandengineering.com

PROJECT NAME LOCATION OWNER

RESTORATIVE TRANSFORMATION CENTER
3950 REYNOLDS RD. RIVERSIDE CA - 92503
RIVERSIDE UNIVERSITY HEALTH SYSTEM
BEHAVIORAL HEALTH



ENGINEER OF RECORD
REVIEWED BY SEAL / STAMP



THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER IS THE LEGAL REPRESENTATION THAT THIS ENGINEERING DRAWINGS, PLANS, AND SPECIFICATIONS WERE PREPARED EITHER BY THE PROFESSIONAL ENGINEER OR ANY OF ACC & ENGINEERING FIRM DESIGNERS WHO WERE UNDER THE RESPONSIBLE CHARGE (DIRECT CONTROL AND PERSONAL SUPERVISION) OF THE PROFESSIONAL ENGINEER. IT FURTHER CERTIFIES THAT THE WORK PERFORMED WAS DONE COMPETENTLY, MEETS THE PROFESSIONAL STANDARD OF CARE, AND IS IN ACCORDANCE WITH ACCEPTED STANDARDS OF PRACTICE.

SHEET NAME
SPECIFICATIONS & NOTES

SHEET NUMBER
S-1

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SHEET NAME
CONSTRUCTION
DETAILS

SHEET NUMBER
S-2

METAL

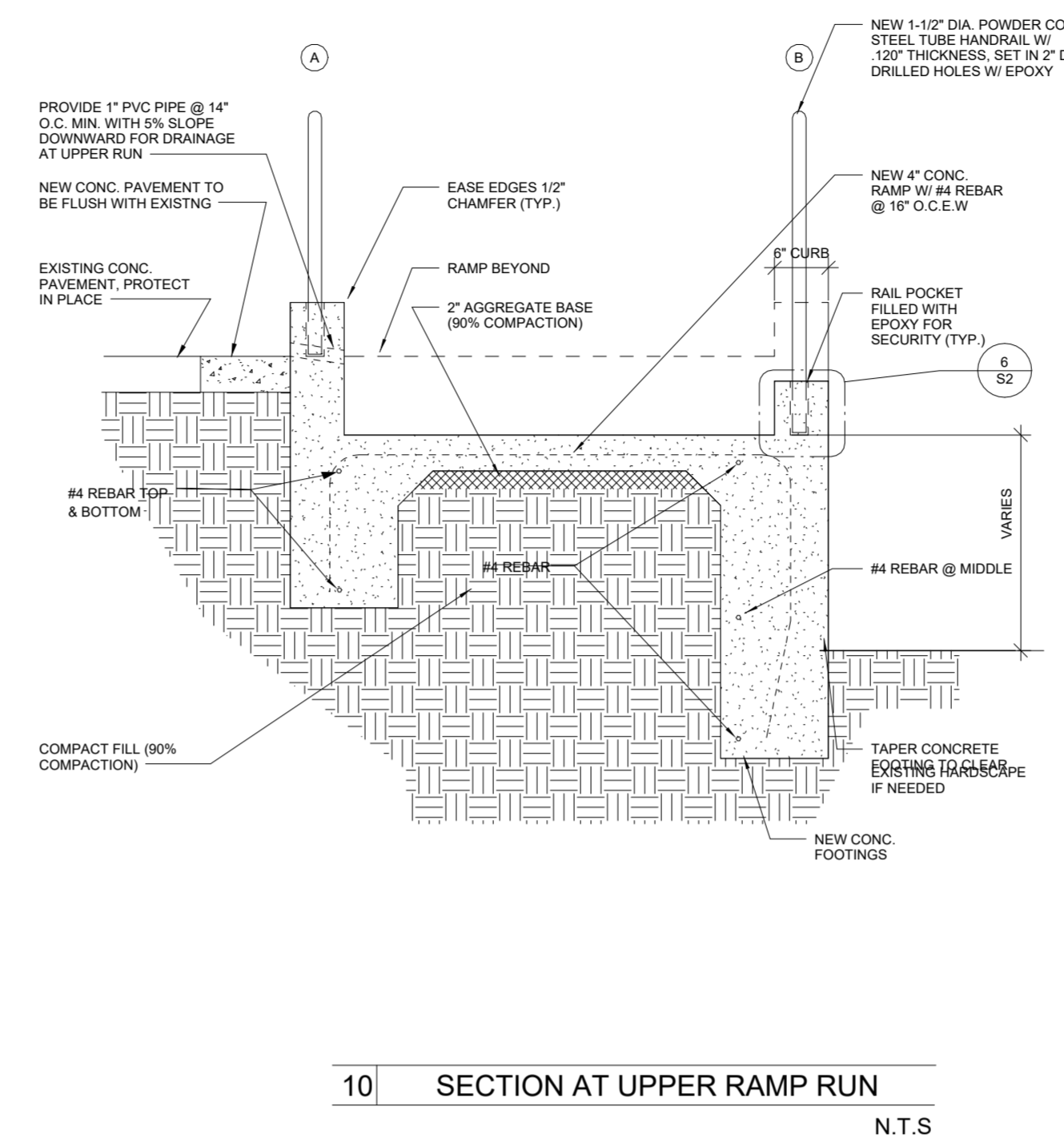
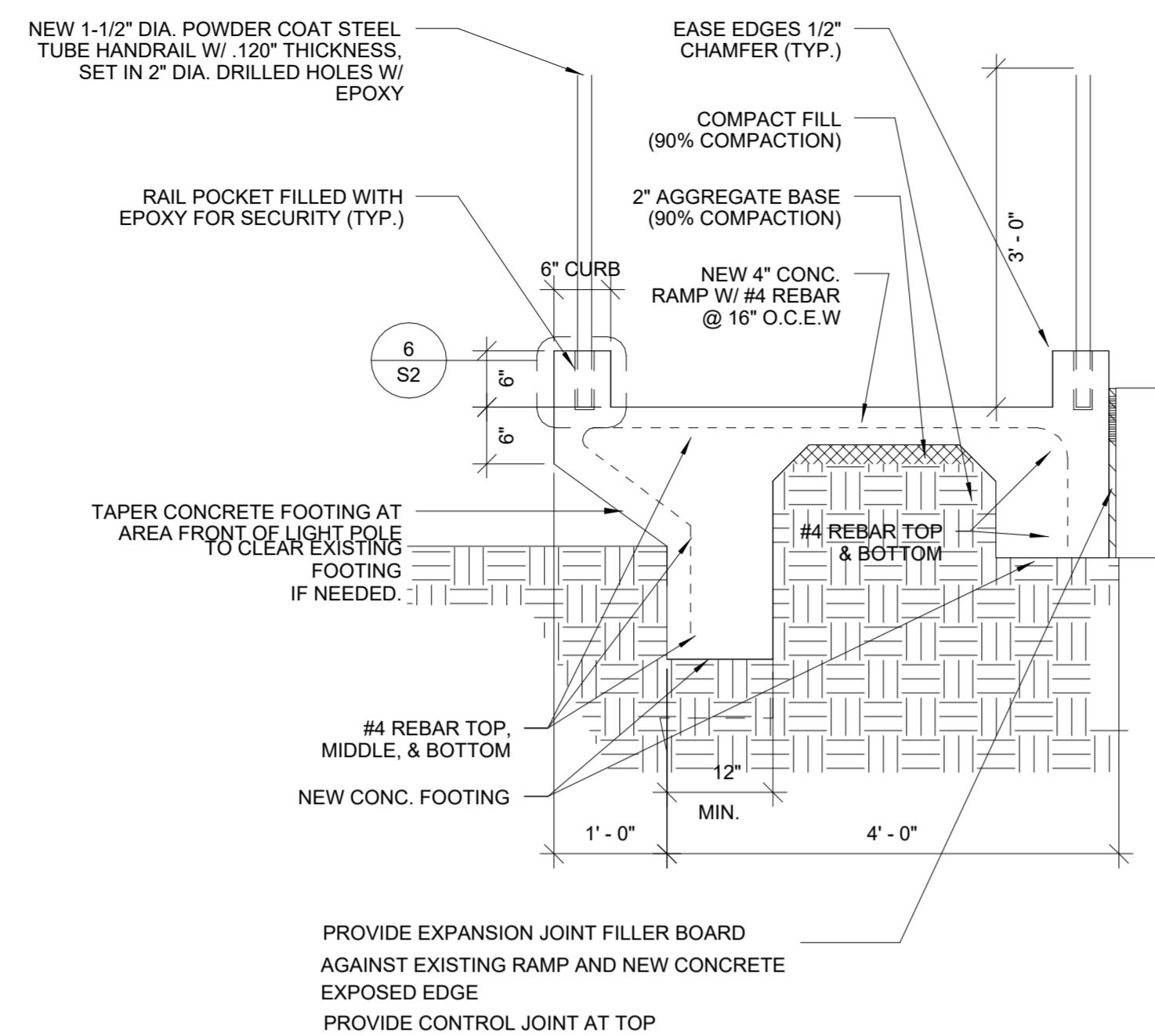
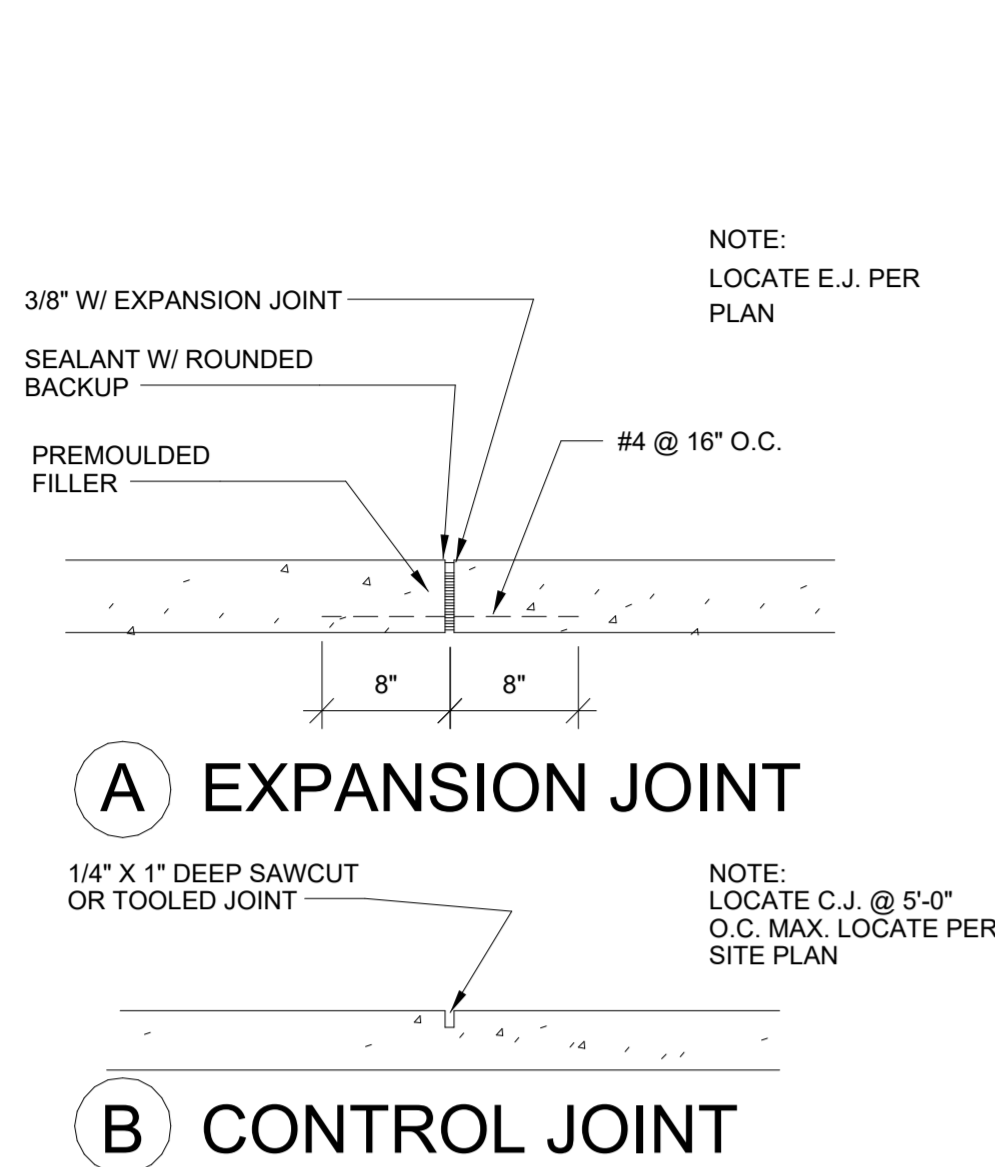
- CONTRACTOR TO FURNISH ALL STRUCTURAL, MISCELLANEOUS AND CONNECTOR STEEL AS NOTED ON DRAWINGS.
- STRUCTURAL STEEL SHAPES: ASTM A-36, FABRICATION AND ERECTION TO COMPLY WITH THE LATEST EDITION AISC "MANUAL OF STEEL CONSTRUCTION"
- STEEL TUBING: ASTM A-500, GRADE "B", 46 KSI.
- STEEL PIPE: ASTM A-53, GRADE "B", 35 KSI.
- BOLTS, NUTS, AND WASHER: ASTM A-307, GRADE "A".
- PLATES AND BARS: ASTM A-283, GRADE "C", CARBON STEEL PLATE.
- WROUGHT IRON: ASTM A-223.
- PAINTING: SHOP PRIME ALL SHOP FABRICATED STEEL. TOUCH UP PRIMER AFTER ERECTION.

CONCRETE

- CONCRETE SHALL BE 2,500 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE.
- CONCRETE: 1 PART CEMENT, 2 1/2 PARTS SAND, AND 3 1/2 PARTS 3/4" DIA. ROCK. TOTAL WATER SHALL NOT EXCEED 7 GALLONS PER SACK OF CEMENT.
- GROUT: 1 PART CEMENT, 3 PARTS SAND, 2 PARTS 3/8" DIA. MAXIMUM PEA GRAVEL OR APPROVED EQUAL.
- CEMENT SHALL BE TYPE V PORTLAND "S" PER ASTM C-150.

REINFORCE STEEL

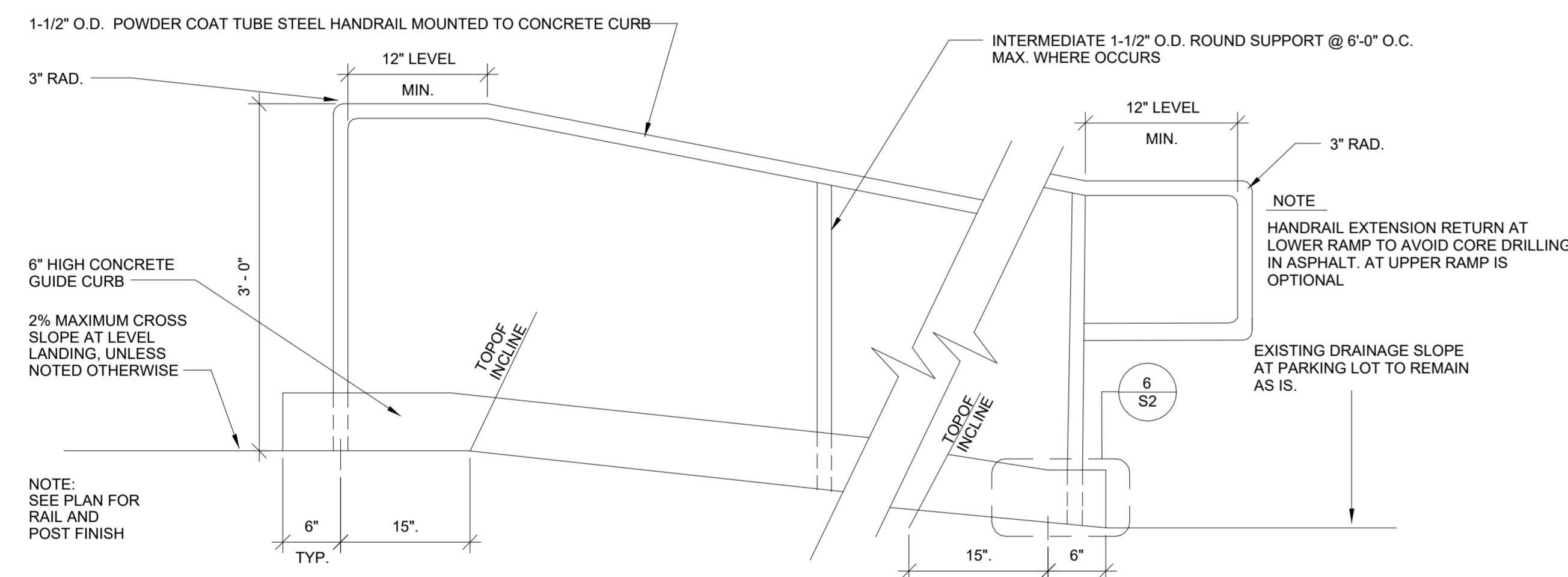
- REINFORCED STEEL SHALL CONFORM TO ASTM A615, GRADE 40 FOR SIZES #3 AND #4 GRADE 60 FOR SIZES #5 AND LARGER.
- WELDED HANDRAIL EXTENSION SHALL CONFORM TO THE LATEST REVISED ASTM A185. SMOOTH WIRE EDGES SHALL CONFORM TO ASTM A55 YIELD STRENGTH 60 KSI.
- ALL BARS IN CONCRETE SHALL BE LAPPED A MINIMUM OF 36 BAR DIAMETERS (2'-0" MIN.) AT ALL SPLICES UNLESS NOTED OTHERWISE.
- SPLICES OF HORIZONTAL REBAR IN FOOTINGS SHALL BE STAGGERED 4'-0" MINIMUM. ALL BENDING OF REINFORCING STEEL SHALL CONFORM TO THE LATEST EDITION OF CALIFORNIA BUILDING CODE.



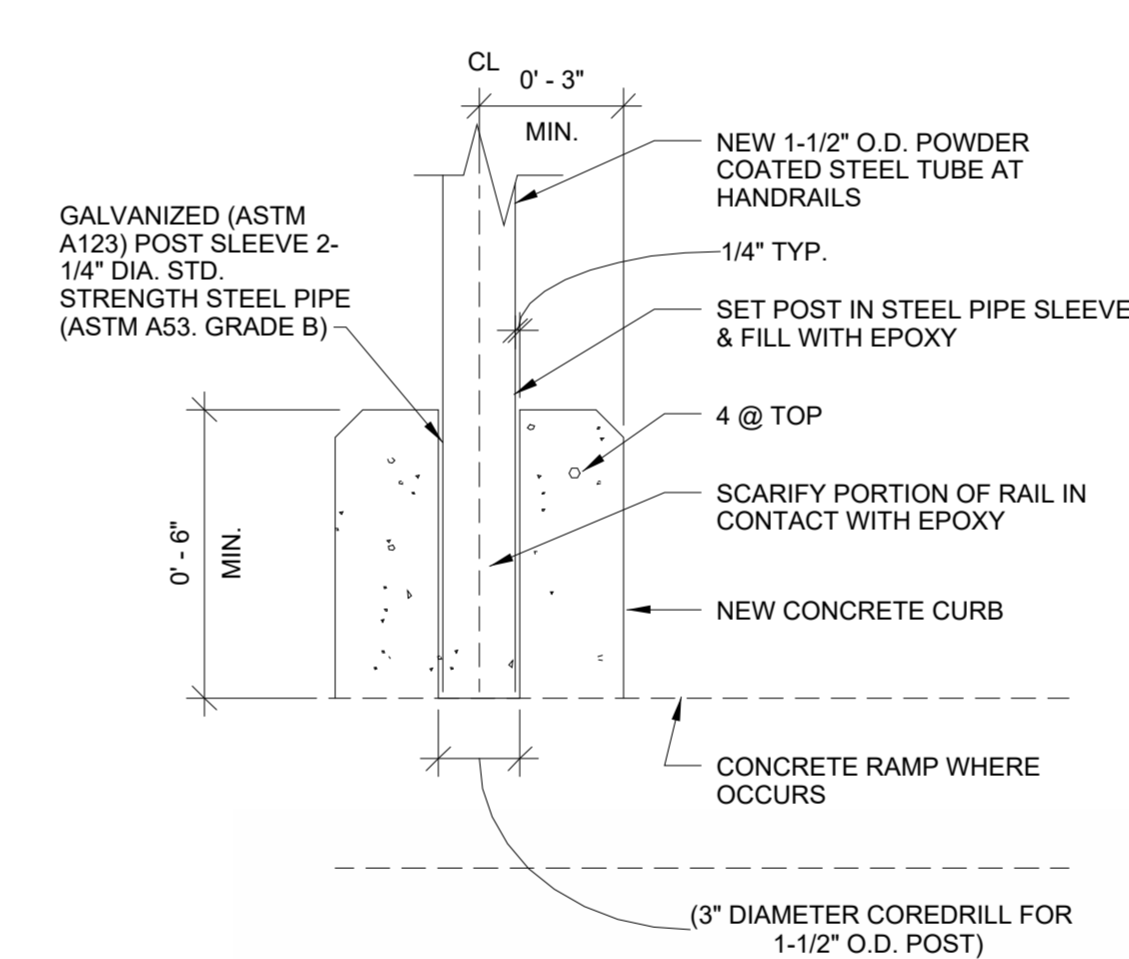
2 CONCRETE JOINTS
N.T.S.

5 RAMP SECTION THRU SURFACE
N.T.S.

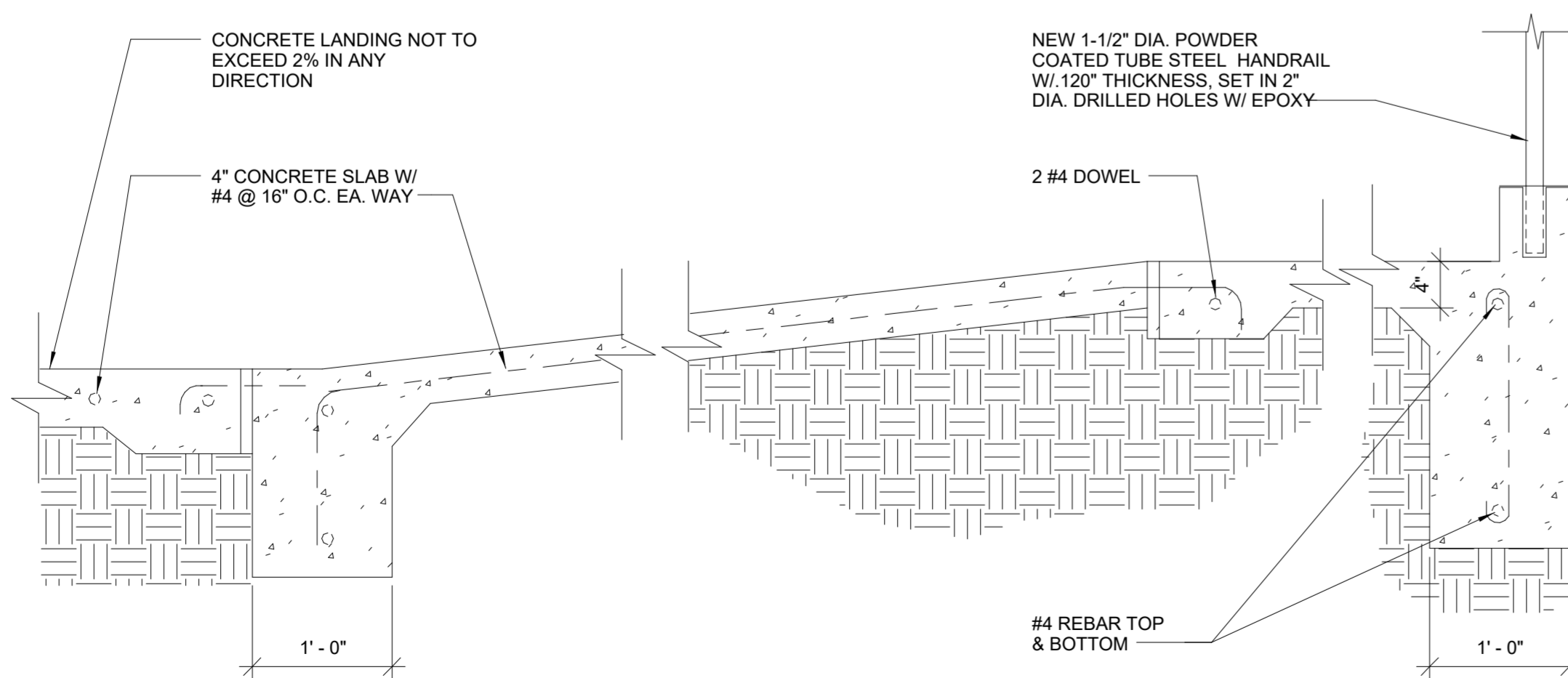
10 SECTION AT UPPER RAMP RUN
N.T.S.



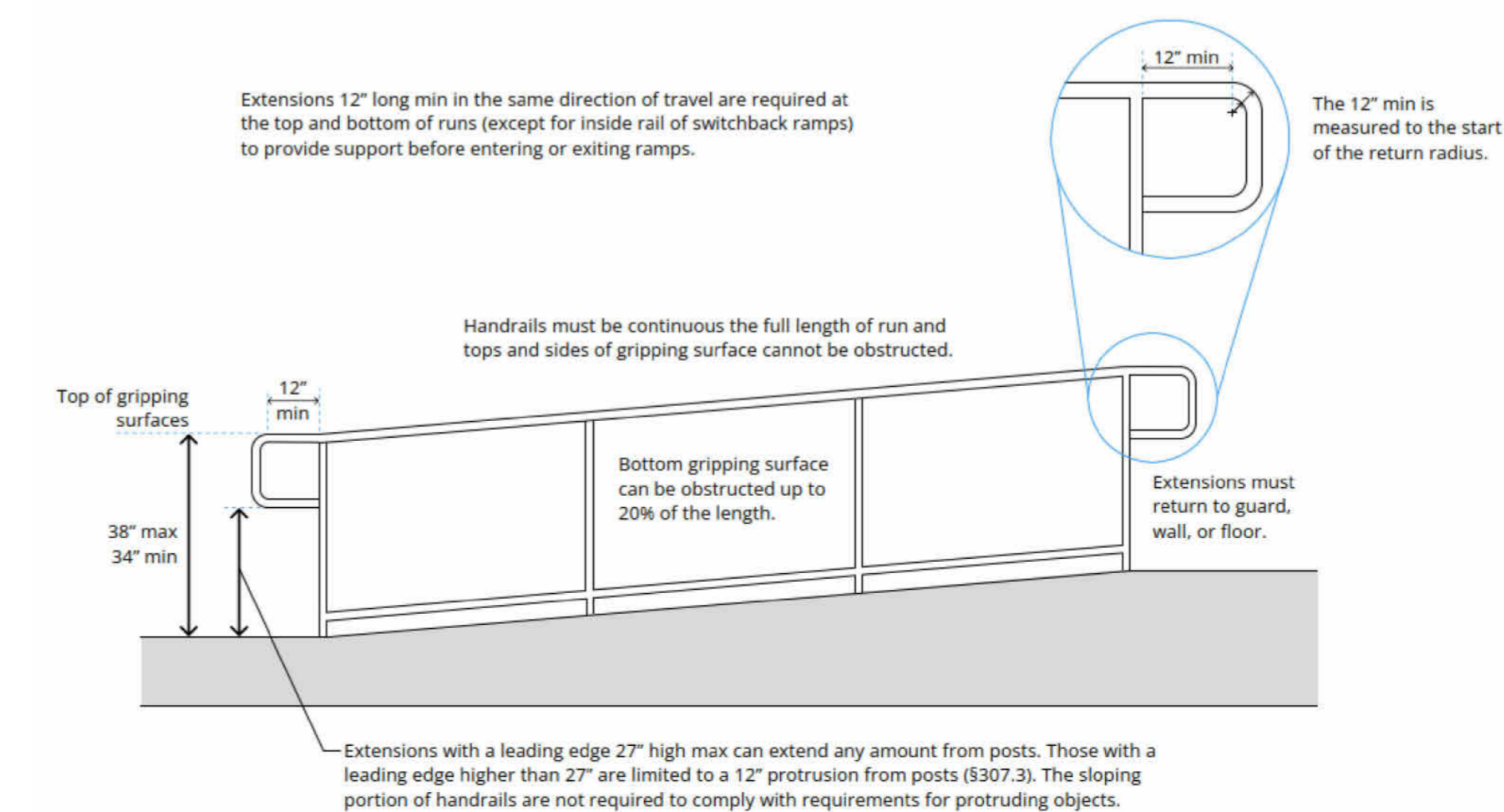
3 HANDRAIL AT RAMP
N.T.S.



6 COREDRILL @ CURB
SCALE: 3" = 1'-0"



16 RAMP FOUNDATION AT SECTION
N.T.S.



HANDRAILS AT RAMP
SCALE: 3" = 1'-0"

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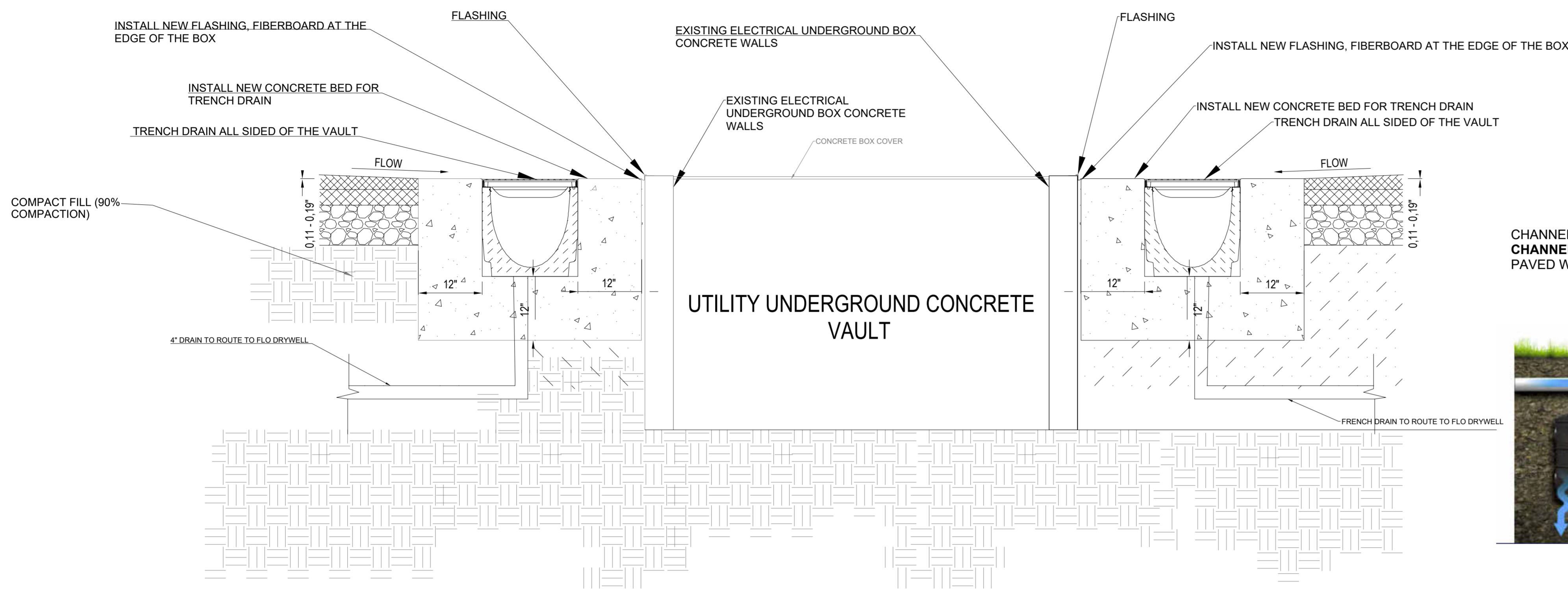
ENGINEER OF RECORD
REVIEWED BY SEAL / STAMP



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SHEET NAME
CONSTRUCTION
DETAILS

SHEET NUMBER
S-3

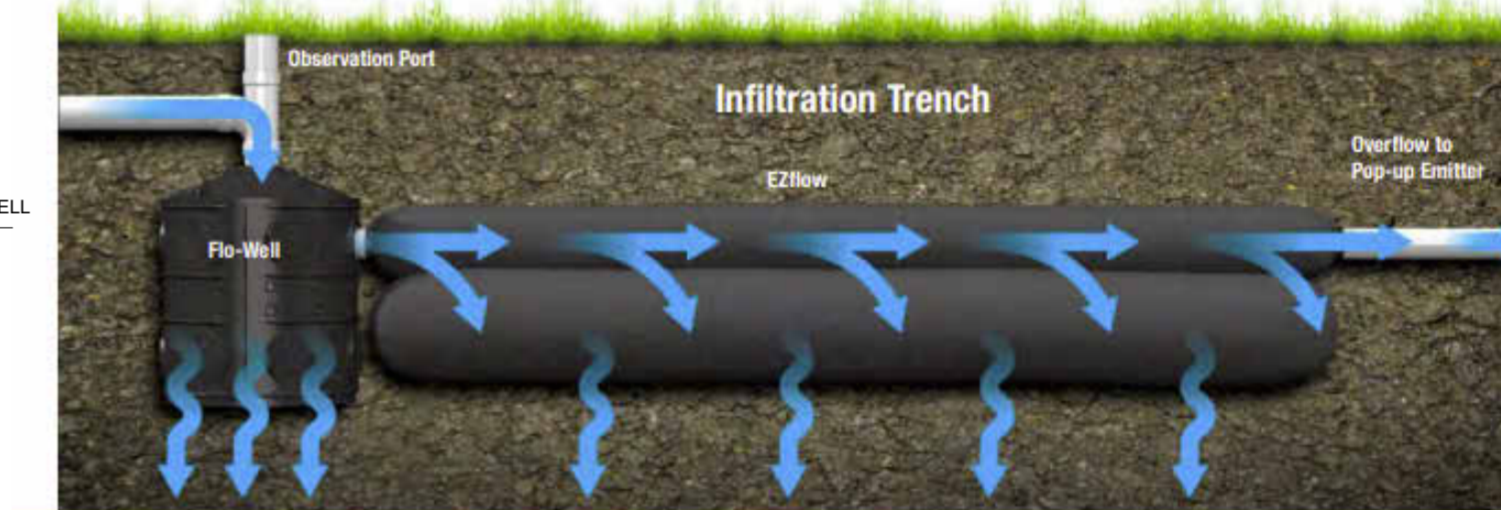


FILCOTEN TRENCH DRAIN (TYP.)

FILCOTEN PRO V 300 GALVANIZED STEEL RAIL CLASS E ASPHALT PAVEMENT

SECTION AT ELECTRICAL VAULT

CHANNEL DRAIN TO CAPTURE THE RUN OFF
CHANNEL DRAINS ACCEPT SHEET FLOWS FROM
PAVED WALKS AND PARKING.

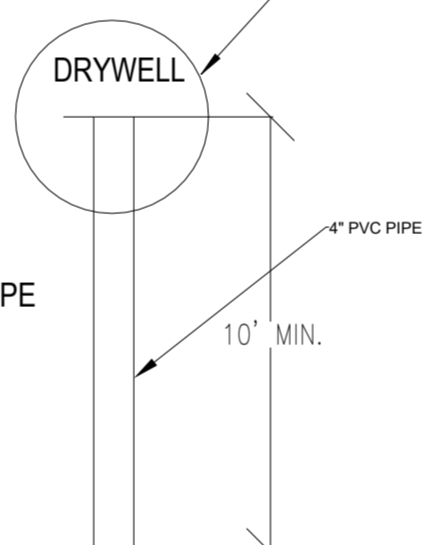


FLO WELL DRY WELL BY NDS (TYP.)

DETENTION & INFILTRATION

DETENTION & INFILTRATION
FLO-WELL® MANUFACTURED DRY WELLS PROVIDE 50 GALLONS OF DETENTION VOLUME. EACH UNIT HAS MULTIPLE CONNECTION POINTS INCLUDING SIDEWALL AND TOP COVER. KNOCK OUTS TO RECEIVE 3" TO 8" PIPE. FLO-WELLS ARE STACKABLE AND CAN BE ARRANGED IN MULTIPLE CONFIGURATIONS.

TERMINATE EACH SIDE TO
A FLO WELL DRYWELL
USE 4" PVC PIPE WITH 1-2% MIN SLOPE
TOTAL 4 DRYWELLS
TOTAL 4 TRENCH DRAINS



SPECIFICATIONS

FILCOTEN PRO-V NW300 - LOAD CLASS E

GENERAL

THE SURFACE DRAINAGE SYSTEM SHALL BE FILCOTEN FIBER COMPOSITE NW300 CHANNEL SYSTEM WITH CONCRETED EDGE MADE OF GALVANIZED STEEL RAILS AS MANUFACTURED BY BG GRASPOINTNER, INC AND DISTRIBUTED BY HYDRO BG USA INC. A WHOLLY OWNED SUBSIDIARY.

MATERIALS

CHANNELS SHALL BE MANUFACTURED FROM FILCOTEN FIBER COMPOSITE WITH CONCRETED EDGE GALVANIZED STEEL RAIL. MINIMUM PROPERTIES OF FILCOTEN FIBER COMPOSITE WILL BE AS FOLLOWS:

COMPRESSIVE STRENGTH:	11,700 PSI
FLEXURAL STRENGTH:	1,700 PSI
FREE OF RELEASE AGENTS:	YES
WATER ABSORPTION SUFFICIENT FOR ADHESION WITH CONCRETE SURFACES:	YES
NON FLAMMABLE:	YES
UV RESISTANT:	YES
RECYCLABLE 100%:	YES
DILUTE ACID AND ALKALI RESISTANT:	YES
FROST THAW SALT TESTED AS PER EN1433 WITH A TEST TEMPERATURE UP TO -40°C (-40°F):	YES
MATERIAL FREE OF VOC, BIOCIDES, HEAVY METALS:	YES

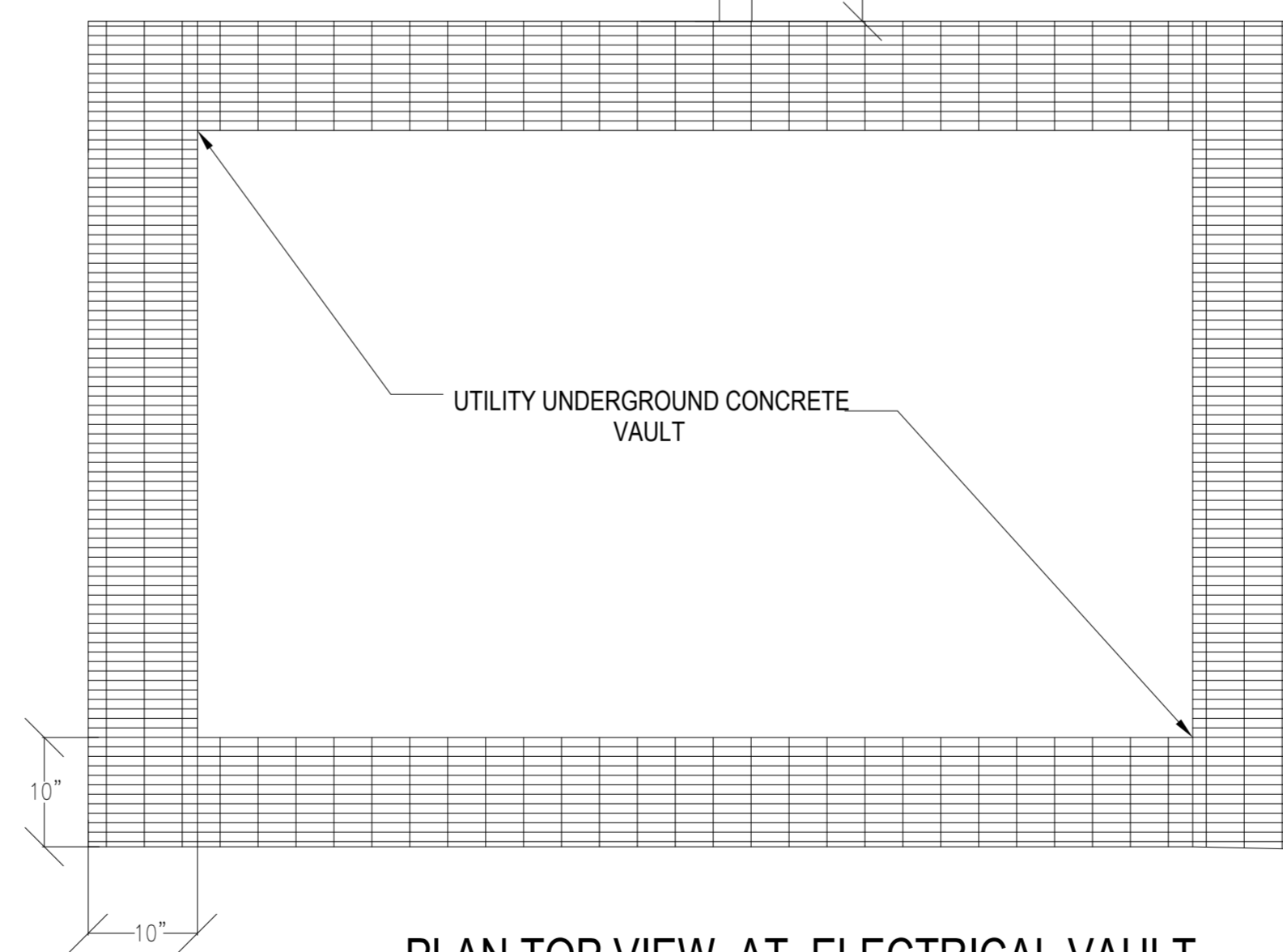
THE SYSTEM SHALL BE 12" (300MM) NOMINAL INTERNAL WIDTH WITH 3 HEIGHTS 14.17" (360MM), 16.20" (410MM) AND 18.11" (460MM), OVERALL WIDTH AND STEPPED SLOPE. ALL CHANNELS ARE EQUIPPED WITH INTERLOCKING CONNECTION MALE/FEMALE AND SEALANT JOINT.

THE COMPLETE DRAINAGE SYSTEM SHALL BE BY HYDRO BG USA, INC. ANY DEVIATION OR PARTIAL SYSTEM DESIGN AND/OR IMPROPER INSTALLATION WILL VOID ANY AND ALL WARRANTIES PROVIDED BY HYDRO BG USA, INC.

CHANNEL SHALL WITHSTAND LOADING TO PROPER LOAD CLASS AS OUTLINED BY EN 1433. GRATE TYPE SHALL BE APPROPRIATE TO MEET THE SYSTEM LOAD CLASS SPECIFIED AND INTENDED APPLICATION. GRATES SHALL BE SECURED USING 4-POINT BOLTING LOCKING SYSTEM. CHANNEL AND GRATE SHALL BE CERTIFIED TO MEET THE SPECIFIED EN 1433 LOAD CLASS. THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.

NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWING.
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY.
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.caddetails.com/info AND ENTER REFERENCE NUMBER 558-338.



PLAN TOP VIEW AT ELECTRICAL VAULT

CAPTURE

