

ACCESS COMPLIANCE NOTES

WALKS AND SIDEWALKS

- CONTINUOUS SURFACE: WALKS AND SIDEWALKS SUBJECT TO THESE REGULATIONS SHALL HAVE A CONTINUOUS COMMON SURFACE, NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING 1/2 INCH AND SHALL BE A MINIMUM OF 48 INCHES IN WIDTH. 1/2" CHANGE IN ELEVATION SHALL BE BEVELED 1:2 WITH 1/4" MAXIMUM VERTICAL (CBC SECTIONS 11B-302 AND 11B-303) SURFACES SHALL BE SLIP-RESISTANT AS FOLLOWS:
 - SLOPES LESS THAN 6 PERCENT: SURFACES WITH A SLOPE OF LESS THAN 6 PERCENT GRADIENT SHALL BE AT LEAST AS SLIP-RESISTANT AS DESCRIBED FOR A MEDIUM SALTED (MEDIUM BROOM) FINISH.
 - SLOPES 6 PERCENT OR GREATER: SURFACES WITH A SLOPE GREATER THAN 6 PERCENT GRADIENT SHALL BE SLIP-RESISTANT.
 - SURFACE CROSS SLOPES: SURFACE CROSS SLOPES SHALL NOT EXCEED 1/4 INCH PER FOOT.
- GRATINGS: WALKS, SIDEWALKS, AND PEDESTRIAN WAYS SHALL BE FREE OF GRATINGS WHENEVER POSSIBLE. FOR GRATINGS LOCATED IN THE SURFACE OF ANY OF THESE AREAS, GRID OPENINGS IN GRATINGS SHALL BE LIMITED TO 1/2 INCH (13 MM) IN THE DOMINANT DIRECTION OF TRAFFIC FLOW. (WHERE A DOMINANT IS NOT OBVIOUS 1/2" MAX OPENINGS SHALL BE IN ALL DIRECTIONS) (CBC SECTION 11B-302.3)
- CHANGES IN LEVEL: ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE SHALL NOT EXCEED 1/2 INCH. WHEN CHANGES IN LEVEL DO OCCUR, THEY SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1 UNIT VERTICAL IN 2 UNITS HORIZONTAL, EXCEPT THAT LEVEL CHANGES NOT EXCEEDING 1/4 INCH MAY BE VERTICAL. WHEN CHANGES IN LEVELS GREATER THAN 1/2 INCH ARE NECESSARY, THEY SHALL COMPLY WITH THE REQUIREMENTS FOR CURB RAMPS. (CBC SECTION 11B-406)
- WARNING CURBS: ABRUPT CHANGES IN LEVEL EXCEPT BETWEEN A WALK OR SIDEWALK AND AN ADJACENT STREET OR DRIVEWAY, EXCEEDING 4 INCHES IN A VERTICAL DIMENSION, SUCH AS AT PLANTERS OR FOUNDATIONS LOCATED IN OR ADJACENT TO WALKS, SIDEWALKS OR OTHER PEDESTRIAN WAYS, SHALL BE IDENTIFIED BY CURBS PROJECTING AT LEAST 8 INCHES IN HEIGHT ABOVE THE WALK OR SIDEWALK SURFACE TO WARN THE BLIND OF A POTENTIAL DROP OFF. WHEN A GUARDRAIL OR HANDRAIL IS PROVIDED, NO CURB IS REQUIRED WHEN A GUIDE RAIL IS PROVIDED CENTERED 3 INCHES PLUS OR MINUS 1 INCH ABOVE THE SURFACE OF THE WALK OR SIDEWALK, THE WALK IS 5 PERCENT OR LESS GRADIENT OR NO ADJACENT HAZARD EXISTS. (CBC SECTION 11B-303.5)
- PROVIDE A 60" X 60" LEVEL AREA WHERE A DOOR (OR GATE) SWINGS TOWARD THE WALK IN THE ACCESSIBLE ROUTE OF TRAVEL. EXTEND WALK A MINIMUM 24" BEYOND THE STRIKE EDGE OF ANY DOOR (OR GATE) THAT SWINGS TOWARDS THE WALK.
- WALKS WITH CONTINUOUS GRADIENTS SHALL BE PROVIDED WITH LEVEL AREAS A MINIMUM 5'-0" LONG AT INTERVALS OF 400'-0" MAXIMUM PER CBC SECTION 11B-403.7.
- A 36" WIDE DETECTABLE WARNING MATERIAL SHALL BE PROVIDED AT BOUNDARIES BETWEEN WALKWAYS AND VEHICULAR WAYS. MATERIAL SHALL COMPLY WITH CRITERIA OF CBC SECTION 11B-705.
- COLOR YELLOW FOR DETECTABLE WARNING SURFACE SHALL CONFORM TO COLOR NO. 33558 PER FEDERAL STANDARD NO. 595B. CBC SECTION 11B-705.1.1.5.
- PROVIDE MINIMUM 5 YEAR WARRANTY FOR DETECTABLE WARNING SURFACE PER DSA BULLETIN 10/31/02, REVISED 04/09/08.

PEDESTRIAN RAMPS

- THE ALLOWABLE CROSS SLOPE AT PEDESTRIAN RAMPS SHALL BE 1/4 INCH PER FOOT (2%) MAXIMUM, PER CBC SECTION 11B-405.3.
- RAMP SURFACES WILL BE SLIP RESISTANT.
- RAMPS SHALL HAVE A MINIMUM WIDTH OF 48 INCHES, PER CBC SECTION 11B-405.5. WHERE A RAMP SERVES A BUILDING HAVING AN OCCUPANT LOAD OF 300 OR MORE, THE MINIMUM CLEAR WIDTH SHALL BE 60 INCHES.
- REQUIRED LANDINGS AT THE TOP AND BOTTOM OF RAMPS, PER CBC SECTION 11B-405.7:
 - THE BOTTOM LANDING SHALL BE GREATER OR EQUAL TO 72" IN THE DIRECTION OF TRAVEL.
 - THE TOP LANDING SHALL BE A MINIMUM OF 60" X 60".
 - WHERE THE CHANGE IN ELEVATION IS GREATER THAN 30", PROVIDE INTERMEDIATE LANDING PER CBC FIGURE 11B-405.7. WHERE THERE IS A CHANGE OF DIRECTION IN EXCESS OF 30 DEGREES, PROVIDE A LANDING OF 72" MINIMUM IN THE DIRECTION OF RAMP RUN. PROVIDE A LANDING OF 60" IN THE DIRECTION OF RAMP RUN IN OTHER INTERMEDIATE LANDINGS.

FIRE DEPARTMENT NOTES

- FIRE DEPARTMENT FINAL INSPECTION REQUIRED. SCHEDULE ALL INSPECTIONS 24 HOURS IN ADVANCE.
- ALL EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. NO DEADBOLTS, NO SLIDING BOLTS, ETC.
- BUILDING OCCUPANT TO SECURE ALL PERMITS REQUIRED BY THE FIRE DEPARTMENT FROM THE FIRE PREVENTION BUREAU PRIOR TO OCCUPYING THESE BUILDINGS.
- PLANS FOR ALL FIXED FIRE PROTECTION EQUIPMENT AND FIRE ALARM SYSTEM SHALL BE SUBMITTED BY ARCHITECT OF RECORD TO AUTHORITY HAVING JURISDICTION FOR APPROVAL PRIOR TO INSTALLATION.
- INTERIOR FINISHES SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 9, CALIFORNIA BUILDING CODE, 2010 EDITION.
- ALL DECORATIVE MATERIALS SHALL BE MAINTAINED IN A FLAME-RETARDANT CONDITION. (G.C.R. T-19, SEC. 1.14, 3.08, 3.21, AND C.F.C. SEC. 807)
- THE CONSTRUCTION, REMODEL, OR DEMOLITION OF A BUILDING SHALL COMPLY WITH CFC CHAPTER 14 AND CBC CHAPTER 33.
- FIRE HYDRANTS SHALL COMPLY WITH FIRE DEPARTMENT REQUIREMENTS FOR ON-SITE FIRE HYDRANTS, CFC SECTION 507.5 AND APPENDICES BB AND CC.
- CONTRACTOR SHALL PROVIDE PROPER FIRE TRUCK ACCESS AND FIRE EXITS DURING CONSTRUCTION AT ALL TIMES.

OAK TREE PROTECTION NOTES

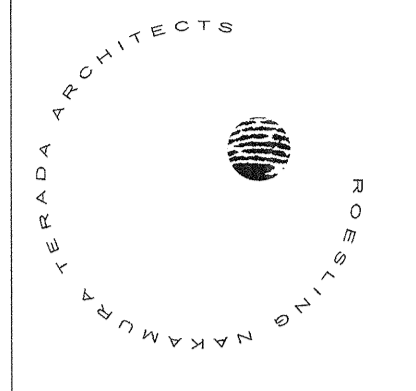
- NO WORK IS PERMITTED WITHIN THE FENCED AREAS. THE FENCING SHALL REMAIN IN PLACE UNTIL PERMISSION TO REMOVE IS GRANTED BY THE LANDSCAPE ARCHITECT.
- NO MATERIALS, EQUIPMENT, VEHICLES, SPOILS, DEBRIS, ETC. SHALL BE PLACED OR STORED WITHIN THE FENCED AREA AT ANY TIME. THE EXISTING PAVED DRIVEWAY MAY BE UTILIZED FOR ACCESS AND LAY DOWN SPACE, UNLESS OTHERWISE PROHIBITED, AS LONG AS THESE ACTIVITIES DO NOT CAUSE HARM TO THE SUBJECT OAK TREES.
- NO PRUNING OF LIVE WOOD IS PERMITTED UNLESS SPECIFICALLY AUTHORIZED BY THE LANDSCAPE ARCHITECT. ALL PRUNING OPERATIONS SHALL BE CONSISTENT WITH ANSI A300 STANDARDS - PART 1 PRUNING AND THE MOST RECENT EDITION OF THE INTERNATIONAL SOCIETY OF ARBORICULTURE BEST MANAGEMENT PRACTICES FOR TREE PRUNING.
- NO HERBICIDES SHALL BE USED WITHIN ONE HUNDRED (100) FEET OF THE DRIPLINE OF ANY OAK TREE UNLESS THE PROGRAM IS FIRST REVIEWED AND ENDORSED BY THE LANDSCAPE.
- REFER TO LANDSCAPE PLANS FOR ADDITIONAL REQUIREMENTS.

DEMOLITION NOTES

- IDENTIFY ALL DAMAGED ELEMENTS DESIGNATED TO REMAIN OR BE RELOCATED. REQUEST CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING WITH DEMOLITION WORK.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND VERIFYING DEMOLITION PLANS IN RELATION TO STRUCTURAL AND CONSTRUCTION DRAWINGS. CONTRACTOR SHALL VERIFY AND COORDINATE THE EXTENT OF DEMOLITION WORK WITH NEW WORK. THE ARCHITECT SHALL BE NOTIFIED OF ANY AND ALL CONFLICTS, DISCREPANCIES OR PROBLEMS.
- SEE MECHANICAL, PLUMBING, AND ELECTRICAL DEMOLITION PLANS FOR ADDITIONAL WORK.
- THE CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO DEMOLITION. THE CONTRACTOR SHALL BEWARE OF POTENTIAL HAZARDS FROM DEMOLITION WORK NEAR UTILITIES. PIPES AND CONDUIT ENCOUNTERED IN DEMOLISHED PARTITIONS AND AREAS WHICH ARE TO REMAIN IN USE SHALL BE RE-ROUTED AND CONCEALED. THOSE WHICH ARE TO BE ABANDONED SHALL BE CAPPED AND CONCEALED IN FLOOR, WALL OR CEILING.
- THE GENERAL CONTRACTOR SHALL ERECT ALL NECESSARY TEMPORARY SOLID AND/OR PLASTIC DROP CLOTH PARTITIONS TO PROTECT AREAS TO REMAIN WHILE DEMOLITION AND CONSTRUCTION ARE IN PROGRESS.
- BRACE AND SUPPORT EXISTING WORK PRIOR TO AND DURING DEMOLITION AND NEW WORK, AND UNTIL SAFE TO REMOVE SUCH BRACING AND SUPPORTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL STRUCTURAL SHORING DESIGN AND CALCULATIONS.
- THE CONTRACTOR SHALL PERFORM ALL DEMOLITION WORK REQUIRED INCLUDING THE REMOVAL AND PROPER DISPOSAL OF ALL DEBRIS, BROKEN CONCRETE, ETC., FROM THE SITE. PROPER SHORING SHALL BE EXECUTED FOR THE SAFETY OF THE STRUCTURE AND WORKMEN.
- THE OWNER SHALL HAVE FIRST RIGHTS OF REFUSAL FOR ALL DEMOLISHED MATERIALS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM DEMOLITION AT NO ADDITIONAL COST TO THE OWNER. THE GENERAL CONTRACTOR SHALL BE EXTREMELY CAREFUL TO PROTECT AND NOT TO DAMAGE ANY PORTION OF EXISTING INSTALLATION NOT BEING REMOVED. ANY EXISTING FACILITIES INDICATED TO REMAIN WHICH ARE SO DAMAGED SHALL BE REPLACED EQUAL TO ORIGINAL CONDITION AND TO THE SATISFACTION OF THE OWNER.
- CUT EXISTING PORTIONS OF WALLS, FLOORS, CEILINGS, ETC., WHERE INDICATED AND AS NECESSARY FOR NEW WORK. UNLESS SPECIFICALLY SHOWN ON THESE PLANS, NO STRUCTURAL MEMBER SHALL BE CUT, NEITHER DRILLED NOR NOTCHED, WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER, THE ARCHITECT AND THE AUTHORITY HAVING JURISDICTION.
- ALL TRADES CONCERNED SHALL COORDINATE EACH OTHER'S WORKS PRIOR TO AND DURING DEMOLITION.
- ANY PROJECTING OR SURFACE-MOUNTED ITEMS BEING ABANDONED SHALL BE REMOVED, CAPPED AND CONCEALED BEHIND FINISHED SURFACES, UNLESS OTHERWISE NOTED. PATCH AND FINISH TO MATCH EXISTING ADJACENT SURFACE.
- SURFACES WHERE MATERIAL IS REMOVED TO INSTALL NEW WORK OR TO RECEIVE NEW FINISH SHALL BE REPAIRED AND PATCHED TO MATCH ORIGINAL CONDITIONS. RETEXTURE AND REPAINT WALL OR CEILING WHERE PATCHED TO MATCH EXISTING, WITH NO EVIDENCE THAT PATCH HAS OCCURRED.
- ALL EXISTING AREAS TO REMAIN OR NEW CONSTRUCTION WORK THAT ARE DAMAGED SHALL BE PATCHED AS REQUIRED TO MATCH EXISTING ADJACENT AREA IN MATERIAL, FINISH AND COLOR, UNLESS OTHERWISE NOTED.
- ALL EQUIPMENT AND MATERIAL WHICH ARE IN OPERATING CONDITION WHEN REMOVED SHALL BE MAINTAINED AS SUCH AND RETURNED TO THE OWNER OR TO BE REINSTALLED WHERE INDICATED. PROPERLY RECONNECT EQUIPMENT TO RESUME OPERATION.
- DEMOLISH AND REMOVE WALLS, CEILINGS AND ALL OTHER ITEMS AND EQUIPMENT NOT REQUIRED TO REMAIN OR TO BE REUSED, SUCH AS, BUT NOT LIMITED TO, DOORS, BUCKS, MOLDINGS AND WALL COVERINGS, INCLUDING ITEMS WHICH MAY BE REASONABLY INFERRED AS NECESSARY TO PROPERLY PREPARE FOR THE EXECUTION AND INSTALLATION OF THE NEW WORK. REMOVE EXCESS DOORS, BUCKS, HARDWARE, LIGHTING FIXTURES, ELECTRICAL FITTINGS, CARPETS AND OTHER SALVAGEABLE MATERIAL TO BE STORED, RECYCLED, OR DISPOSED OF AS DIRECTED BY THE OWNER.
- IN ALL AREAS WHERE DEMOLITION CAUSES UNEVENNESS OR VOIDS IN FLOOR, THE GENERAL CONTRACTOR SHALL PATCH TO LEVEL FLOOR WITH EXISTING SLAB AND/OR REQUIRED SURFACE TO RECEIVE NEW FLOOR FINISH. PATCH AND REPAIR SUBFLOOR AS REQUIRED TO RECEIVE NEW FINISH FLOORING IN A MANNER CONSISTENT WITH HIGH QUALITY WORKMANSHIP.
- WHERE DEMOLITION IS REQUIRED TO INSTALL NEW HOLDDOWNS OR STRAPS PASSING FROM FLOOR TO FLOOR, EXERCISE EXTREME CARE AS TO NOT DAMAGE EXISTING ADJACENT FLOOR FINISHES (CARPET, CERAMIC TILE, VINYL TILE, ETC.)
- CAREFULLY & THOROUGHLY SURVEY EXISTING IRRIGATION SYSTEMS AT AREAS OF TRENCHING PRIOR TO BEGINNING SUCH WORK. MEET WITH OWNER MAINTENANCE STAFF TO COORDINATE SHUT-OFF AT AREAS OF WORK. REPAIR ALL IRRIGATION DAMAGED AS A RESULT OF DEMOLITION & NEW WORK TO ORIGINAL FUNCTIONING CONDITION.
- ALL TRENCHING OPERATIONS SHALL BE PERFORMED WITH A SPOTTER. SPOTTER SHALL CONTINUOUSLY OBSERVE EXCAVATIONS TO LOCATE IRRIGATION LINES, CONDUITS AND ANY OTHER UTILITIES OR SUBTERRANEAN EQUIPMENT. ANY ITEMS ENCOUNTERED SHALL BE EXCAVATED BY HAND. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY IRRIGATION, UTILITIES, OR OTHER ITEMS DAMAGED AS A RESULT OF EXCAVATION.
- REMOVE AND DISPOSE OF CLADDING MATERIAL ON ALL EXTERIOR WALLS TO REMAIN DOWN TO PLYWOOD SHEATHING OR WOOD STUD WHERE PLYWOOD SHEATHING IS NOT PRESENT

GENERAL NOTES

- THE PROJECT MANUAL ISSUED AS PART OF THESE CONSTRUCTION DOCUMENTS IS AN INTEGRAL PART OF THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THAT ALL WORKMANSHIP, MATERIALS AND CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE APPLICABLE CODES AND FEDERAL REQUIREMENTS AND REGULATIONS.
- THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL DIMENSIONS PRIOR TO SUBMITTING A BID. THE CONTRACTOR IS ALSO RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, GRADES, ELEVATIONS AND DIMENSIONS BEFORE STARTING WORK. THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY OR INCONSISTENCY.
- THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL EXISTING UTILITY SERVICES IN THE AREA TO BE EXCAVATED PRIOR TO THE BEGINNING OF EXCAVATION. THE CONTRACTOR SHALL PROTECT ALL UTILITY LINES AND SERVICE LINES TO REMAIN WHICH ARE ENCOUNTERED DURING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ENFORCEMENT OF FEDERAL AND STATE OF CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REQUIREMENTS AND REGULATIONS.
- DO NOT SCALE ANY DRAWINGS IN THIS SET.
- ALL DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE SHOWN ON PLANS, SECTIONS AND DETAILS. SPECIFIC NOTES AND DETAILS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
- MATERIAL NOTES AND DRAWINGS SHALL TAKE PRECEDENCE OVER THE SPECIFICATIONS. ISSUE RFI WHEN DISCREPANCY.
- ALL OMISSIONS AND CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY BEFORE PROCEEDING WITH ANY WORK SO INVOLVED. NO CHANGES ARE TO BE MADE UNLESS THE ARCHITECT AND THE OWNER ARE NOTIFIED IN WRITING AND APPROVE SUCH A CHANGE ACCORDING TO THE CONTRACT.
- THE ARCHITECT IS NOT RESPONSIBLE FOR ASBESTOS ABATEMENT.
- PROVIDE BACKING AT ALL INDICATED LOCATIONS OF FIXTURES, SIGNS, HANDRAILS, ETC.
- DURING CONSTRUCTION PERIOD, CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED FLOORS OR ROOF. THE LOAD SHALL NOT EXCEED THE DESIGN LIVE LOADS FOR EACH PARTICULAR LEVEL.
- TRADE NAMES AND MANUFACTURERS REFERRED TO ARE FOR QUALITY STANDARDS ONLY. SUBSTITUTIONS WILL BE PERMITTED AS APPROVED BY THE OWNER AND THE ARCHITECT ONLY UPON SUBMITTAL AND FOR A LIMITED PERIOD.
- ITEMS SHOWN AS N.I.C. ON PLANS MAY REQUIRE SEPARATE SUBMITTALS, APPROVALS AND PERMITS. INSTALLING CONTRACTOR IS RESPONSIBLE FOR OBTAINING PERMITS FOR SUCH ITEMS.
- CONTRACTOR SHALL VERIFY MINIMUM 2% SITE DRAINAGE TO DRAINAGE INLETS. EXCEPTION: CROSS SLOPE OF ACCESSIBLE PATH OF TRAVEL SHALL BE 2% MAXIMUM.
- CONTRACTOR SHALL ENSURE ALL FLOOR FINISH MATERIALS WILL BE FLUSH WITH ADJACENT WALKING SURFACES.
- CONTRACTOR SHALL ENSURE ALL FINISH MATERIALS WILL BE FLUSH WHERE NEW FINISH SURFACE MATERIALS JOIN EXISTING TO PROVIDE SMOOTH TRANSITION.
- SAFETY GLAZING IN HAZARDOUS LOCATIONS SUCH AS GLASS DOORS, GLAZING ADJACENT TO SUCH DOORS AND GLAZING ADJACENT TO WALKWAY SURFACES TO COMPLY WITH SECTIONS 2406 AND 2406.4. OF THE CBC, APPLICABLE EDITION.
- DOORS SHOULD NOT PROJECT MORE THAN 7 INCHES INTO THE REQUIRED CORRIDOR WIDTH WHEN FULLY OPENED OR MORE THAN ONE-HALF INTO THE REQUIRED CORRIDOR WIDTH WHEN IN ANY POSITION.
- CONTRACTOR ACKNOWLEDGES THAT DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE TO REPRESENT THE INTENT OF THE WORK TO BE ACCOMPLISHED. CONTRACTOR IS TO INSTALL MATERIALS AND SYSTEMS WITH EXPERIENCED SKILLED CRAFTSMEN WHO WILL BE RESPONSIBLE FOR THE INTEGRITY OF THEIR RESPECTIVE WORK. NOT EVERY DETAIL OF EACH CONDITION IS DRAWN. CONTRACTOR AND SUB-CONTRACTOR ARE RESPONSIBLE FOR COMPLETE WORKMANLIKE INSTALLATION OF ALL MATERIALS AND SYSTEMS AND WILL NEED TO PROVIDE ADDITIONAL DETAILS FOR INSTALLATION BASED ON GENERAL INFORMATION SHOWN. FOR INSTANCE, NOT EVERY WATERPROOFING OR FLASHING DETAIL FOR EVERY CONDITION IS SHOWN. CONTRACTOR IS TO PROVIDE DETAILS AND INSTALLATION FOR A COMPLETE WATERTIGHT INSTALLATION.
- THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONDITION NOT COVERED BY THE CONTRACT DOCUMENTS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED, DETAILS AND SPECIFICATIONS FOR THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE AUTHORITY HAVING JURISDICTION BEFORE PROCEEDING WITH THE WORK.
- EXISTING ELECTRICAL, THERMOSTATS, DATA, FIRE ALARM, TELEPHONE, AND SECURITY OUTLETS AND DEVICES LOCATED AT EXISTING WALLS INDICATED TO RECEIVE NEW FINISH AND SCHEDULED TO REMAIN SHALL BE REMOVED AND REMOUNTED AT NEW FINISHED WALL SURFACE.
- CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA.
- GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
- THE FINISH SURFACE OUTSIDE EVERY EXTERIOR DOOR SHALL SLOPE NO MORE THAN 2% IN ANY DIRECTION IN THE AREA EXTENDING 66" IN FRONT OF THE DOOR AND 30" ON EACH SIDE.
- A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
- GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
- TITLE 24, PARTS 1-5 AND 9 MUST BE KEPT ON SITE DURING CONSTRUCTION.



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CONSTRUCTION DOCUMENTS

No.	Description	Date

Sheet Name

GENERAL NOTES

	17770.00
Date	04/12/18
Drawn by	JR
Checked by	CY
Sheet Number	G-002

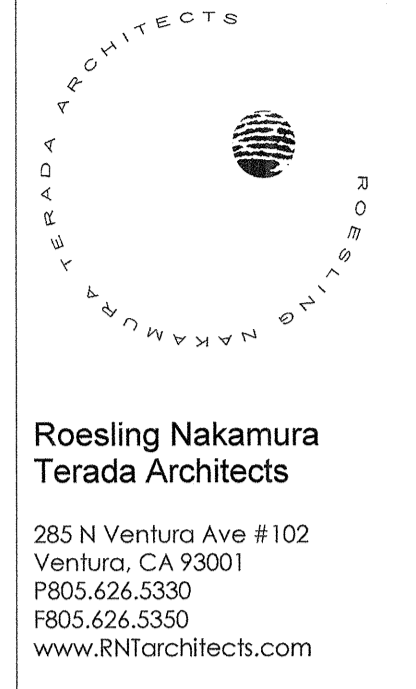
ABBREVIATIONS

Ø	DIAMETER	HR.	HOUR
&	AND	HT.	HEIGHT
CL OR C	CENTERLINE	INSUL.	INSULATION
#	POUND OR NUMBER	INT.	INTERIOR
A.B.	ANCHOR BOLT	JT.	JOINT
ABV.	ABOVE	LAM.	LAMINATE
ACP	ACOUSTICAL CEILING PANEL	LAV.	LAVATORY
A.D.	AREA DRAIN	LT.	LIGHT
ADJ.	ADJUSTABLE	MFR.	MANUFACTURER
A.F.F.	ABOVE FINISH FLOOR	MATR'L	MATERIAL
A.F.G.	ABOVE FINISH GRADE	MAX.	MAXIMUM
ALUM.	ALUMINUM	M.B.	MACHINE BOLT
BLDG.	BUILDING	MECH.	MECHANICAL
BLKG.	BLOCKING	MIN.	MINIMUM
BM.	BEAM	MISC.	MISCELLANEOUS
B.O.B.	BOTTOM OF BEAM	M.R.	MOISTURE RESISTANT
BOT.	BOTTOM	MTL.	METAL
BTWN.	BETWEEN	(N)	NEW
CAB.	CABINET	N.I.C.	NOT IN CONTRACT
CALIF.	CALIFORNIA	NO. OR #	NUMBER
C.F.O.I	CONTRACTOR FURNISHED OWNER INSTALLED	N.T.S.	NOT TO SCALE
C.I.P.	CAST IN PLACE	O/	OVER
CJ	CONSTRUCTION JOINT	O.C.	ON CENTER
C.J.	CONTROL JOINT	O.F.C.I.	OWNER FURNISHED CONTRACTOR INSTALLED
C.L.	CHAIN LINK	O.F.O.I.	OWNER FURNISHED OWNER INSTALLED
CLG.	CEILING	OPP.	OPPOSITE
CLR.	CLEAR	PB	PULL BOX
CMU	CONCRETE MASONRY UNIT	PERF.	PERFORATED
C.O.	CLEAN OUT	PL.	PLATE OR PLASTIC
C.O.C.	CENTER OF COLUMN	PLAST.	PLASTER
COL.	COLUMN	PLYWD.	PLYWOOD
COMP.	COMPOSITION	PR.	PAIR
CONC.	CONCRETE	PROJ.	PROJECTION
CONSTR.	CONSTRUCTION	P.T.D.F.	PRESSURE TREATED DOUGLAS FIR
CONT.	CONTINUOUS	R OR RAD	RADIUS
C.T.	CERAMIC TILE	REFL.	REFLECTED
DBL.	DOUBLE	REFRIG.	REFRIGERATOR
DF	DOUGLAS FIR	REINF.	REINFORCED OR REINFORCEMENT
D.F.	DRINKING FOUNTAIN	REQ.	REQUIRED OR REQUIREMENTS
DFCI	DISTRICT FURNISHED CONTRACTOR INSTALL	RM.	ROOM
DIA.	DIAMETER	S.C.	SOLID CORE
DIM.	DIMENSION	SCHED.	SCHEDULE
DN	DOWN	SHT'G	SHEATHING
DR.	DOOR	SHT.	SHEET
DWG	DRAWING	SIM.	SIMILAR
(E)	EXISTING	SJ	SAWCUT JOINT
EA	EACH	S.M.S.	SHEET METAL SCREWS
EJ	EXPANSION JOINT	SQ.	SQUARE
ELECT.	ELECTRICAL	S.S.	STAINLESS STEEL
ELEV.	ELEVATION	ST.	STANDARD
EQ	EQUAL	STL.	STEEL
EQUIP.	EQUIPMENT	STOR.	STORAGE
EXIST.	EXISTING	STRUCT.	STRUCTURAL
EXT.	EXTERIOR	SUSP.	SUSPENDED
FD	FLOOR DRAIN	T&B	TOP & BOTTOM
FDN.	FOUNDATION	TEMP.	TEMPERED
F.E.	FIRE EXTINGUISHER	T.O.	TOP OF
F.E.C.	FIRE EXTINGUISHER CABINET	T.O.B.	TOP OF BEAM
F.F.	FINISH FLOOR	TS	TUBE STEEL
FIN.	FINISH	T.W.	TOP OF WALL
FLR.	FLOOR	TYP.	TYPICAL
F.O.C.	FACE OF CONCRETE	U.N.O.	UNLESS NOTED OTHERWISE
F.O.F.	FACE OF FINISH	U.O.N.	UNLESS OTHERWISE NOTED
F.O.S.	FACE OF STRUCTURE	V.C.T.	VINYL COMPOSITION TILE
FRAM'G	FRAMING	VERT.	VERTICAL
FRP	FIBERGLASS REINFORCED PANEL	V.G.D.F.	VERTICAL GRAIN DOUGLAS FIR
FT.	FOOT OR FEET	V.I.F.	VERIFY IN FIELD
FTG.	FOOTING	W/	WITH
F.V.	FIELD VERIFY	WD.	WOOD
GA.	GAUGE	W.O.	WHERE OCCURS
GALV.	GALVANIZED	W.P.	WATERPROOF
GWB.	GYPSUM WALL BOARD	W.R.	WATER RESISTANT
GYP. BD.	GYPSUM BOARD	WT.	WEIGHT
HDG.	HOT DIP GALV		
HDR.	HEADER		
HORIZ.	HORIZONTAL		
H.M.	HOLLOW METAL		

SYMBOLS

	PROPERTY LINE
	SLOPING SURFACE
	DETAIL NUMBER SHEET DETAIL APPEARS ON
	SECTION NUMBER SHEET SECTION APPEARS ON
	ELEVATION NUMBER SHEET SECTION APPEARS ON
	CONCRETE
	SOIL
	PLYWOOD
	STEEL
	WOOD BLOCKING
	WOOD CONTINUOUS MEMBER
	WORK POINT, CONNECTION POINT, DATUM POINT OR CONTROL POINT
	KEYNOTE
	DOOR NUMBER REFERENCE, REFER TO DOOR SCHEDULE
	WINDOW NUMBER REFERENCE, REFER TO WINDOW TYPES
	WALL TYPE REFERENCE, REFER TO AD101-AD106
	SIGN TYPE REFERENCE, REFER TO AD701
	TICK INDICATES DIMENSIONS TO FACE OF STUD, GRIDLINES OR FACE OF STRUCTURE
	DOT INDICATES DIMENSION TO CENTERLINE
	ARROW INDICATES DIMENSION TO F.O. FINISH OR CLEAR DIMENSION
	SPOT ELEVATION

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 OFFICE OF REGULATION SERVICES
 FILE NO. 58-18
03-118819
 AC. No. FILE No. 34434
 DATE: 4/6/2019

OJAI UNIFIED SCHOOL DISTRICT

NORDHOFF HIGH SCHOOL - LIBRARY - REMODEL QUAD

1401 MARICOPA HWY.
 OJAI, CA 93023

CONSTRUCTION DOCUMENTS

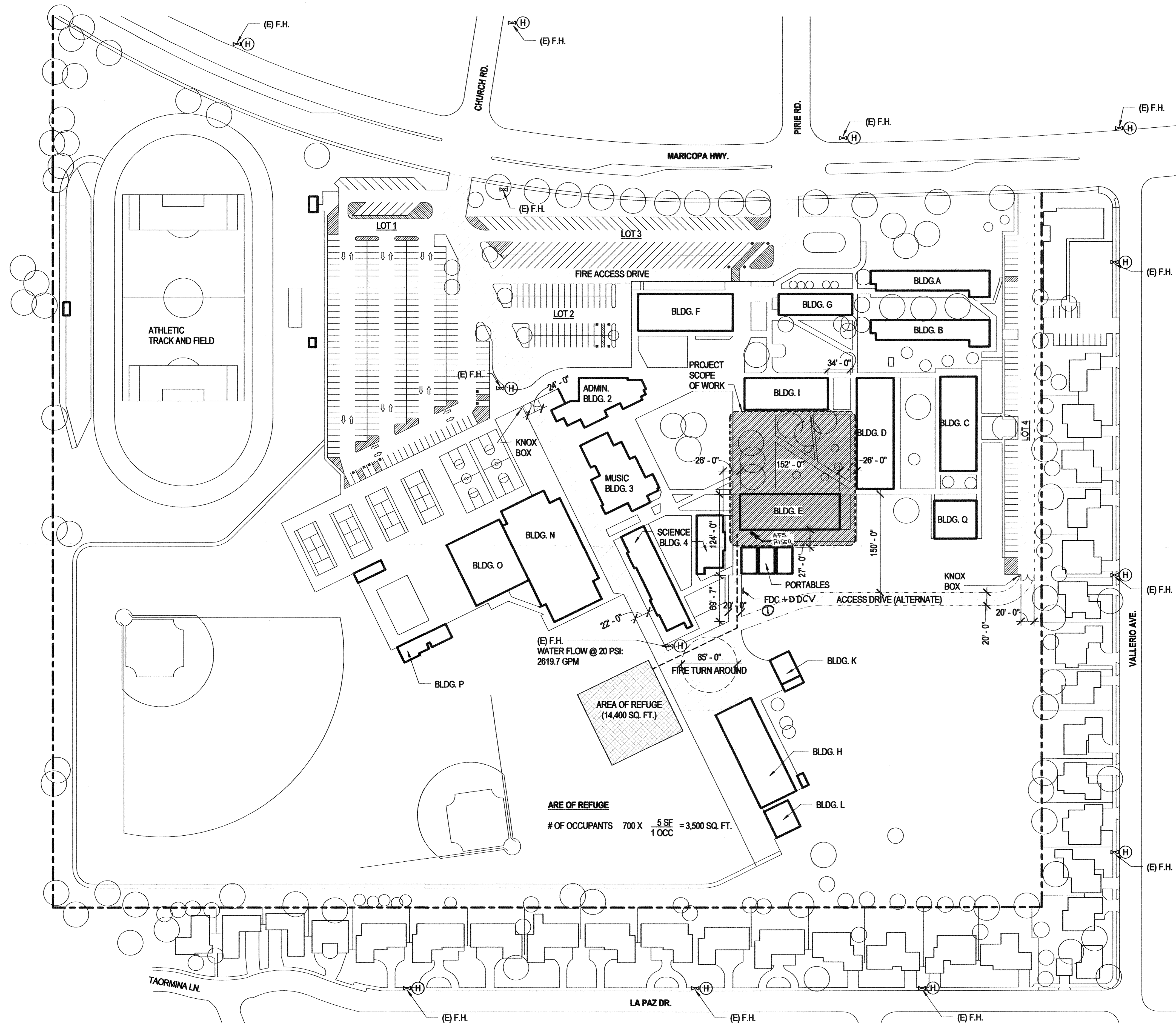
No.	Description	Date

Sheet Name

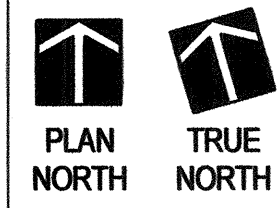
ABBREVIATIONS AND SYMBOLS

17770.00
Date 04/12/18
Drawn by JR
Checked by CY
Sheet Number

G-003



1 FIRE ACCESS AND HYDRANT PLAN
1" = 80'-0"



GENERAL NOTES

1. PROJECT ASSESSOR'S PARCEL # 017-029-002.
2. ALL GATES WITHIN THE EXISTING FIRE TRUCK ACCESS ROUTE SHALL BE EQUIPPED WITH A KNOX PADLOCK.
3. ALL EXISTING BUILDINGS HAVE SIGNAGE VISIBLE FROM THE EXISTING FIRE TRUCK ACCESS ROUTE.
4. REFER TO FP-0.0 FOR WATER FLOW REPORT.

LEGEND

- PROPERTY LINE
- ▨ AREA OF WORK
- (E) F.H. (E) FIRE HYDRANT
- ▨ EXISTING 20' WIDE FIRE TRUCK ACCESS ROUTE WITH 28' WIDE MINIMUM TURN RADIUS
- ① REFER TO F.P.O. 0

810 LOCAL FIRE AUTHORITY REVIEW

To facilitate the Division of the State Architect's (DSA) approval of the FireLife Safety portion of a project, DSA requires Local Fire Authority (LFA) review of certain elements as specified in this form. Use of this form is mandatory for projects that add square footage to a campus or if any item on this form is relevant to the project. For additional information, see DSA 810 Regulations and DSA Policy 08-01.

School District/Owner: Ojai Unified School District
 Project Name/School: Library Remodel at Nordhoff High School
 Project Address: https://www.documents.dgs.ca.gov/dsa/forms/DSA_810.pdf

LFA Agency Name: Ventura County Fire Department
 LFA Reviewer Name: NOEL DODD Title: FIRE INSPECTOR
 Work Email: NOEL.DODD@VENTURA.CA.GOV Work Telephone Number: 805-977-2522

I have reviewed and responded to the applicable items for this project as listed below.
 Note: Only sign this form when it is imaged onto the site plan. A loose form is not acceptable to DSA.
 LFA Reviewer's Signature: [Signature] Date: 8/16/18

Review Key: "Y" = Complies with LFA requirements "N" = Not approved (complete Section 6)
 "NA" = Not applicable to the project "NR" = LFA elects not to review

No.	Description	Y	N	NA	NR
1	Where an elevator does not meet medical emergency service cab size, per the California Building Code (CBC), use of stairways for emergency rescue and patient transport is acceptable.				
2	Access roads, fire lane markings, pavers and gate entrances are in accordance with Title 19, California Code of Regulations and the California Fire Code, Chapter 5.				
3	Fire hydrant location and distribution complies with the California Fire Code (see #4).				
4	Fire hydrant location and distribution complies with NFPA 1142, "Alternate Means," if "NR" is checked, DSA can only approve on-site water storage as an alternate. The signature of the school district official is required to acknowledge the use of alternate means.				
5	Signature of School District Official: _____ Date: _____ Print the School District Official's Name: _____				
6	The location(s) of the proposed post indicator valve and fire department connection meet the requirements of this jurisdiction.				
7	The location(s) of the detector check valve assembly meet the requirements of this jurisdiction.				
8	Is the project located in a hazard severity zone area? (CBC, Chapter 7A, Section 701A.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
9	Check type if "Yes": <input type="checkbox"/> Moderate <input type="checkbox"/> High <input type="checkbox"/> Very High <input type="checkbox"/> WIFA (if one of these boxes is checked, the project design must meet the requirements of Chapter 7A.)				
10	COMMENTS (note deficiencies):				

Roesling Nakamura Terada Architects
 285 N Ventura Ave #102
 Ventura, CA 93001
 805.626.5330
 805.626.5350
 www.RNTArchitects.com

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 FILE NO. 58-H8
03-118819
 AC: [Signature] FLS: [Signature]
 DATE: FFR 0 R 2018

PROFESSIONAL ARCHITECT
 LICENSE NO. C 34434
 EXPIRES 1-31-19
 STATE OF CALIFORNIA

OJAI UNIFIED SCHOOL DISTRICT

NORDBOFF HIGH SCHOOL - LIBRARY - REMODEL QUAD

1401 MARICOPA HWY.
 OJAI, CA 93023

CONSTRUCTION DOCUMENTS

No.	Description	Date

FIRE ACCESS PLAN

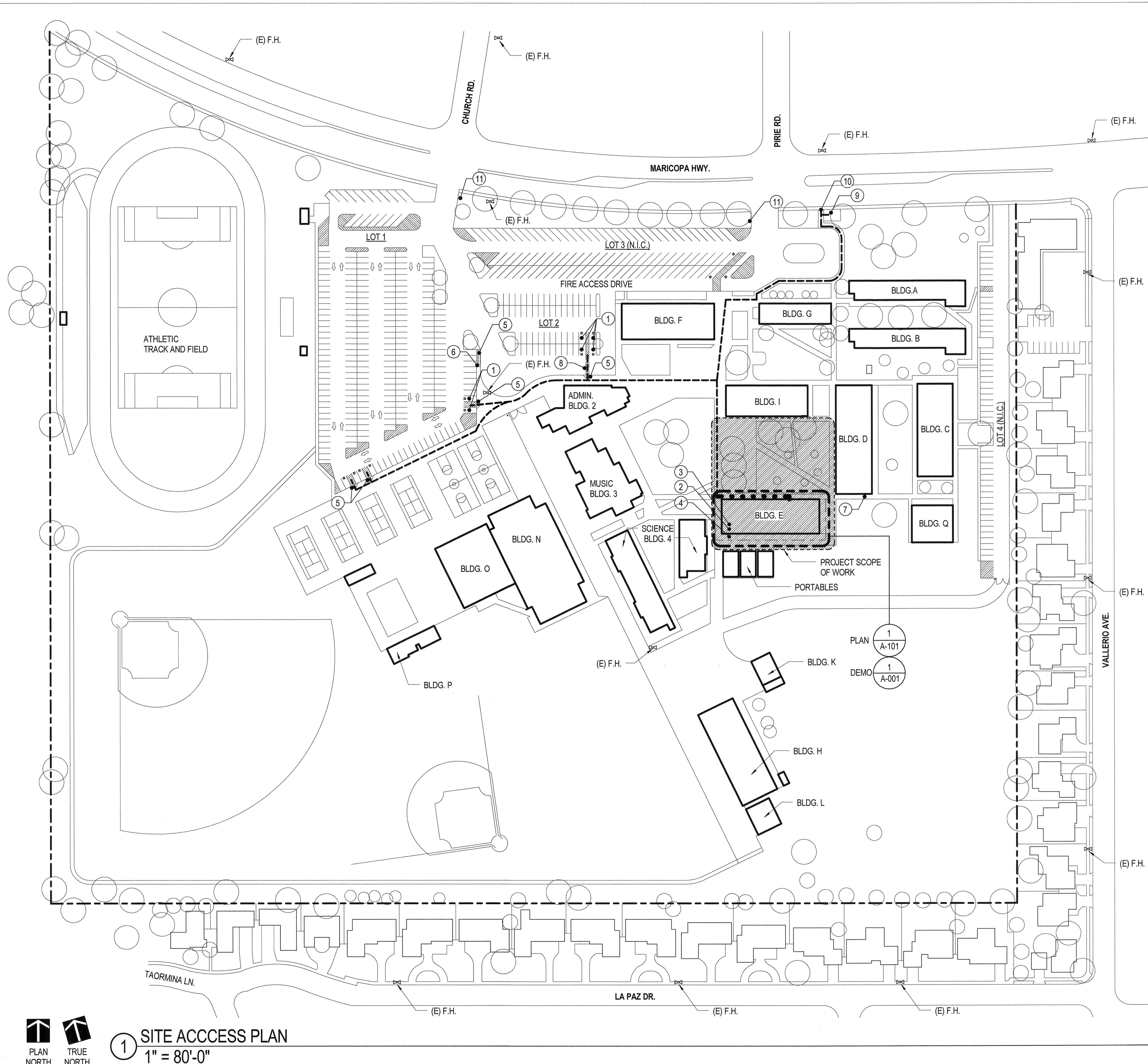
Sheet Name

Date: 17770.00
 04/12/18

Drawn by: JR
 Checked by: CY

Sheet Number
G-101

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GENERAL NOTES

- ALL GRATINGS IN PATH OF TRAVEL SHALL HAVE GAPS NO GREATER THAN 1/2" IN THE DIRECTION OF TRAVEL.
- ALL EXISTING BUILDINGS (TABLE BELOW), PARKING LOTS, PATHS OF TRAVEL (100842 AND 103668, SANITARY FACILITIES, DRINKING FOUNTAINS, SIGNAGE & PUBLIC TELEPHONES DSA CERTIFIED UNDER PREVIOUS DSA APPROVED PROJECTS.

LEGEND

- PROPERTY LINE
 - ASSUMED PROPERTY LINE (10')
 - NEW ACCESSIBLE PATH OF TRAVEL TO RIGHT OF WAY
 - EXISTING ACCESSIBLE PATH OF TRAVEL (A# 03-103668)
 - SCOPE OF WORK
- ① (E) ACCESSIBLE PARKING, REPAIR SIGNAGE ON (E) POLE. REFER TO 19/AS-3.2
 - ② ACCESSIBLE BOYS & GIRLS TOILET ROOM - PART OF SCOPE OF WORK
 - ③ ACCESSIBLE MEN'S & WOMEN'S TOILET ROOM - PART OF SCOPE OF WORK
 - ④ ACCESSIBLE DRINKING FOUNTAIN - PART OF SCOPE OF WORK
 - ⑤ (E) CURB RAMP, PROVIDE TRUNCATED DOMES.
 - ⑥ (E) LOADING ZONE, PROVIDE (N) SIGNAGE ON (E) POLE. REFER TO 19/AS-3.2
 - ⑦ (E) ACCESSIBLE DRINKING FOUNTAIN.
 - ⑧ EXTEND STRIPED AREA.
 - ⑨ (E) PUBLIC TRANSPORTATION STOP
 - ⑩ (E) ACCESS TO PUBLIC WAY
 - ⑪ TOW-AWAY SIGN. REFER TO DETAIL 20/AS-3.2

ACCESSIBLE P.O.T. NOTES

ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:12 OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAX. AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5%, UNLESS OTHERWISE INDICATED. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM, AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80". ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.

THE PATH OF TRAVEL (P.O.T.) IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS, AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) 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 P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

EXISTING STRUCTURES

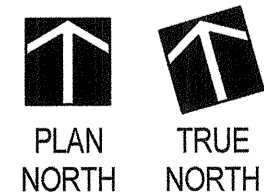
BUILDING	SQ. FT.	DATE OF CONSTRUCTION	A#
BUILDING - A	7,100	1954 / 1962	12702 / 22425
BUILDING - B	7,100	1954	12702
BUILDING - C	11,500	1965	1965
BUILDING - D	13,100	1958	17244
BUILDING - E	11,420	1965	26663
BUILDING - F	11,350	1965	26663
BUILDING - H	12,500	1959 / 1962	19088 / 22425
BUILDING - I	8,350	1958 / 1965	17244 / 26663
BUILDING - K	1,700	1962	14047 / 22425
BUILDING - L	2,600	1978	41727
BUILDING - N	19,200	1965	26663
BUILDING - O	8,600	1958 / 1965 / 1975	17244 / 26663 / 38196
BUILDING - P	1,850	1961	21282
BUILDING - Q	4,550	1993	59160
PORTABLES	3,000	1998	100842
BUILDING 2 (ADMINISTRATION)	6,650	2002	103668
BUILDING 3 (MUSIC)	8,830	2002	103668
BUILDING 4A (SCIENCE)	9,050	2002	103668
BUILDING 4B (SCIENCE)	5,200	2002	103668

PARKING ANALYSIS

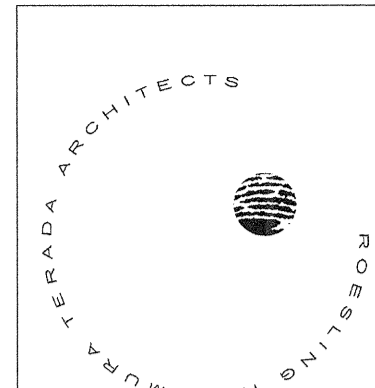
LOT	TYPE	EXISTING	REQUIRED	PROVIDED
LOT 1	PARKING	242 SPACES	242 SPACES	242 SPACES
	ACCESSIBLE PARKING	006 SPACES	006 SPACES	006 SPACES
	ACCESSIBLE VAN PARKING	003 SPACES	003 SPACES	003 SPACES
LOT 2	PARKING	48 SPACES	48 SPACES	48 SPACES
	ACCESSIBLE PARKING	04 SPACES	04 SPACES	04 SPACES
	ACCESSIBLE VAN PARKING	00 SPACES	00 SPACES	00 SPACES

1 SITE ACCESS PLAN

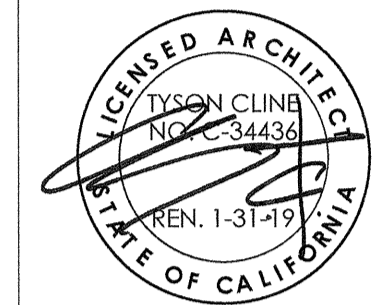
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 FILE NO. 56-HB
03-118819
 AC. M. FL. AC. SS. M.
 DATE: FEB 06 2019

OJAI UNIFIED SCHOOL DISTRICT

NORDHOFF HIGH SCHOOL - LIBRARY - REMODEL

QUAD

1401 MARICOPA HWY.
 OJAI, CA 93023

CONSTRUCTION DOCUMENTS

No.	Description	Date

SITE ACCESS PLAN

Date: 17770.00
 04/12/18
 Drawn by: JR
 Checked by: CY
 Sheet Number

G-102

GENERAL GRADING NOTES

- GRADING SUPERVISION REQUIREMENTS SHALL BE COMPLIED WITH AS FOLLOWS:
 - LINE AND GRADE STAKES SHALL BE SET BY A CALIFORNIA LICENSED SURVEYOR HIRED BY THE CONTRACTOR UNDER THE GENERAL SUPERVISION OF THE DISTRICT'S REPRESENTATIVE.
 - UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL PREPARE RECORD DRAWINGS AND SUBMIT A REPORT INDICATING THAT THE IMPROVEMENTS HAVE BEEN COMPLETED IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.
 - THE DISTRICT'S REPRESENTATIVE AND/OR THE DISTRICT'S GEOTECHNICAL ENGINEER SHALL PROVIDE GENERAL REVIEW OF THE GRADING AND SUBGRADE PREPARATION, PERFORM COMPACTION TESTING, MEASURE THE THICKNESS OF PAVEMENT AND BASE DURING CONSTRUCTION, TEST AND REVIEW THE QUALITY OF PAVEMENT AND BASE, ETC.
- NOISE GENERATING CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO THE HOURS OF 7:30 AM TO 5:00 PM, MONDAY THROUGH FRIDAY. CONSTRUCTION EQUIPMENT MAINTENANCE SHALL BE LIMITED TO THE SAME HOURS. STATIONARY CONSTRUCTION EQUIPMENT THAT GENERATES NOISE WHICH EXCEEDS 65 dBA AT THE PROJECT BOUNDARIES SHALL BE SHIELDED TO THE DISTRICT'S SATISFACTION AND SHALL BE LOCATED AT A MINIMUM OF 50 FEET FROM OCCUPIED BUILDINGS.
- THE GROUND SURFACE IN THE BUILDING AND SURFACE IMPROVEMENT AREAS SHALL BE PREPARED FOR CONSTRUCTION BY REMOVING SURFACE AND UNDERGROUND IMPROVEMENTS, I.E. PIPELINES, CONDUITS, ETC., VEGETATION, LARGE ROOTS, DEBRIS, AND OTHER DELETERIOUS MATERIALS. EXISTING UTILITY LINES THAT WILL NOT REMAIN IN SERVICE SHALL BE EITHER REMOVED OR ABANDONED, IF APPROVED BY THE DISTRICT'S REPRESENTATIVE.
- VOIDS CREATED BY THE REMOVAL OF MATERIALS OR UTILITIES DESCRIBED ABOVE SHALL BE CALLED TO THE ATTENTION OF THE DISTRICT'S REPRESENTATIVE. NO FILL SHALL BE PLACED UNLESS THE UNDERLYING SOIL HAS BEEN OBSERVED BY THE DISTRICT'S REPRESENTATIVE.
- FOLLOWING SITE PREPARATION, THE SOILS IN THE BUILDING AREA SHALL BE REMOVED TO A LEVEL PLANE AT A MINIMUM DEPTH OF 3 FEET BELOW THE EXISTING GROUND SURFACE OR TO A DEPTH OF 2 FEET BELOW THE LOWEST FOOTING ELEVATION, WHICHEVER IS DEEPER, AND TO MINIMUM 5 FEET OUTSIDE THE BUILDING FOOTPRINT. DURING CONSTRUCTION, LOCALLY DEEPER REMOVALS MAY BE REQUIRED BASED ON FIELD CONDITIONS. THE RESULTING SOIL SURFACE SHALL THEN BE SCARIFIED TO A MINIMUM DEPTH OF 8-INCHES, MOISTURE CONDITIONED TO WITHIN 2 PERCENT OF THE OPTIMUM MOISTURE CONTENT, AND COMPACTED TO MINIMUM 95 PERCENT COMPACTION PRIOR TO PLACING ANY FILL.
- FOLLOWING SITE PREPARATION, THE SOILS IN THE PAVEMENT SURFACE IMPROVEMENT AREA SHALL BE REMOVED TO A LEVEL PLANE AT A MINIMUM DEPTH OF 1-FOOT BELOW THE PROPOSED SUBGRADE ELEVATION OR 1-FOOT BELOW THE EXISTING GROUND SURFACE, WHICHEVER IS DEEPER, AND TO MINIMUM 3 FEET BEYOND THE PROPOSED PAVEMENT LIMITS. DURING CONSTRUCTION, LOCALLY DEEPER REMOVALS MAY BE REQUIRED, BASED ON FIELD CONDITIONS. THE RESULTING SOIL SURFACE SHALL THEN BE SCARIFIED TO A MINIMUM DEPTH OF 8-INCHES, MOISTURE CONDITIONED TO WITHIN 2 PERCENT OF THE OPTIMUM MOISTURE CONTENT, AND COMPACTED TO MINIMUM 95 PERCENT COMPACTION PRIOR TO PLACING ANY FILL.
- VOIDS CREATED BY DISLODGING COBBLES AND/OR DEBRIS DURING SCARIFICATION SHALL BE BACKFILLED AND COMPACTED, AND THE DISLODGED MATERIALS SHOULD BE REMOVED FROM THE AREA OF WORK.
- ON-SITE MATERIAL AND APPROVED IMPORT MATERIALS MAY BE USED AS GENERAL FILL. FILL SHALL BE PLACED IN LEVEL LIFTS NOT EXCEEDING 8 INCHES IN LOOSE THICKNESS, MOISTURE CONDITIONED TO A MINIMUM OF OPTIMUM MOISTURE CONTENT OF 95 PERCENT OF MAXIMUM DRY DENSITY. THE UPPER 1-FOOT OF SUBGRADE AND ALL AGGREGATE BASE AREAS TO BE PAVED WITH ASPHALT CONCRETE OR PORTLAND CEMENT CONCRETE SHALL BE COMPACTED TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY. SUBGRADE AND AGGREGATE BASE SHALL BE FIRM AND UNYIELDING WHEN PROOF-ROLLED WITH HEAVY, RUBBER-TIRED GRADING EQUIPMENT PRIOR TO CONTINUING CONSTRUCTION.
- EARTH MOVING AND WORKING OPERATIONS SHALL BE CONTROLLED TO PREVENT WATER FROM RUNNING INTO EXCAVATED AREAS. EXCESS WATER SHALL BE PROMPTLY REMOVED AND THE SITE KEPT DRY. FILL MATERIAL SHALL NOT BE PLACED, SPREAD, OR ROLLED DURING UNFAVORABLE WEATHER CONDITIONS. WHEN THE WORK IS INTERRUPTED BY HEAVY RAIN, FILL OPERATIONS SHALL NOT BE RESUMED UNTIL FIELD TESTS BY THE DISTRICT'S REPRESENTATIVE INDICATE THAT THE MOISTURE CONTENT AND DENSITY OF THE FILL ARE ABLE TO BE PLACED AND MEET THE REQUIRED COMPACTION.
- WHEN THE MOISTURE CONTENT OF THE FILL MATERIAL IS NOT SUFFICIENT TO ACHIEVE REQUIRED COMPACTION, WATER SHALL BE ADDED UNTIL THE SOILS ATTAIN A MOISTURE CONTENT SO THAT THOROUGH BONDING IS ACHIEVED DURING THE COMPACTION PROCESS. WHEN THE MOISTURE CONTENT OF THE FILL MATERIAL IS EXCESSIVE, THE FILL MATERIAL SHALL BE AERATED BY BLADING OR OTHER SATISFACTORY METHODS UNTIL THE MOISTURE CONTENT IS REDUCED TO AN ACCEPTABLE CONTENT TO ACHIEVE PROPER COMPACTION.
- IMPORT SOILS SHALL BE GRANULAR NON-EXPANSIVE SOILS WHICH ARE EQUAL TO OR SUPERIOR IN QUALITY TO THE ON SITE SOILS AS DETERMINED BY THE DISTRICT'S REPRESENTATIVE PRIOR TO IMPORTATION OF THE FILL MATERIAL TO THE SITE.
- THE COMPACTION STANDARD SHALL BE THE ASTM D 1557-12 METHOD OF COMPACTION AND THE LATEST EDITION.
- BEFORE BEGINNING WORK REQUIRING EXPORTING OR IMPORTING MATERIALS, THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE CITY OF OJAI AND COUNTY OF VENTURA PUBLIC WORKS ROAD DIVISION FOR HAUL ROUTES USED AND METHODS PROVIDED TO MINIMIZE THE DEPOSIT OF SOILS ON CITY AND COUNTY ROADS.
- FILL MATERIAL SHALL BE SPREAD IN LIFTS NOT EXCEEDING 8" IN LOOSE THICKNESS, MOISTENED OR DRIED AS NECESSARY TO NEAR OPTIMUM MOISTURE CONTENT AND COMPACTED BY AN APPROVED METHOD. FILL MATERIAL SHALL BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557-12 MODIFIED PROCTOR (AASHTO) TEST OR SIMILAR APPROVED METHODS. SOILS TESTS SHALL BE CONDUCTED AT NOT LESS THAN FOR EACH 18" OF FILL AND/OR FOR EACH 500 CUBIC YARDS OF FILL PLACED.

GENERAL GRADING NOTES (CONT.)

- SURFACE DRAINAGE SHALL BE PROVIDED AT A MINIMUM OF 5% FOR 10 FEET AWAY FROM THE FOUNDATION LINE OR ANY STRUCTURE, OR OTHERWISE SHOWN ON THE GRADING PLANS.
- NO GRADING SHALL OCCUR UNLESS APPROVED EROSION CONTROL AND SEDIMENT CONTROL MEASURES ARE IN PLACE. DISCHARGES OF SEDIMENT FROM THE PROJECT SITE MAY RESULT IN A "STOP WORK ORDER".
- CONTRACTOR TO REVIEW THE GRADING AND DRAINAGE PLAN FOR PAVEMENT GRADES AND CONTOURS AND MAKE ADJUSTMENTS FROM THE APPROVED GRADING DESIGN AFTER RECEIVING THE DISTRICT'S REPRESENTATIVE'S APPROVAL.
- SEE ELECTRICAL PLAN FOR REMOVAL/DEMOLITION OF ALL EXISTING SITE LIGHTING AND ELECTRICAL AND TELECOMMUNICATION SYSTEMS.

TRENCHING AND BACKFILLING NOTES

- WATER ENCOUNTERED IN TRENCH OR STRUCTURE EXCAVATION SHALL BE REMOVED BY THE CONTRACTOR TO THE SATISFACTION OF THE DISTRICT'S REPRESENTATIVE TO PROVIDE DRY CONDITIONS DURING CONSTRUCTION OF PIPE OR STRUCTURE.
- TRENCH OR STRUCTURE EXCAVATION SUBGRADE SHALL BE OBSERVED BY THE DISTRICT'S REPRESENTATIVE PRIOR TO PLACEMENT OF BEDDING MATERIAL OR FORMS. WET OR UNSTABLE SOIL ENCOUNTERED IN THE BOTTOM OF THE EXCAVATION AND DEEMED BY THE DISTRICT'S REPRESENTATIVE TO BE INCAPABLE OF PROPERLY SUPPORTING THE PIPE OR STRUCTURE BEING CONSTRUCTED, SHALL BE REMOVED TO THE DEPTH RECOMMENDED BY THE DISTRICT'S REPRESENTATIVE AND THE EXCAVATION BACKFILLED TO THE BOTTOM OF THE PIPE OR STRUCTURE GRADE WITH SUITABLE MATERIAL RECOMMENDED BY THE DISTRICT'S REPRESENTATIVE.
- ALL WORK INVOLVING EXCAVATION FOR FIRE WATERLINE PIPES AND CONNECTIONS SHALL BE COMPLETED, OBSERVED AND APPROVED BY THE DISTRICT'S REPRESENTATIVE AND THE STRUCTURAL BACKFILL OBSERVED, TESTED FOR COMPACTION AND APPROVED BEFORE AGGREGATE BASE, PAVING OR OTHER PERMANENT SURFACE CONSTRUCTION MAY COMMENCE.
- ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH APPLICABLE HEALTH AND SAFETY LAWS, ORDINANCES, REGULATIONS, RULES, AND STANDARDS INCLUDING ALL REQUIREMENTS OF THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY AND OF CAL-OSHA.
- CONTRACTOR SHALL DESIGN, FURNISH, INSTALL, AND MAINTAIN SUCH SHEETING, SHORING, BRACING AND/OR OTHER PROTECTION PER CALOSHA STRICT REQUIREMENTS AND AS IS NECESSARY TO PREVENT FAILURE OF TRENCH.
- VERTICAL TRENCH SHORING SHALL CONFORM WITH THE ORDERS OF THE STATE OF CALIFORNIA, DIVISION OF INDUSTRIAL SAFETY (DIS) AND O.S.H.A. STANDARDS. CONTRACTOR SHALL HAVE D.I.S. EXCAVATION PERMIT (COPY TO COUNTY).

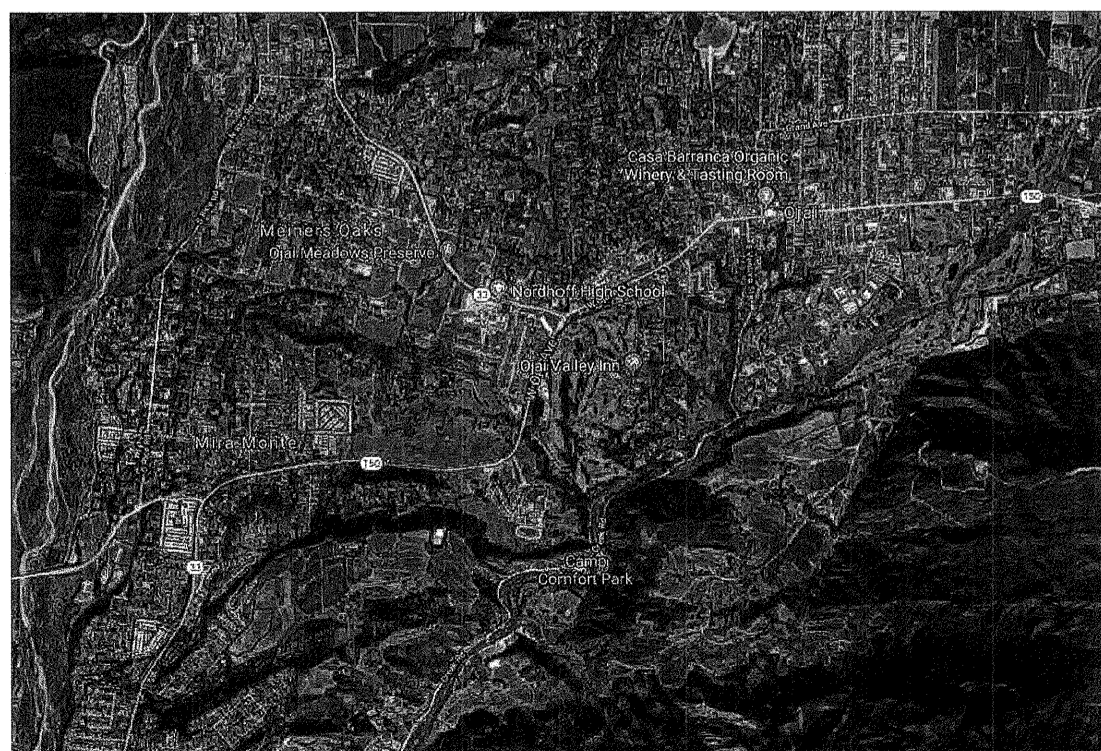
DUST CONTROL NOTES

- IN ADDITION TO THESE NOTES, THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL DUST AND EROSION CONTROL DURING THE ENTIRE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL UTILIZE DUST CONTROL METHODS ON ANY DUST-PRODUCING CONDITION IN COMPLIANCE WITH REGULATIONS OF THE DISTRICT AND THE COUNTY OF VENTURA AIR POLLUTION CONTROL DISTRICT.
- AFTER CLEARING, GRADING, EARTH MOVING, EXCAVATION OR EMBANKMENT OPERATIONS ARE COMPLETED THE ENTIRE AREA OF DISTURBED SOIL IS TO BE TREATED TO PREVENT WIND PICKUP OF THE SOIL. THIS MAY BE ACCOMPLISHED BY: A. SEEDING AND WATERING UNTIL GRASS COVER IS GROWN. B. SPREADING SOIL BINDERS. C. WETTING THE AREA DOWN, SUFFICIENT TO FORM A CRUST ON THE SURFACE WITH REPEATED SOAKING AS NECESSARY TO MAINTAIN THE CRUST AND PREVENT DUST PICKUP BY THE WIND. D. OTHER METHODS APPROVED IN ADVANCE BY THE DISTRICT'S REPRESENTATIVE.
- WATERING OR APPLICATION OF SOIL BINDERS SHALL CONTINUE IN THE AMOUNTS NECESSARY TO CONTROL DUST UNTIL THE SITE IS SEEDED AND PLANTS ESTABLISHED.
- THE CONSTRUCTION CONTRACTOR SHALL DESIGNATE A PERSON(S) TO MONITOR THE DUST CONTROL PROGRAM AND TO ORDER INCREASED WATERING, AS NECESSARY, TO PREVENT TRANSPORT OF DUST OFFSITE. THEIR DUTIES SHALL BE FOR THE ENTIRE CONSTRUCTION DURATION, INCLUDING HOLIDAY AND WEEKEND PERIODS WHEN WORK MAY NOT BE IN PROGRESS.
- CONTRACTOR SHALL EMPLOY ALL LABOR, EQUIPMENT AND METHODS REQUIRED TO PREVENT HIS OPERATIONS FROM PRODUCING DUST IN AMOUNTS DAMAGING TO ADJACENT PROPERTY, CULTIVATED VEGETATION AND DOMESTIC ANIMALS OR CAUSING A NUISANCE TO PERSONS OCCUPYING BUILDINGS IN THE VICINITY OF THE JOB SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE CAUSED BY DUST FROM HIS GRADING OPERATION.

EROSION CONTROL NOTES

- IN ADDITION TO THESE NOTES, THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL EROSION CONTROL REQUIREMENTS FOR THE PROJECT CONSTRUCTION. THIS PLAN SHOWS THE MINIMUM REQUIREMENTS FOR EROSION CONTROL. CONTRACTOR SHALL CONSTRUCT ADEQUATE EROSION CONTROL MEASURES TO PREVENT SILT AND DEBRIS FROM EXITING THE CONSTRUCTION SITE AND/OR ENTERING THE NEARBY WATERS AND/OR STORM DRAIN SYSTEM.
- THE CONTRACTOR SHALL ENSURE ALL PROTECTION MEASURES ARE IN PLACE PRIOR TO THE RAINY SEASON. THE PROTECTION MEASURES MAY NEED TO BE INSTALLED DURING OTHER PARTS OF THE YEAR SHOULD RAIN BE IMMINENT.
- THE CONTRACTOR SHALL ADJUST THE LIMITS OF THE PROTECTION MEASURES AS HIS WORK PROGRESSES OR SHOULD THEY BE INADEQUATE TO CONTROL RUNOFF OF SILT-LADEN WATER.
- THE CONTRACTOR SHALL REMOVE SILT FROM ALL STORM DRAIN APPURTENANCES AND EROSION CONTROL DEVICES AFTER EACH RAIN.
- THE PROTECTION MEASURES MAY BE TEMPORARILY MOVED OUT OF THE CONTRACTOR'S WAY TO FACILITATE CONSTRUCTION, PROVIDED THEY ARE REINSTALLED PRIOR TO THE NEXT RAIN STORM.
- THE CONTRACTOR SHALL MODIFY HIS CREW OF THE INTENT OF THE PROTECTION MEASURES PRIOR TO THE START OF THE RAINY SEASON. THE CREW IS REQUIRED TO MONITOR THE EFFECTIVENESS OF THE SYSTEM AND ALERT THE CONTRACTOR OF ANY FAILURES OR PROBLEMS.
- STAGING, REFUELING OF EQUIPMENT AND STORAGE OF MATERIALS AREAS MAY CHANGE THROUGHOUT CONSTRUCTION, AS REQUIRED. THE AREAS SHALL BE INSPECTED FREQUENTLY TO ENSURE NO SPILLED HAZARDOUS MATERIALS CONTAMINATE THE GROUND. SHOULD THIS OCCUR, THE SPILL SHALL BE CLEANED UP IMMEDIATELY. REFUELING OF EQUIPMENT AND STORAGE OF HAZARDOUS MATERIALS SHALL NOT BE LOCATED NEAR STORM DRAIN INLETS, EXISTING BUILDINGS, OR DRAINAGE SWALES.
- CONTRACTOR SHALL ROUTINELY INSPECT AND MAINTAIN ALL EROSION CONTROL DEVICES IN WORKING CONDITION, AND SATISFACTORY TO THE GOVERNING AGENCIES AND PER DISTRICT'S REQUIREMENTS.
- CONTRACTOR SHALL PREVENT TRACKING OF MUD ONTO ADJACENT ROADS.
- CONTRACTOR SHALL CONSTRUCT A CONCRETE WASHOUT AREA PER THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD EROSION AND SEDIMENT CONTROL FIELD MANUAL. LOCATION TO BE COORDINATED WITH AND APPROVED BY THE DISTRICT'S REPRESENTATIVE.
- BEST MANAGEMENT PRACTICES FOR CONSTRUCTION ACTIVITIES: ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES, OR WIND. STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER. FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MAY NOT BE WASHED INTO THE NEARBY WATERS OR DRAINAGE SYSTEM. EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS, SUCH AS CONCRETE WASHOUT BASINS, MUST BE MADE TO RETAIN CONCRETE WASTES ON-SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE. TRASH AND CONSTRUCTION RELATED SOLID WASTE MUST BE DEPOSITED INTO A COVERED WASTE RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND. SEDIMENTS AND OTHER MATERIAL MAY NOT BE TRACKED FROM THE SITE BY VEHICULAR TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC ROADWAY. ACCIDENTAL DEPOSITION MUST BE SWEEP UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS. ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO MINIMIZE EROSION BY WIND AND WATER.

LOCATION & VICINITY MAP



OWNER/APPLICANT

OJAI UNIFIED SCHOOL DISTRICT
 (805) 640-4300
 414 EAST OJAI AVENUE
 OJAI, CA 93023

BENCH MARK DATA

HORIZONTAL DATUM: NAD 83 (US FEET)
 VERTICAL DATUM: NAVD 88 (US FEET)

TOPOGRAPHY DATA

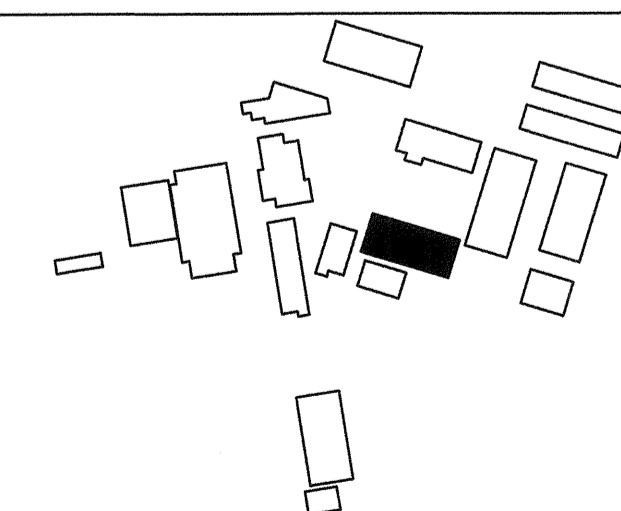
PERFORMED BY:
 WM SURVEYS INC.
 WILLIAM L. MEAGHER, LS 5948
 2747 SHERWIN AVE. #12
 VENTURA, CA 93003

DATE OF SURVEY: NOVEMBER 21, 2017

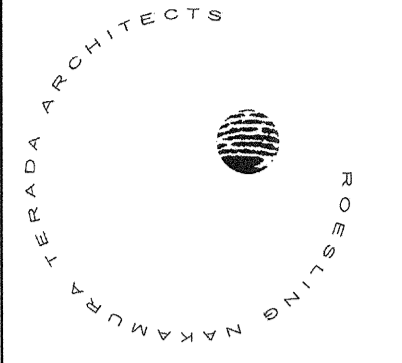
CAUTION

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KEY PLAN

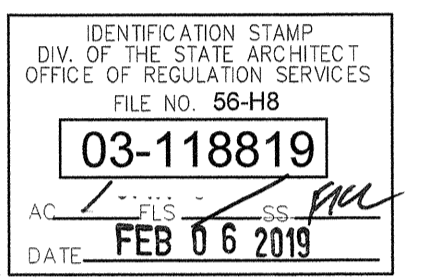
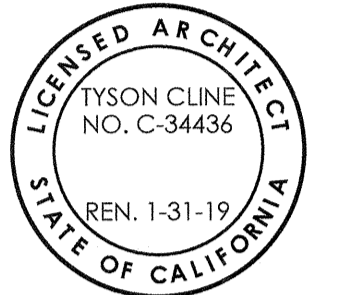


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CONSTRUCTION
 DOCUMENTS

No.	Description	Date

Sheet Name

GENERAL
 NOTES

17770.00

Date 08/10/18

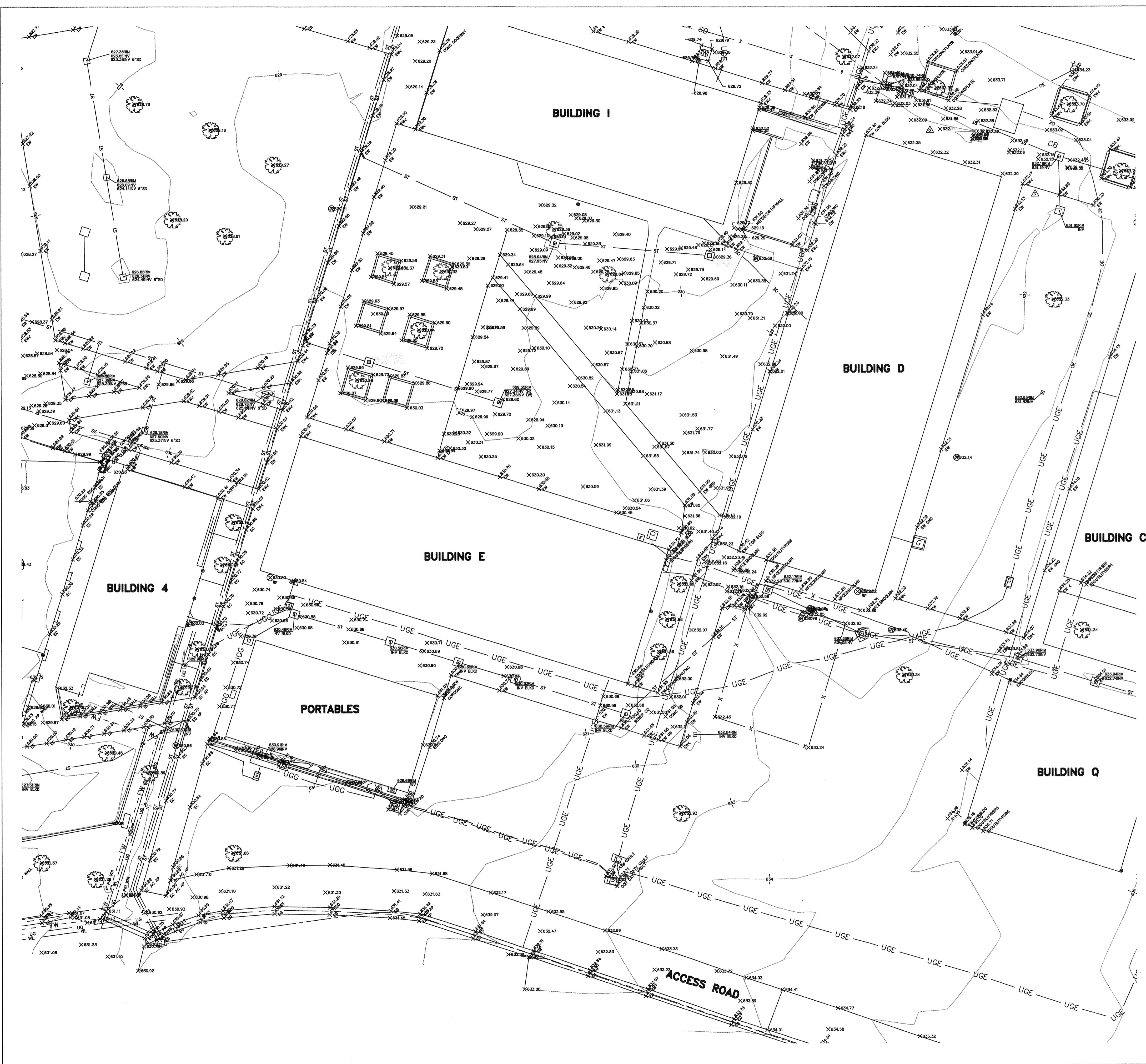
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Checked by SW

Sheet Number

C-001

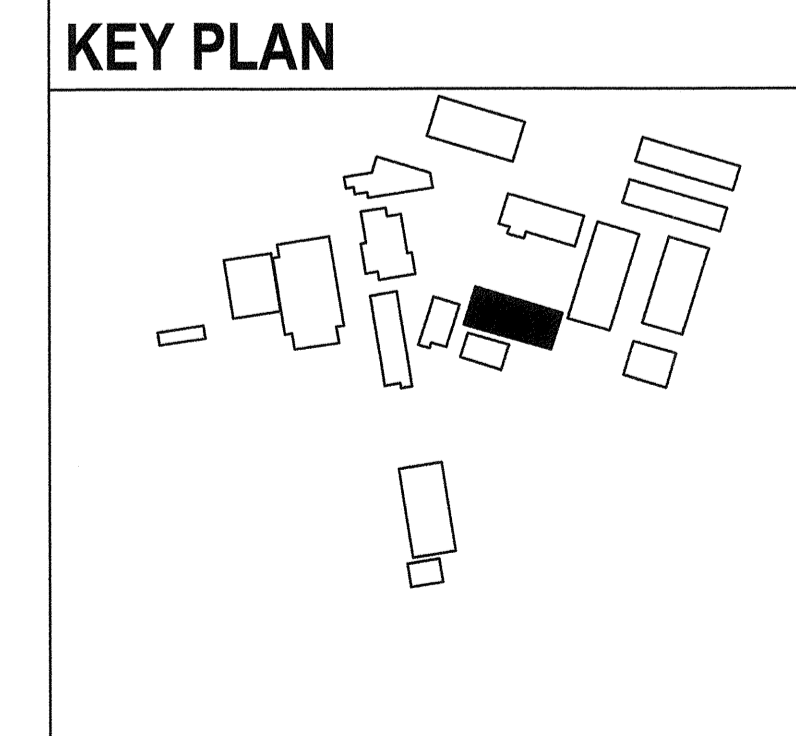
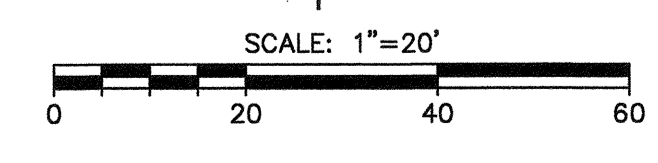
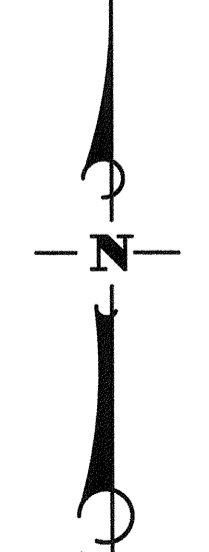
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SURVEY NOTES

- 1. MAPPING**
MAPPING IS SUPPLEMENTED BY DATA COLLECTED IN A FIELD SURVEY USING CONVENTIONAL METHODS AND PROCEDURES BY WM SURVEYS INC., DATED NOVEMBER 30, 2017.
- 2. BASIS OF BEARINGS AND COORDINATES**
HORIZONTAL COORDINATE BASIS IS NAD 83.
- 3. ELEVATIONS**
ELEVATIONS SHOWN HEREON ARE EXPRESSED IN U.S. SURVEY FEET AND ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- 4. UTILITIES**
SURFACE AND UNDERGROUND UTILITY FEATURES SHOWN HEREON HAVE BEEN LOCATED IN A FIELD SURVEY PERFORMED BY WM SURVEYS INC. BASED ON VISIBILITY ON THE DATE OF SURVEY. NO RESEARCH OR MAPPING OF SUBSURFACE UTILITIES HAS BEEN PERFORMED.

CAUTION
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03-118819
DATE FEB 06 2019

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DISTRICT**

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CONSTRUCTION
DOCUMENTS

No.	Description	Date

Sheet Name

**SITE
TOPOGRAPHIC
MAP**

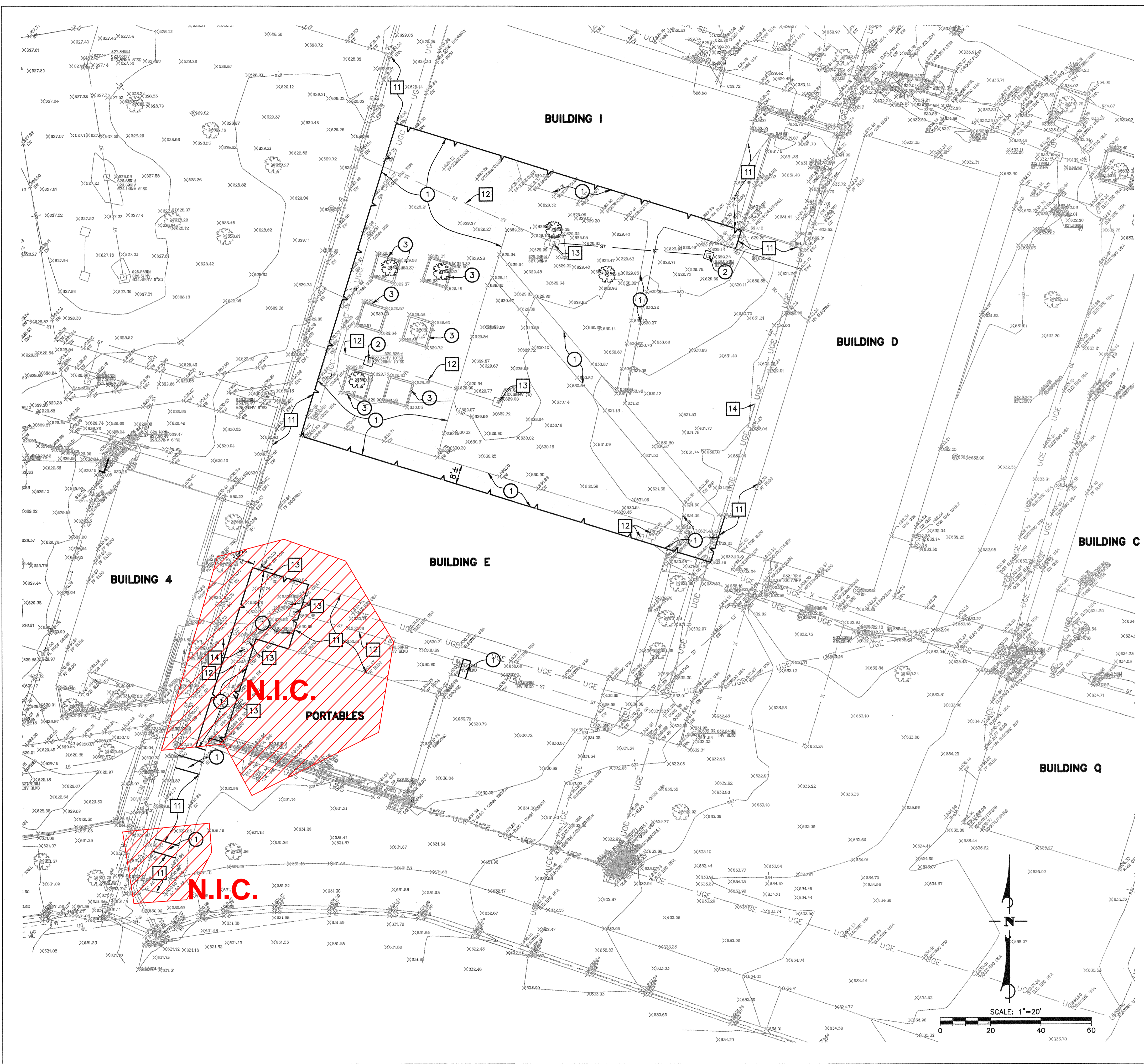
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08/10/18

Drawn by WF
Checked by SW

Sheet Number

C-002

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LEGEND

[Symbol]	REMOVE P.C. CONCRETE	[Symbol]	PERFORATED DRAIN
[Symbol]	SAWCUT LINE	[Symbol]	P.L. PROPERTY LINE
[Symbol]	UGC- UNDERGROUND GAS LINE	[Symbol]	RIM RIM ELEVATION
[Symbol]	UGE- UNDERGROUND ELECTRICAL CONDUIT	[Symbol]	R.O.W. RIGHT OF WAY
[Symbol]	UGC- UNDERGROUND COMMUNICATION CONDUIT	[Symbol]	TC TOP OF CURB
[Symbol]	ST- EXISTING STORM DRAIN	[Symbol]	TG TOP OF GRADE
[Symbol]		[Symbol]	TW TOP OF WALL ELEV.
[Symbol]		[Symbol]	(TYP.) TYPICAL
[Symbol]		[Symbol]	(W) WEST

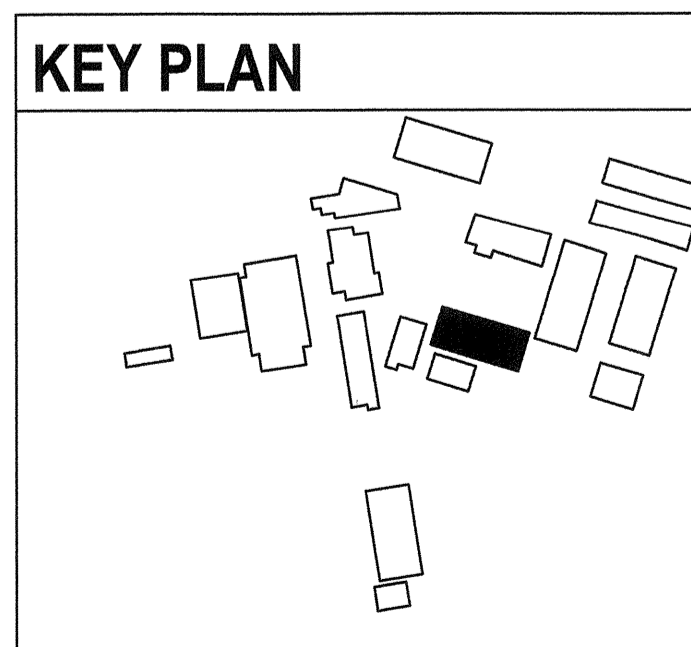
- GENERAL NOTES:**
- SEE LANDSCAPE PLANS FOR TREE PROTECTION, REMOVAL, AND PLANTING DETAILS.
 - SEE IRRIGATION PLANS FOR IRRIGATION WATERLINE AND FEATURES REMOVAL, PROTECTION, AND CONSTRUCTION DETAILS.
 - SEE ELECTRICAL PLAN FOR SITE LIGHTING REMOVAL, PROTECTION, AND CONSTRUCTION DETAILS.

- DEMOLITION REMOVAL NOTES:**
- SAWCUT EXISTING CONCRETE PAVEMENT AT EXISTING SCORE MARK / CONSTRUCTION JOINT AND REMOVE ENTIRE CONCRETE PAVEMENT PANEL AND DETECTABLE WARNING SURFACE TO ADEQUATE DEPTH FOR PROPOSED CONSTRUCTION, AND LEGALLY DISPOSE OF OFF-SITE.
 - REMOVE EXISTING STORM DRAIN PIPE AND CATCH BASIN COMPLETE, AND LEGALLY DISPOSE OF OFF-CAMPUS.
 - REMOVE EXISTING PLANTER WALLS COMPLETE, AND LEGALLY DISPOSE OF OFF-CAMPUS.

- DEMOLITION PROTECTION NOTES:**
- PROTECT EXISTING CONCRETE SIDEWALK IN PLACE.
 - VERIFY AND PROTECT EXISTING UTILITY LINES, BOXES, AND PADS IN PLACE, AND ADJUST TO MAINTAIN REQUIRED ADEQUATE COVER BELOW PROPOSED FINISH GRADE AND FINISH SURFACE.
 - ADJUST EXISTING MANHOLES, STORM DRAIN CATCH BASINS, METER BOXES, VALVE BOXES/CANS, ELECTRICAL VAULTS, FIRE HYDRANTS, GAS VALVE CANS, ETC. TO PROPOSED FINISH GRADE (TYP. FOR ALL UTILITIES WITHIN PROJECT LIMITS).
 - PROTECT EXISTING UNDERGROUND ELECTRICAL/COMMUNICATION CONDUITS IN PLACE.

CAUTION

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CONSTRUCTION DOCUMENTS

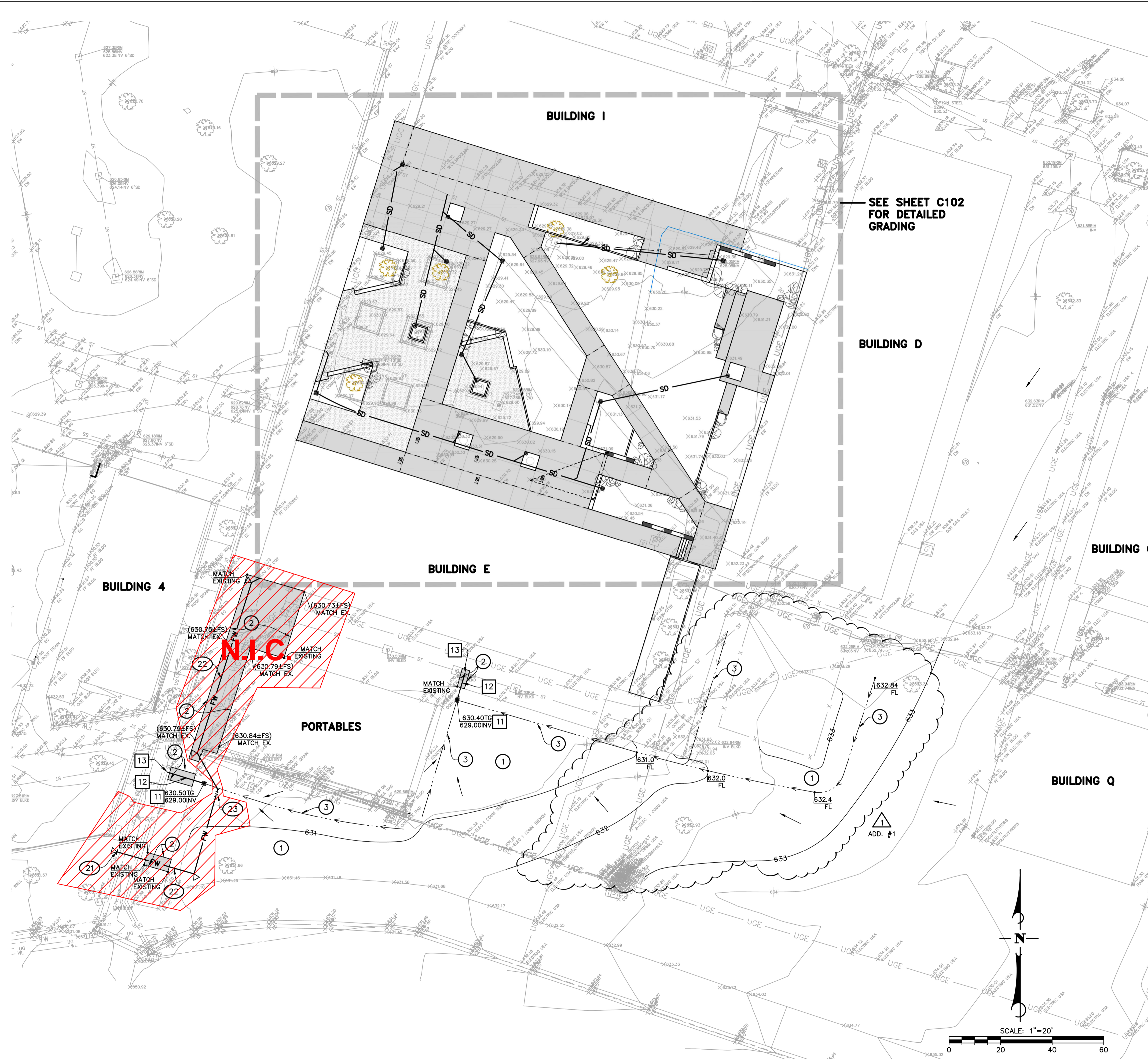
No.	Description	Date

Sheet Name

SITE DEMOLITION PLAN

17770.00
 Date 08/10/18
 Drawn by WF
 Checked by SW
 Sheet Number

C-100



LEGEND

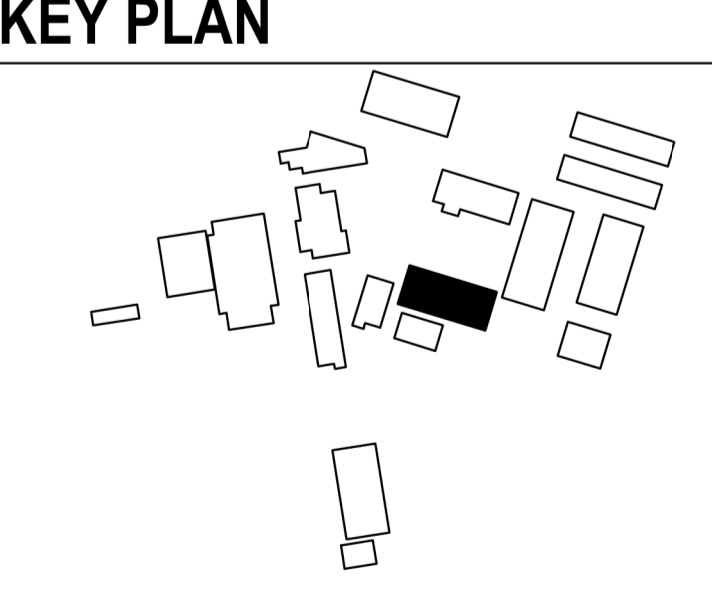
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	CONCRETE PAVEMENT	EP	EDGE OF PAVEMENT
	DECOMPOSED GRANITE	FG	FINISH GRADE
	ASPHALT CONCRETE	FL	FLOWLINE
	FLOW LINE	FS	FINISH SURFACE
	SAWCUT LINE	GB	GRADE BREAK
	GRADING CONTOURS	INV	INVERT ELEVATION
	RETAINING WALL	PL	PROPERTY LINE
		RL	RIM ELEVATION
		R.O.W.	RIGHT OF WAY
		TC	TOP OF CURB
		TG	TOP OF GRATE
		TW	TOP OF WALL

- GRADING CONSTRUCTION NOTES:**
- LANDSCAPE AREA SEE LANDSCAPE PLANS FOR DETAILS.
 - CONSTRUCT MIN. 4" THICK CONCRETE WALKWAY SEE LANDSCAPE PLAN LC-0.01 FOR DETAILS.
 - CONSTRUCT GRADED SWALE PER DETAIL "D" ON SHEET C-201.

- DRAINAGE CONSTRUCTION NOTES:**
- CONSTRUCT 12"x12" CATCH BASIN WITH PARKWAY GRATE, OLD CASTLE PRECAST OR EQUAL.
 - CONSTRUCT 6" DIA. HIGH DENSITY POLYETHYLENE (HDPE) STORM DRAIN LINE, ADS PRODUCT N-12 OR EQUAL, PER TRENCH DETAIL "A" ON SHEET C-201.
 - CONSTRUCT 6" DIA. HDPE WYE CONNECTION PER MANUFACTURER'S SPECIFICATIONS.

- WATERLINE CONSTRUCTION NOTES:**
- REMOVE PORTION OF EXISTING 4" DIA. FIRE WATERLINE AND CONSTRUCT 4"x4"x4" M/J TEE, 4" M/J VALVE AND VALVE CAN, AND CONCRETE THRUST BLOCK PER DETAIL "B" ON SHEET C-201.
 - CONSTRUCT 4" DIA. C900 DR14 PVC FIRE WATERLINE AND ALL NECESSARY FITTINGS PER TRENCH DETAIL "A" ON SHEET C-201, AND CONNECT TO BUILDING FIRE SPRINKLER SYSTEM PER FIRE SUPPRESSION PLANS.
 - CONSTRUCT 4" DOUBLE DETECTOR CHECK VALVE BACKFLOW PREVENTER, WILKINS PRODUCT 950DA OR EQUAL, WITH SIAMESE FIRE DEPARTMENT CONNECTION ON BUILDING SIDE OF BACKFLOW PREVENTER PER DETAIL "C" ON SHEET C-201.

CAUTION
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285 N Ventura Ave #102
Ventura, CA 93001
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www.RNTarchitects.com



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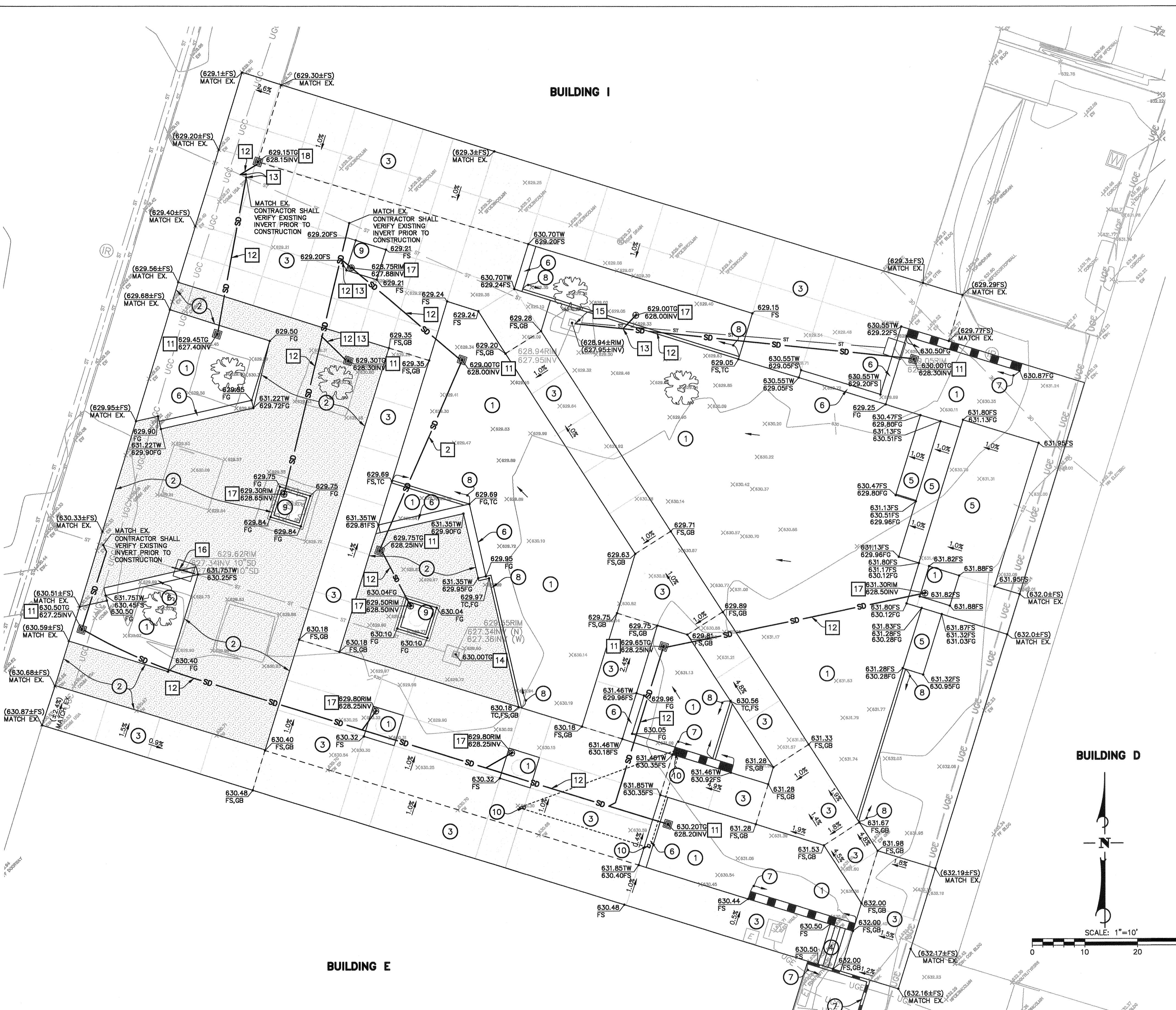
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17770.00
Date: 11/02/18
Drawn by: WF
Checked by: SW
Sheet Number

C-101

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LEGEND

- BUILDING
- DECOMPOSED GRANITE
- CONCRETE PAVEMENT
- FLOW LINE
- SAWCUT LINE
- GRADING CONTOURS
- RETAINING WALL
- STORM DRAIN
- CATCH BASIN
- ATRIUM GRATE CATCH BASIN
- ASPHALT CONCRETE
- EDGE OF PAVEMENT
- FINISH GRADE
- FLOWLINE
- FINISH SURFACE
- GRADE BREAK
- INVERT ELEVATION
- PROPERTY LINE
- RIM ELEVATION
- RIGHT OF WAY
- TOP OF CURB
- TOP OF GRATE
- TOP OF WALL

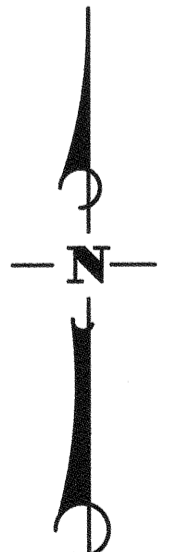
GRADING CONSTRUCTION NOTES:

- LANDSCAPE AREA SEE LANDSCAPE PLANS FOR DETAILS.
- CONSTRUCT DECOMPOSED GRANITE SURFACE SEE DETAIL "A" ON SHEET LC-2.01.
- CONSTRUCT MIN. 4" THICK CONCRETE WALKWAY SEE LANDSCAPE PLAN LC-0.01 FOR DETAILS.
- CONSTRUCT CONCRETE STEPS AND RAILING SEE ARCHITECTURAL PLANS FOR DETAILS.
- CONSTRUCT TERRACED SEATING AREA SEE LANDSCAPE PLAN LC-2.02 FOR DETAILS.
- CONSTRUCT SEAT WALL SEE DETAIL "E" ON SHEET LC-2.01.
- CONSTRUCT RETAINING WALL SEE DETAIL "D" ON SHEET LC-2.01.
- CONSTRUCT CONCRETE HEADER SEE DETAIL "F" ON SHEET LC-2.01.
- CONSTRUCT TREE GRATE SEE DETAIL "F" ON SHEET LC-2.02.
- CONSTRUCT STEEL TRELLIS POST SEE ARCHITECTURAL PLANS FOR DETAILS.

DRAINAGE CONSTRUCTION NOTES:

- CONSTRUCT 12"x12" CATCH BASIN WITH PARKWAY GRATE, OLD CASTLE PRECAST OR EQUAL.
- CONSTRUCT 6" DIA. HIGH DENSITY POLYETHYLENE (HDPE) STORM DRAIN LINE, ADS PRODUCT N-12 OR EQUAL, PER TRENCH DETAIL "A" ON SHEET C-201.
- CONSTRUCT 6" DIA. HDPE WYE CONNECTION PER MANUFACTURER'S SPECIFICATIONS.
- ADJUST FRAME AND GRATE OF EXISTING CATCH BASIN TO FINISH GRADE.
- CONNECT PROPOSED STORM DRAIN TO EXISTING CATCH BASIN.
- REMOVE EXISTING CATCH BASIN COMPLETE AND LEGALLY DISPOSE OF OFF-CAMPUS. CONTRACTOR TO VERIFY SIZE OF EXISTING PIPE AND CONSTRUCT HDPE STORM DRAIN LINE (EXISTING PIPE SIZE), ADS PRODUCT N-12 OR EQUAL, PER TRENCH DETAIL "A" ON SHEET C-201. CONNECT TO EXISTING STORM DRAIN WITH STEEL COUPLERS, SMITH-BLAIR PRODUCT OR EQUAL.
- CONSTRUCT 4" DIA. ATRIUM GRATE DRAIN, NDS DRAINAGE PRODUCT OR EQUAL, AND 4" SDR35 PVC RISER PIPE, AND CONNECT TO PROPOSED STORM DRAIN LINE.
- CONSTRUCT 12"x12" CATCH BASIN WITH TRAFFIC RATED, HEEL-PROOF GRATE, OLD CASTLE PRECAST OR EQUAL.

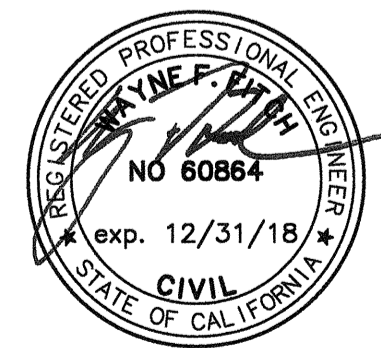
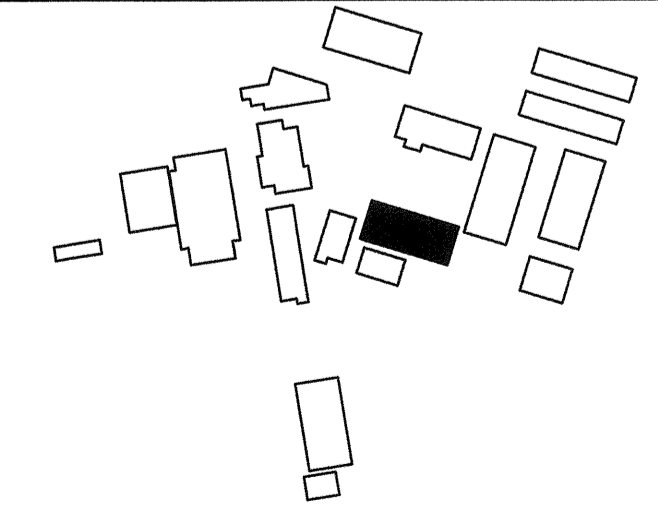
BUILDING D



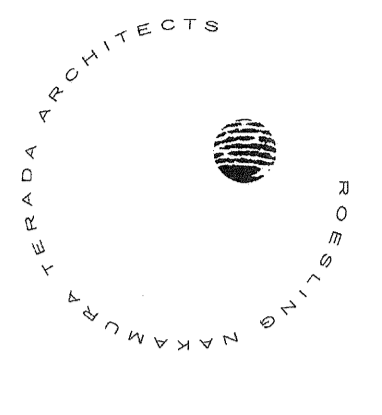
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KEY PLAN



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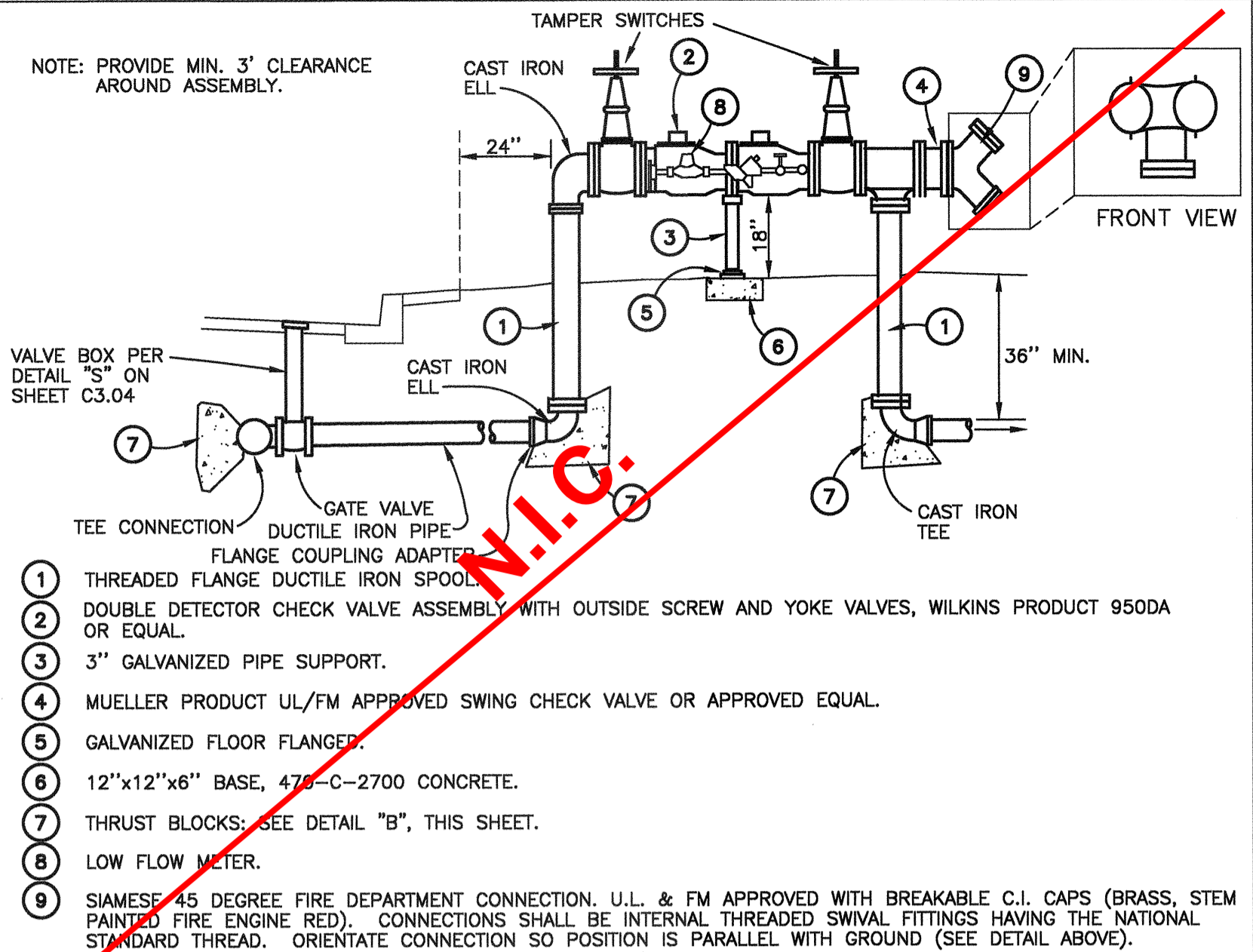
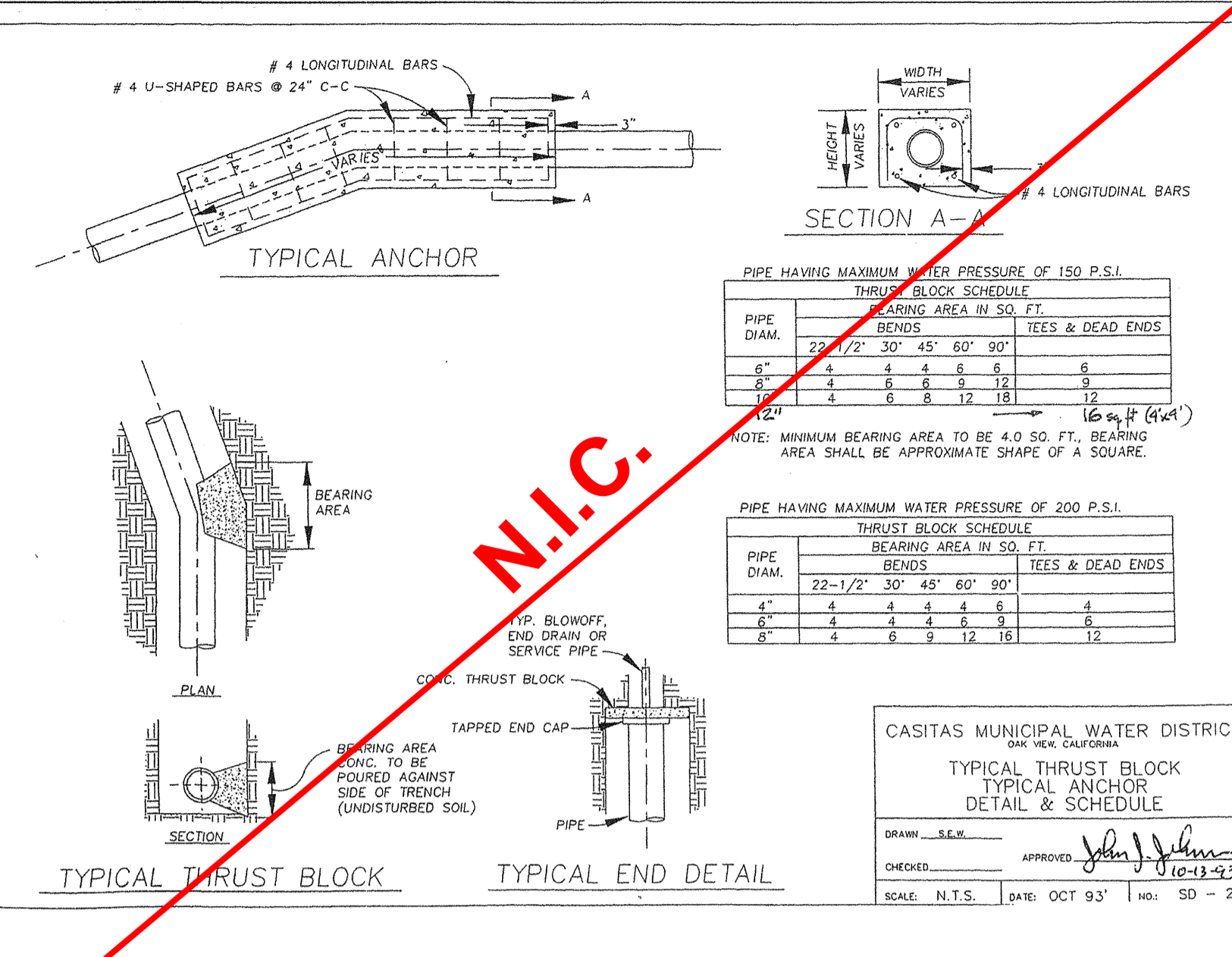
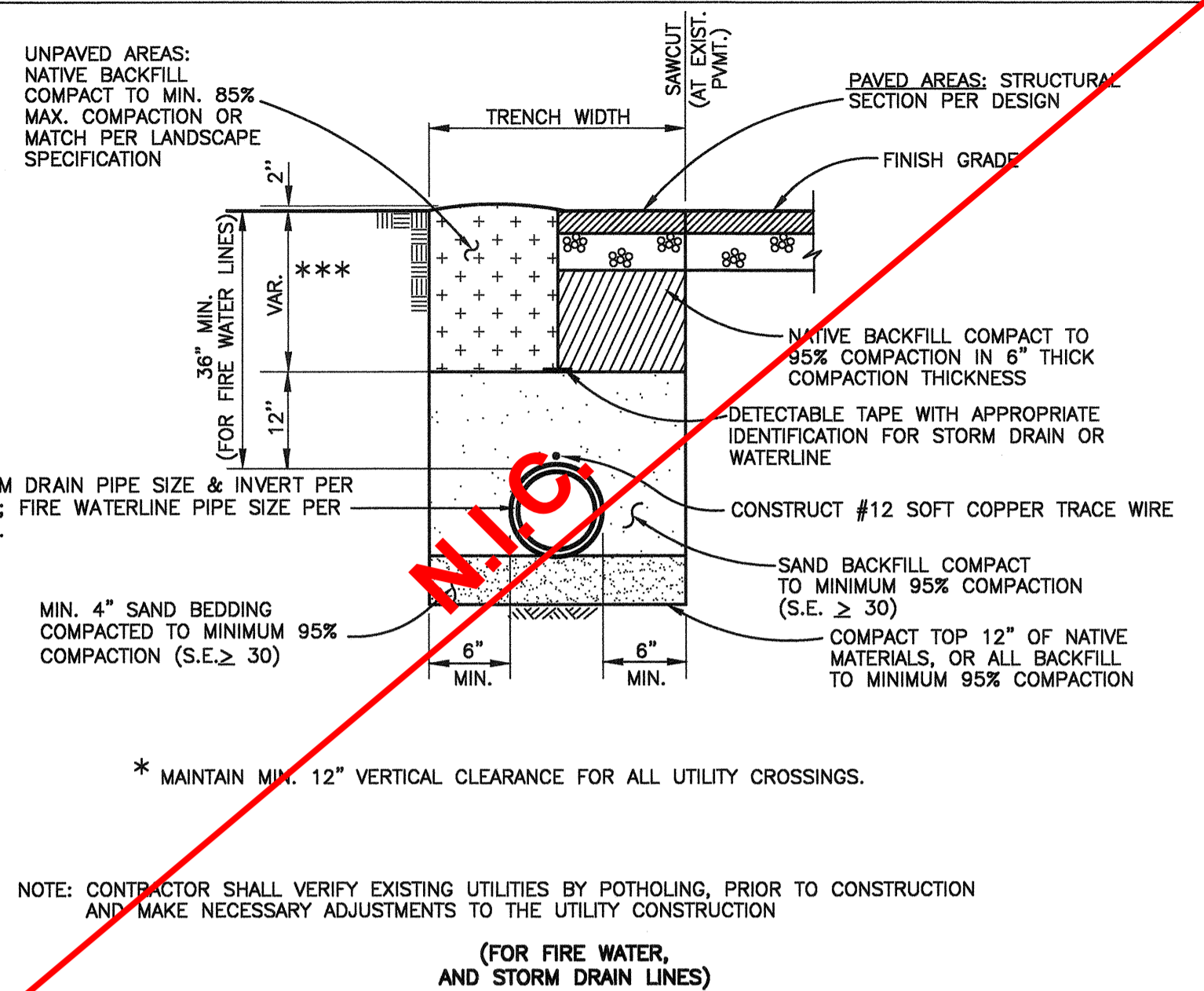
ENLARGED GRADING AND DRAINAGE PLAN

17770.00
Date 08/10/18

Drawn by WF
Checked by SW

Sheet Number

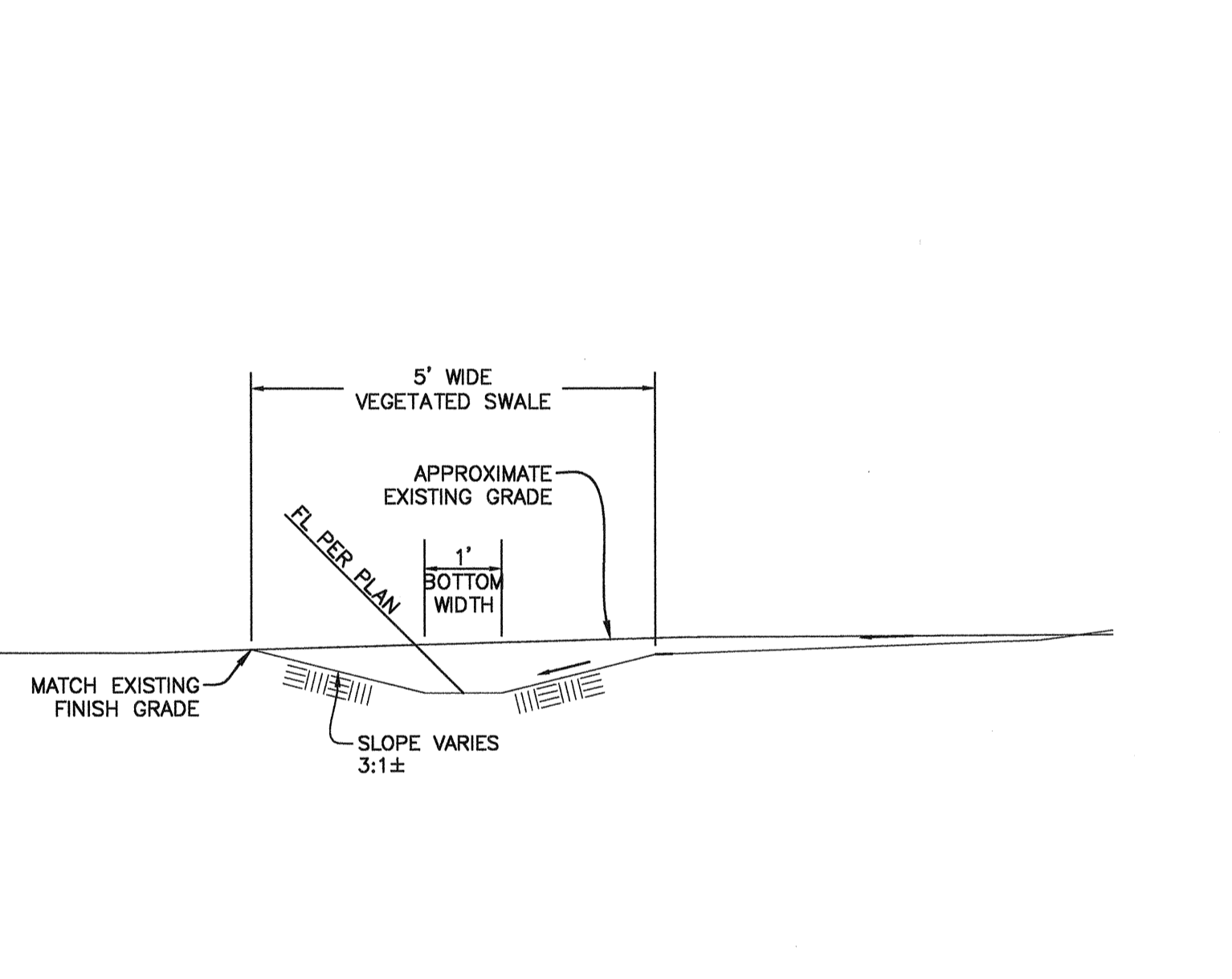
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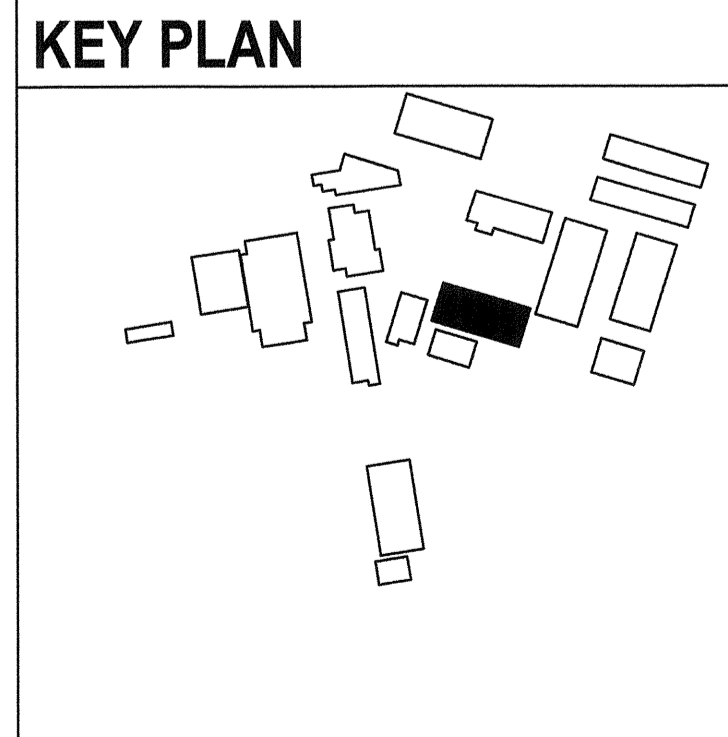
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TYPICAL THRUST BLOCK DETAIL NOT TO SCALE **B**

BACKFLOW PREVENTER NOT TO SCALE **C**



GRADED VEGETATED SWALE NOT TO SCALE **D**



REGISTERED PROFESSIONAL ENGINEER
NO 60864
exp. 12/31/18
CIVIL
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No.	Description	Date

Sheet Name
DETAILS

Date	17770.00
Drawn by	WF
Checked by	SW
Sheet Number	

C-201

PAVING SCHEDULE

ID#	ITEM	DESCRIPTION	DETAIL
P-1	CONCRETE PAVING	UNCOLORED CONCRETE WITH TOPCAST GRADE 3 FINISH. SAW CUT SCORE LINES. SEE LC-1.01 FOR HARDSCAPE AND SCORE LINE LAYOUT.	SEE ARCH
P-2	ENHANCED CONCRETE PAVING	UNCOLORED CONCRETE PAVEMENT WITH TOPCAST GRADE 50 FINISH. SAW CUT SCORE LINES. SEE LC-1.01 FOR HARDSCAPE AND SCORE LINE LAYOUT.	SEE ARCH
P-3	8" PLATFORMS WITH EMBEDDED BOULDERS	CONCRETE PLATFORMS WITH ENHANCED CONCRETE PAVING (P-2) FINISH ON ALL EXPOSED FACES. SEE CIVIL FOR PLATFORM SPOT ELEVATIONS.	D / LC-2.02
P-4	STAIRS WITH HANDRAIL, SEE ARCH	UNCOLORED CONCRETE PIP STAIRS WITH TOPCAST GRADE 3 FINISH.	SEE ARCH
P-5	METAL EDGING	METAL EDGING WITH 12" METAL STAKES PER MANUFACTURER SPECIFICATIONS.	C / LC-2.01
P-6	STABILIZED DECOMPOSED GRANITE	4" THICK DECOMPOSED GRANITE. BINDER TO BE NATRACIL ORGANIC BINDER, PRE-MIXED AT THE YARD PRIOR TO DELIVERY. PROVIDE 6" PERMALOC 'CLEANLINE XL' EDGE RESTRAINT BETWEEN DG AREA AND PLANTING AREAS. PROVIDE CONCRETE FLUSH HEADER BETWEEN DG AND TURF AREAS	A / LC-2.01
P-7	CONCRETE PAVING DOWELED INTO EXISTING CONCRETE	DOWEL PROPOSED CONCRETE TO EXISTING CONCRETE. SEE LC-1.01 FOR LAYOUT.	B / LC-2.01
P-8	SAW CUT SCORE LINE	SAW CUT SCORE LINES AS LAID OUT ON LC-1.01.	SEE ARCH
P-9	EXPANSION JOINT	EXPANSION JOINTS AS LAID OUT ON LC-1.01.	SEE ARCH
P-10	CONCRETE HEADER	UNCOLORED 6" x 8" AT GRADE CONCRETE HEADER WITH TOPCAST GRADE 3 FINISH.	F / LC-2.01

AMENITIES SCHEDULE

ID#	ITEM	DESCRIPTION	DETAIL
A-1	SANDSTONE BOULDERS	'SANTA BARBARA SANDSTONE' TAN BOULDERS FROM LOCAL SOURCE. 18" - 72" BOULDERS WITH SMOOTH ROUNDED FACES; NO SHARP FRACTURES. NO BOULDERS SMALLER THAN 18" IN ANY DIMENSION. SIZE PER PLAN DESIGNATION.	A / LC-2.02
A-2	SANDSTONE BOULDER IN SEATWALL	'SANTA BARBARA SANDSTONE' TAN BOULDERS FROM LOCAL SOURCE. 18" - 72" BOULDERS WITH SMOOTH ROUNDED FACES; NO SHARP FRACTURES. NO BOULDERS SMALLER THAN 18" IN ANY DIMENSION. SIZE PER PLAN DESIGNATION. BOULDER EMBEDDED IN CIP CONCRETE SEATWALL.	B / LC-2.02
A-3	STEEL ADA COMPLIANT TREE GRATE, 1/2' MAX. OPENINGS	IRONSMITH MODEL #7254 72"X72" MARKET STREET TREE GRATE WITH 18" OPENING IN 4 SECTIONS.	F / LC-2.01

WALL AND FENCE SCHEDULE

ID#	ITEM	DESCRIPTION	DETAIL
W-1	POURED IN PLACE CONCRETE RETAINING WALL	UNCOLORED POURED IN PLACE CONCRETE RETAINING SEATWALL WITH TOPCAST GRADE 50 FINISH.	D / LC-2.01
W-2	POURED IN PLACE RAISED RETAINING CURB	UNCOLORED POURED IN PLACE CONCRETE RETAINING CURB WITH TOPCAST GRADE 3 FINISH. SEE CIVIL PLANS FOR SPOT ELEVATION AND LOCATIONS.	SEE CIVIL
W-3	TWO SIDED POURED IN PLACE CONCRETE SEATWALL	UNCOLORED TWO SIDED POURED IN PLACE CONCRETE SEATWALL WITH TOPCAST GRADE 50 FINISH.	E / LC-2.01

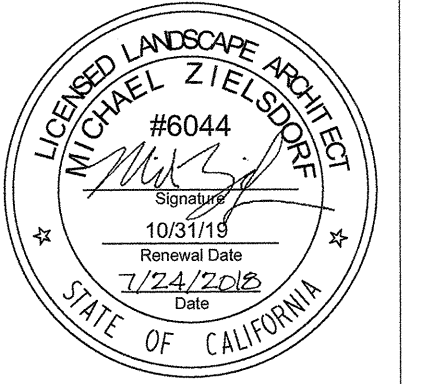
BOULDER SCHEDULE

ID#	ITEM	REMARKS	QTY - SIZE	DETAIL
A-1 & A2	SANDSTONE BOULDERS	18" - 72" DIA. LANDSCAPE BOULDER. PLACE PER PLAN W/DIRECTION OF LANDSCAPE ARCHITECT.	13 - 24"-36" 6 - 36"-48" 11 - 48"-60" 9 - 60"-72"	A&B / LC-2.02 A&B / LC-2.02 A&B / LC-2.02 A&B / LC-2.02

LANDSCAPE CONSTRUCTION NOTES:

- LAYOUT OF FORMS SHALL BE INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT OF RECORD 24 HOURS PRIOR TO POURING. INSPECTION PRIOR TO FORM CONSTRUCTION IS PREFERRED.
- ALL PAVING AREAS SHALL BE GRADED NOT TO EXCEED 2% CROSS SLOPE IN ANY DIRECTION. WALKWAY RUNNING SLOPES SHALL NOT EXCEED 5% SLOPE UNLESS AN ADA RAMP IS PROVIDED. SEE CIVIL ENGINEERING GRADING PLANS FOR PRECISE GRADING OF ALL PAVING.
- ALL CURVES ARE ARCS AND ALL ARC INTERSECTIONS ARE TANGENT.
- CONTRACTOR SHALL COORDINATE INSTALLATION OF ELECTRICAL CONDUIT, IRRIGATION PIPE, AND UTILITY BOXES TO AVOID CONFLICTS WITH FOOTING, DRAINAGE AREAS, OR INSTALLATION OF AMENITIES SUCH AS BOLLARDS, BOULDERS, BENCHES, AND ROOF DRAINS.
- BROOM FINISHES SHALL RUN PERPENDICULAR TO WALKS.
- FINISH GRADE IN PLANTER AREAS IS 3" BELOW ADJACENT FINISH SURFACE, TYPICAL.
- PRESERVE AND PROTECT ALL TREES THAT ARE TO REMAIN. DAMAGED TREES ARE TO BE REPLACED IN KIND AND SIZE BY CONTRACTOR. SEE TREE REMOVAL AND TREE PRESERVATION PLANS FOR MORE DETAIL.
- SEE 'CONSTRUCTION PLAN', SHEET LC1.01 FOR LAYOUT OF HARDSCAPE ELEMENTS & AMENITIES NOT DEFINED ON THE CIVIL PLANS.

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CONSTRUCTION DOCUMENTS

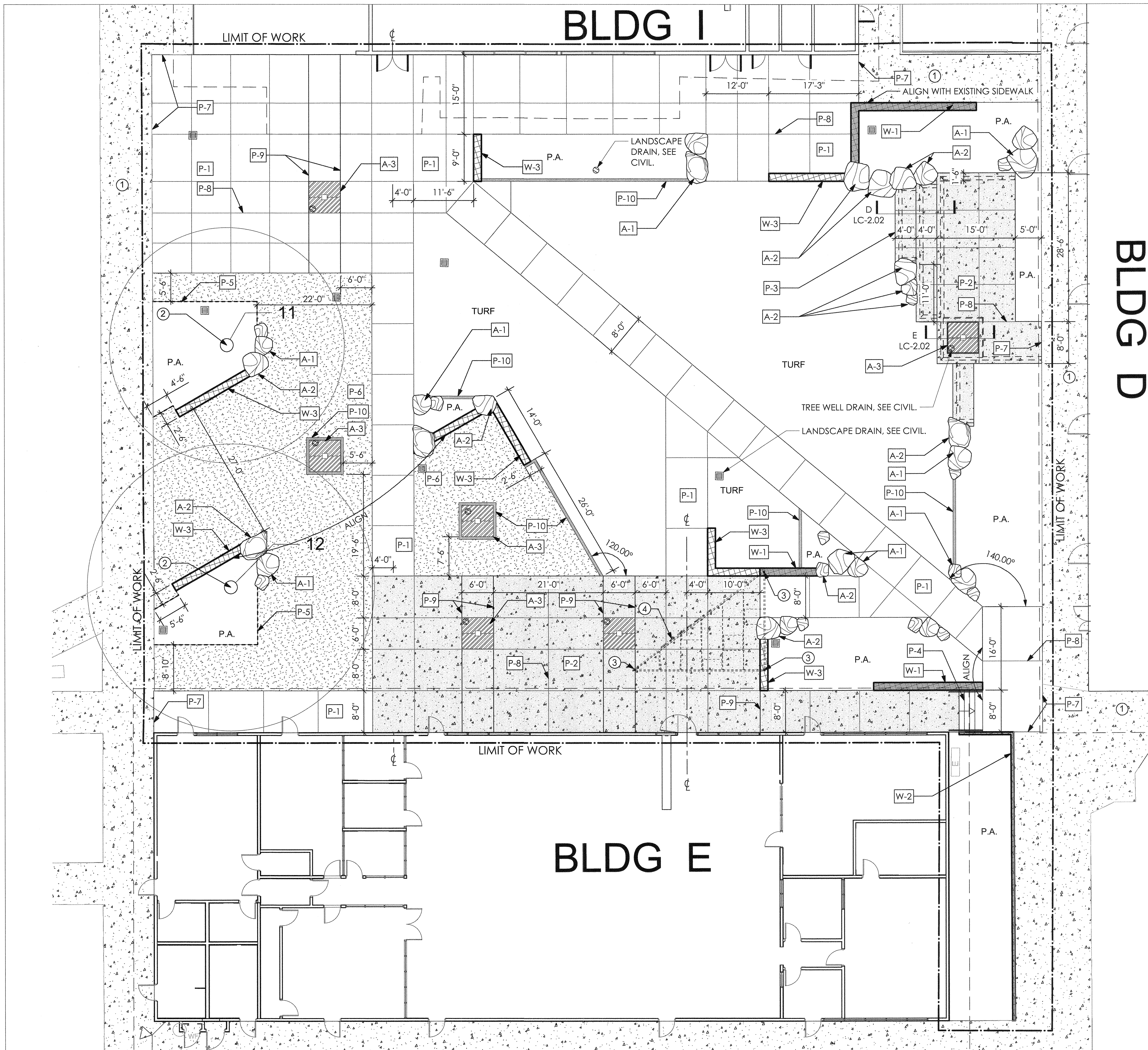
No.	Description	Date

Sheet Name

**CONSTRUCTION
 NOTES AND
 SCHEDULES**

Date 7/24/2018
 Drawn by CH
 Checked by MZ
 Sheet Number

LC-0.01



CONSTRUCTION NOTES

1. SEE SHEET LC-0.01 FOR DETAILED CONSTRUCTION NOTES, SCHEDULES AND DETAIL REFERENCES.
2. ALL PAVING AREAS SHALL BE GRADED NOT TO EXCEED 2% CROSS SLOPE IN ANY DIRECTION. WALKWAY RUNNING SLOPES SHALL NOT EXCEED 5% SLOPE UNLESS AN ADA RAMP IS PROVIDED. SEE CIVIL ENGINEERING GRADING PLANS FOR PRECISE GRADING OF ALL PAVING.
3. ALL PAVING SURFACES TO BE STABLE, FIRM, AND SLIP-RESISTANT.

PAVING SCHEDULE (SEE LC-0.01)

ID#	DESCRIPTION
P-1	CONCRETE PAVING
P-2	ENHANCED CONCRETE PAVING
P-3	8" PLATFORMS WITH EMBEDDED BOULDERS
P-4	STAIRS WITH HANDRAIL, SEE ARCH
P-5	METAL EDGING
P-6	STABILIZED DECOMPOSED GRANITE
P-7	CONCRETE PAVING DOWELED INTO EXISTING CONCRETE
P-8	SAW CUT SCORE LINE
P-9	EXPANSION JOINT
P-10	CONCRETE HEADER

AMENITIES SCHEDULE (SEE LC-0.01)

ID#	DESCRIPTION
A-1	SANDSTONE BOULDERS
A-2	SANDSTONE BOULDER IN SEATWALL
A-3	STEEL ADA COMPLIANT TREE GRATE, 1/2" MAX. OPENINGS

WALL AND FENCE SCHEDULE (SEE LC-0.01)

ID#	DESCRIPTION
W-1	POURED IN PLACE CONCRETE RETAINING WALL
W-2	POURED IN PLACE RAISED RETAINING CURB
W-3	TWO SIDED POURED IN PLACE CONCRETE SEATWALL

EXISTING SITE ELEMENTS TO REMAIN

ID#	DESCRIPTION
1	EXISTING SIDEWALK TO REMAIN
2	EXISTING TREE TO REMAIN AND BE PROTECTED. SEE LP-0.03 FOR TREE PROTECTION AND REMOVALS PLAN
3	STEEL TRELLIS POST, SEE ARCHITECTURAL PLANS AND DETAILS
4	STEEL TRELLIS WITH SIGNAGE, SEE ARCHITECTURAL PLANS AND SECTIONS

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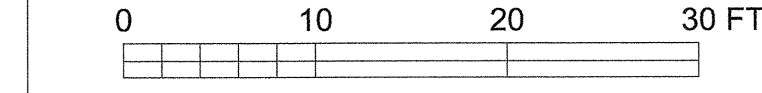
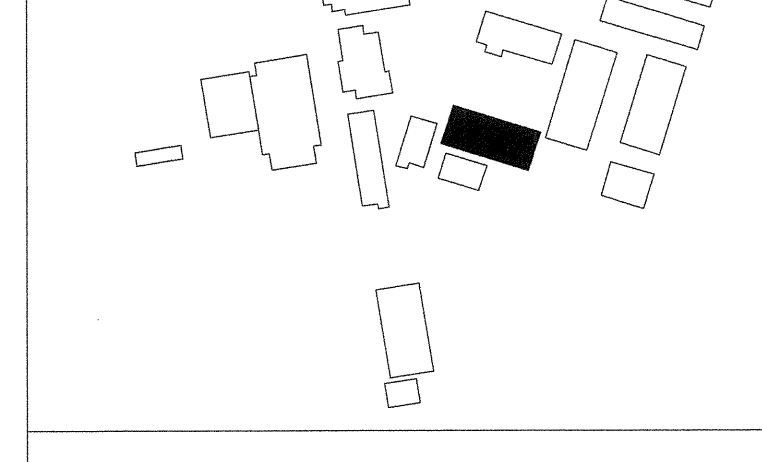
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CONSTRUCTION
PLAN

718
Date 7/24/2018
Drawn by CH
Checked by MZ
Sheet Number

LC-1.01

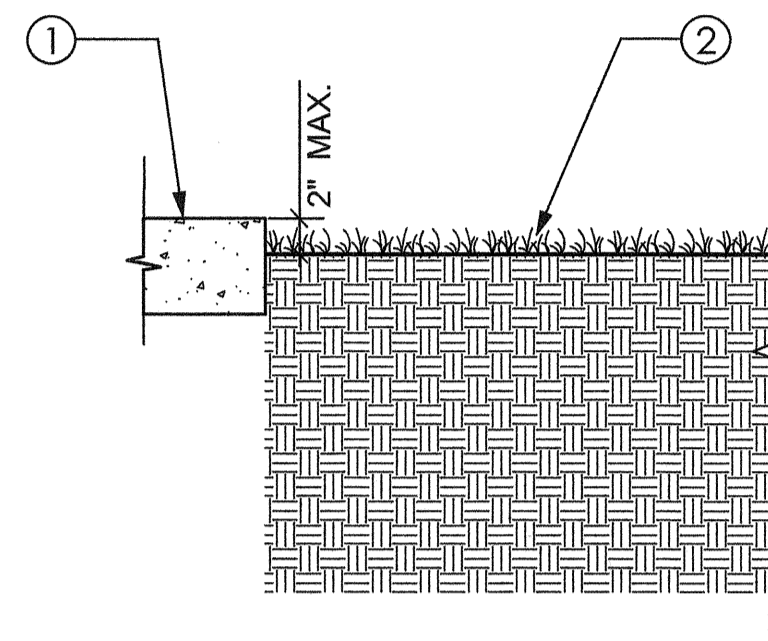
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PLAN**



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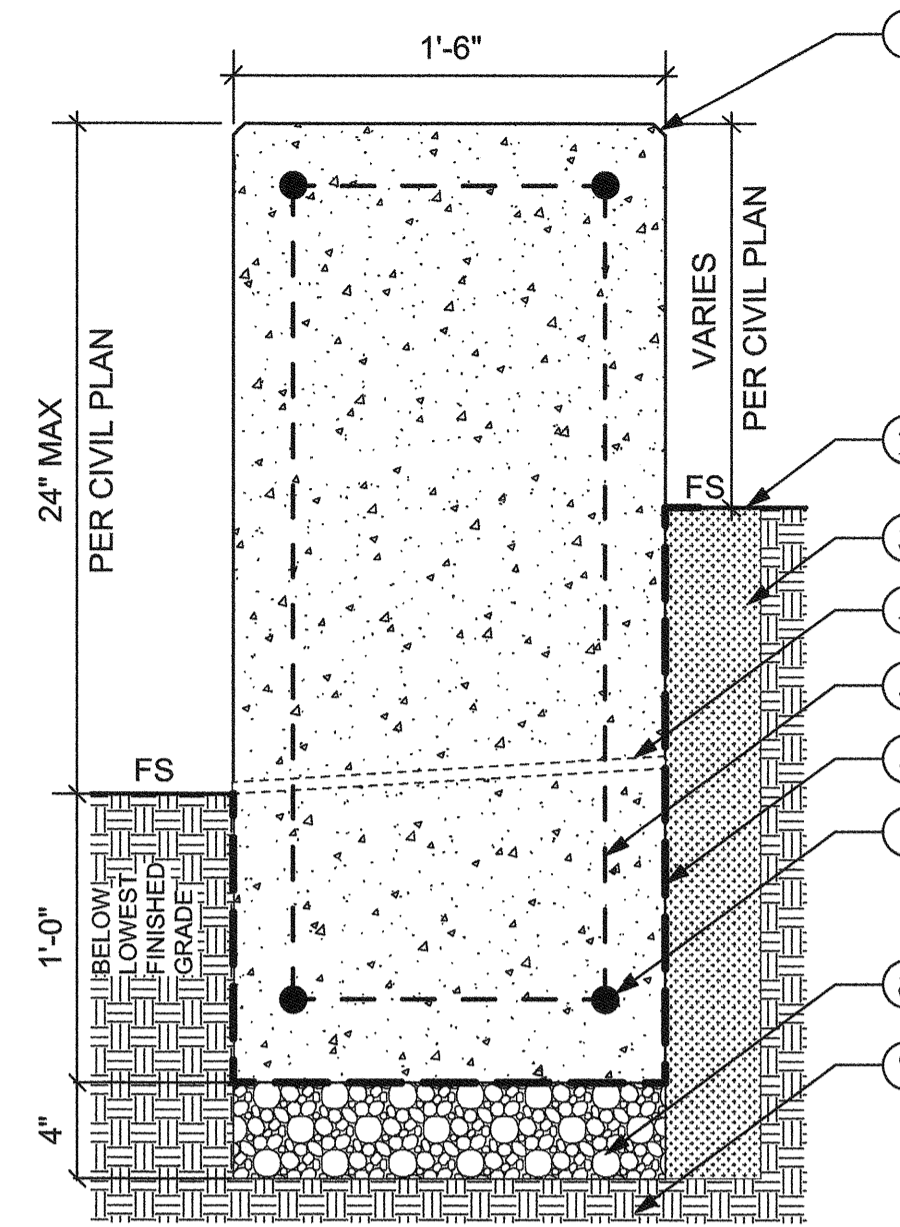
1 LANDSCAPE CONSTRUCTION PLAN
1" = 10 ft



- LEGEND:**
- ① ADJ. EXISTING OR NEW CONCRETE SIDEWALK
 - ② TURF 2" MAX BELOW ADJACENT CONCRETE WALK

G TURF ADJACENT TO CONCRETE WALK

SCALE: 1 1/2" = 1'-0"

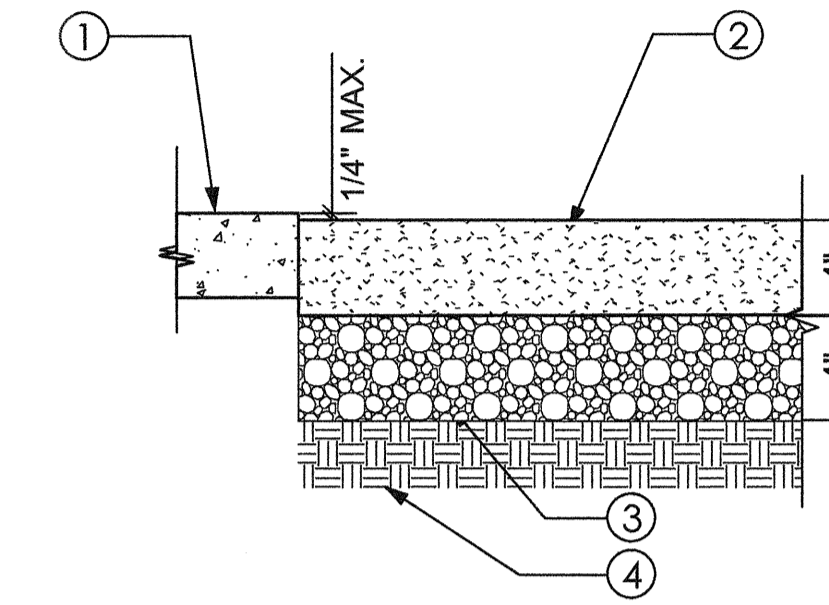


- LEGEND:**
- ① CONCRETE SEATWALL PER PLANS. #5 REBAR HORIZONTAL CONTINUOUS AT 4 CORNERS. SET MIN. 2 1/2" FROM CORNER. 1/2" CHAMFER ON TOP EDGES.
 - ② ADJACENT FINISH GRADE VARIES. SEE CIVIL PLANS FOR SPOT ELEVATIONS.
 - ③ 4" MIN. CRUSHED GRAVEL BACKFILL
 - ④ 1/2" WEEP HOLE @ 24" O.C. TYP.
 - ⑤ #4 REBAR CAGE AT 2'-0" O.C.
 - ⑥ HENRY CM 100 WATERPROOFING MATERIAL PER MANUFACTURER'S RECOMMENDATIONS
 - ⑦ #4 CONT. HORIZONTAL BARS.
 - ⑧ 4" MIN. COMPACTED CLASS 2 AGGREGATE BASE
 - ⑨ COMPACTED SUBGRADE

- NOTES:**
1. BOTTOM OF FOOTING IS 12" BELOW LOWEST FG. (TYP.)
 2. SEE CIVIL GRADING PLAN FOR WALL ELEV. AND ADJACENT FS ELEV.

D POURED IN PLACE CONCRETE RETAINING SEATWALL

SCALE: 1 1/2" = 1'-0"

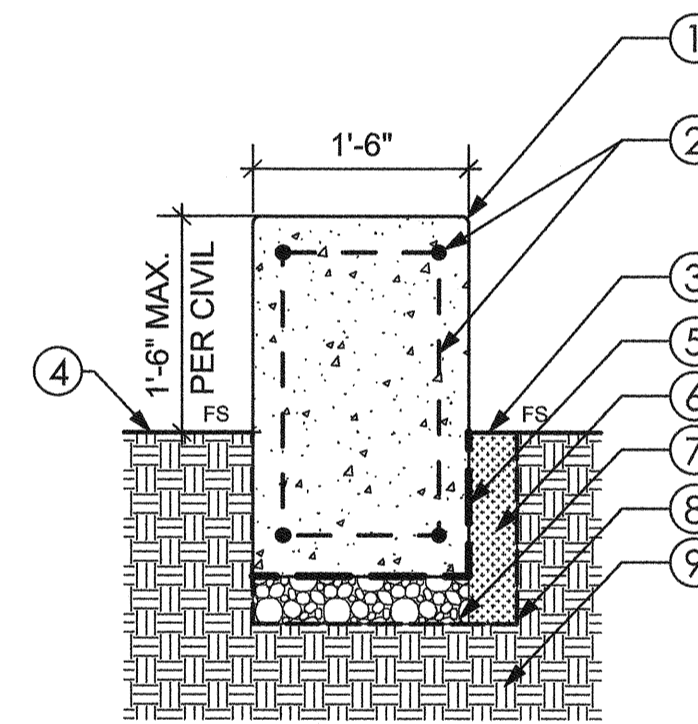


- LEGEND:**
- ① ADJ. EXISTING OR NEW CONCRETE SIDEWALK
 - ② STABILIZED DECOMPOSED GRANITE. BINDER TO BE NATRACIL ORGANIC BINDER, PRE-MIXED AT THE YARD PRIOR TO DELIVERY. COMPACT DECOMPOSED GRANITE IN 2" LIFTS.
 - ③ CRUSHED AGGREGATE BASE
 - ④ COMPACTED SUBGRADE

- NOTES:**
1. USE METAL EDGING (C/LC-2.01) WHEN DECOMPOSED GRANITE IS ADJACENT TO PLANTING AREA.

A STABILIZED DECOMPOSED GRANITE

SCALE: 1 1/2" = 1'-0"

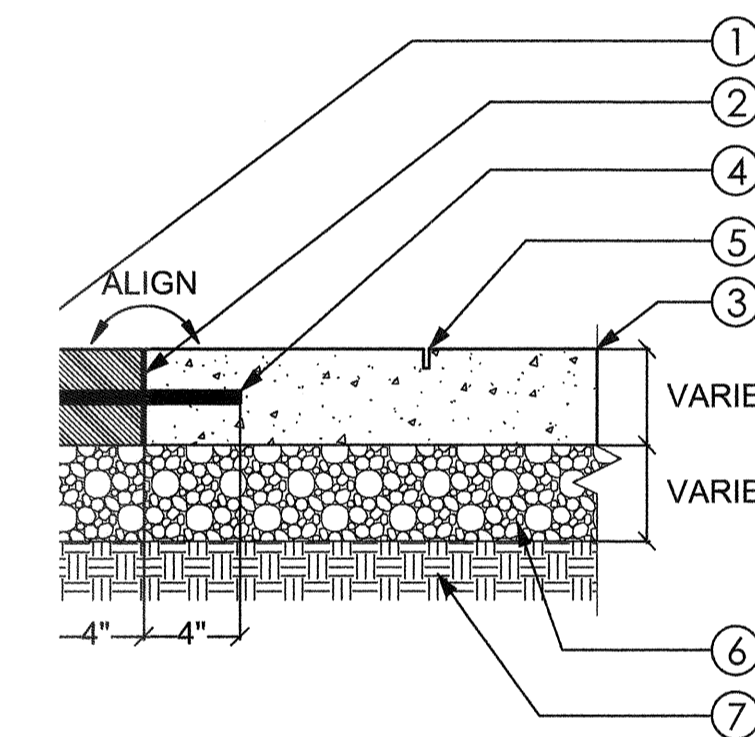


- LEGEND:**
- ① CONCRETE SEATWALL PER PLANS. #5 REBAR HORIZONTAL CONTINUOUS AT 4 CORNERS. SET MIN. 2 1/2" FROM CORNER. 1/2" CHAMFER ON TOP EDGES.
 - ② #4 REBAR CAGE AT 2'-0" O.C. WITH #4 CONT. HORIZONTAL BARS.
 - ③ ADJACENT PLANTING AREA FINISH GRADE. SEE LP-1.01 FOR LAYOUT AND CIVIL PLANS FOR SPOT ELEVATIONS.
 - ④ ADJACENT HARDSCAPE AREA FINISH GRADE. SEE LC-1.01 FOR LAYOUT AND CIVIL PLANS FOR SPOT ELEVATIONS.
 - ⑤ 4" MIN. CRUSHED GRAVEL BACKFILL
 - ⑥ WATERPROOF MEMBRANE PER MANUFACTURER'S RECOMMENDATIONS, WRAP WALL AND ANCHOR TO SOIL.
 - ⑦ SEPARATION FABRIC PER MANUFACTURER'S RECOMMENDATIONS.
 - ⑧ 4" MIN. COMPACTED CLASS 2 AGGREGATE BASE
 - ⑨ COMPACTED SUBGRADE.

- NOTES:**
1. BOTTOM OF FOOTING IS 12" BELOW LOWEST FINISHED GRADE. (TYP.)
 2. SEE CIVIL GRADING PLAN FOR SEATWALL AND ADJACENT FINISHED SURFACE ELEVATIONS.

E TWO SIDED POURED IN PLACE CONCRETE SEATWALL

SCALE: 3/4" = 1'-0"

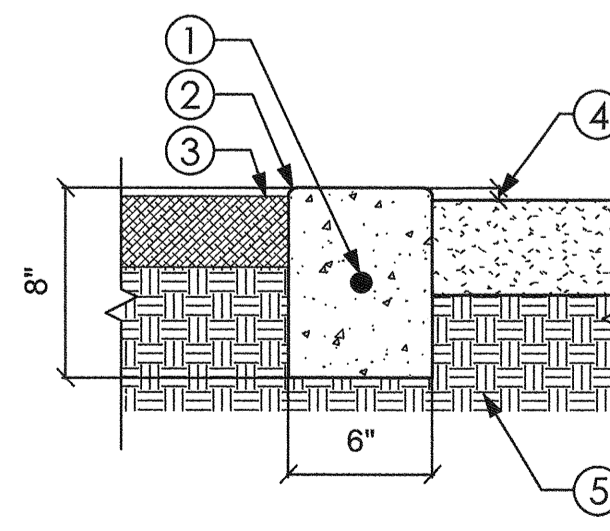


- LEGEND:**
- ① ADJ. EXISTING CONC.
 - ② 1/8" FOAM JOINT FILLER
 - ③ CONCRETE COLOR AND FINISH PER HARDSCAPE PLAN. A - 3 1/2" THICK FOR PEDESTRIAN SURFACE B - 8" THICK FOR VEHICULAR SURFACE
 - ④ #3 DOWEL SET MIN. 4" INTO EXISTING AND NEW CONCRETE @ 24" O.C.
 - ⑤ SAW CUT 3/4" DEEP SCORING; SCORE LOCATIONS PER HARDSCAPE PLANS
 - ⑥ CRUSHED AGGREGATE BASE A - 4" THICK UNDER PEDESTRIAN SURFACE B - 6" THICK UNDER VEHICULAR SURFACE
 - ⑦ COMPACTED SUBGRADE

- NOTES:**
1. FINISH SURFACE TO CONFORM TO ADJ. ELEVATIONS

B CONCRETE PAVING DOWELED INTO EXISTING CONCRETE

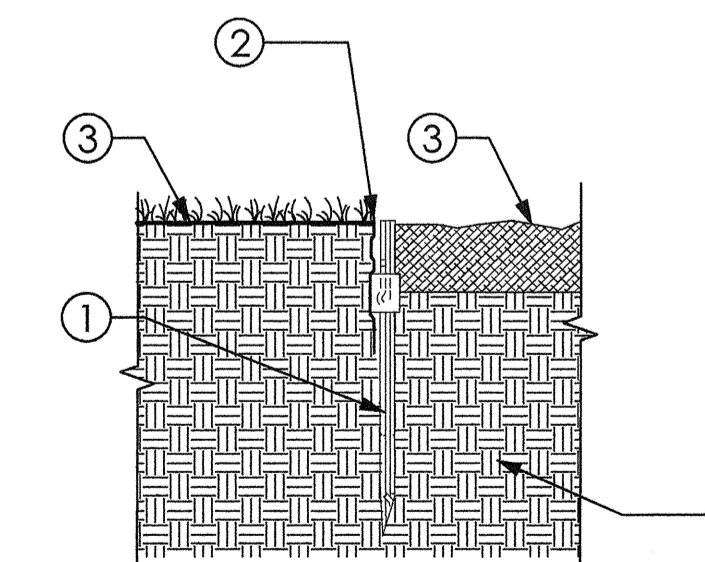
SCALE: 1 1/2" = 1'-0"



- LEGEND:**
- ① CENTER #3 BAR
 - ② 3/8" FILLET
 - ③ ADJ. BARK MULCH, DG, OR TURF
 - ④ ADJ. GRADE = 2" TURF = 1" TOP OF MULCH = 1/4" DG
 - ⑤ UNDISTURBED SOIL

F CONCRETE HEADER

SCALE: 1 1/2" = 1'-0"



- LEGEND:**
- ① 12" METAL STAKES PER MANUFACTURER SPECIFICATIONS.
 - ② TOP OF METAL EDGING TO BE 1/4" ABOVE ADJ. TURF, MULCH AND DG
 - ③ ADJACENT TURF, BARK MULCH OR STABILIZED DG. SEE PLANS.
 - ④ NATIVE SUBGRADE










C METAL EDGING

SCALE: 1 1/2" = 1'-0"



No.	Description	Date

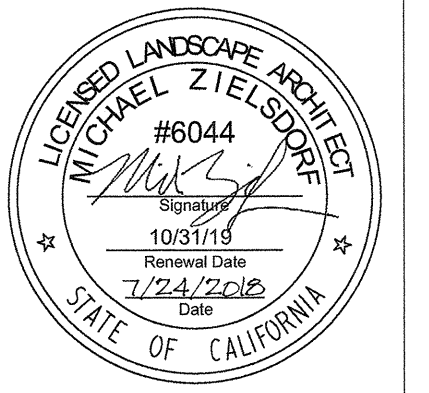
IRRIGATION SCHEDULE - MASTER

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL			GPM	PSI	DETAIL / SHEET
BUBBLERS / DRIP EMITTERS								
	TREE BUBBLER	Rain Bird(R)	Root Watering System (RWS)	RWS-B-C-1402-SOCK		0.50	20 - 90	G / LI-2.01
DRIPLINE								
	ON-SURFACE DRIPLINE	Netafim(R)	Techline(R) CV Dripline	TLHCVXR7-12	1'6"	1.3	21.8 - 58	F / LI-2.02
	SUB-SURFACE DRIPLINE	Netafim(R)	Techline(R) CV Dripline	TLHCVXR7-12	1'0"	1.3	21.8 - 58	G / LI-2.02
VALVES								
	GATE VALVE	Nilco	Gate Valve	T-113		0.25 - 30	10 - 150	B / LI-2.01
	REMOTE CONTROL VALVE	Rain Bird(R)	PESB-R Series	100-PESB		0.25 - 200	20 - 200	B / LI-2.02
PIPE								
	POTABLE MAINLINE		PVC Schedule 40					C / LI-2.02
	LATERAL		PVC Schedule 40					C / LI-2.02
	SLEEVES		PVC Schedule 40					C / LI-2.02
POINT OF CONNECTION								
	BACKFLOW PREVENTER							Existing to remain. See Irrigation plan LI-1.01
	QUICK COUPLER	Rainbird	33-DLRC					NA
CONTROLLER								
	CONTROLLER	Weathermatic	SL1600					Existing Wall Mount in Utility Closet
MISCELLANEOUS								
	PULL BOX	NA						NA
	FLUSH VALVE	NA						NA

IRRIGATION NOTES

- IF IT IS FOUND DURING INSTALLATION THAT THE SITE VARIES FROM THE DRAWINGS, NOTIFY THE PROJECT MANAGER BEFORE PROCEEDING WITH THE WORK.
- COORDINATE THE INSTALLATION OF ALL SLEEVING WITH CIVIL ENGINEER'S PLANS, ARCH. FOUNDATION PLANS, STRUCTURAL PLANS AND LANDSCAPE CONSTRUCTION PLANS.
- PIPE SLEEVE SHALL ALLOW FOR IRRIGATION PIPING AND RELATED COUPLINGS TO EASILY SLIDE THROUGH SLEEVING. EXTEND NEW SLEEVES 12 INCHES BEYOND EDGE OF PAVING. ALL IRRIGATION MAINLINE CROSSINGS SHALL BE INSTALLED IN SCHEDULE 40 SLEEVES THAT ARE A MIN. OF 2X THE DIAMETER OF THE PRESSURE PIPE. PROVIDE LOCATOR WIRE OR TAPE ALONG LENGTH OF SLEEVE. ALSO PROVIDE A SEPARATE IRRIGATION WIRE CONDUIT TAPED TO MAINLINE SLEEVE SIZED TO EASILY PULL WIRES THAT RUNS PARALLEL TO THE SLEEVE. ALL SLEEVES AND CONDUIT MUST BE PERPENDICULAR TO ROAD.
- COORDINATE THE INSTALLATION OF ALL IRRIGATION MATERIALS, INCLUDING PIPE, WITH THE PLANTING PLAN TO AVOID INTERFERING WITH THE PLANTING.
- CONTRACTOR SHALL TEST PRESSURE PRIOR TO CONSTRUCTION. IF PRESSURE IS LESS THAN 80 PSI, NOTIFY THE PROJECT MANAGER PRIOR TO CONSTRUCTION.
- IRRIGATION DRAWINGS ARE DIAGRAMMATIC. LOCATE MAIN LINE AS DIRECTED PER PLAN. LOCATE NEW PIPELINES, VALVES AND EQUIPMENT IN PLANTING AREAS WHEREVER POSSIBLE.
- PVC SHALL BE LAID WITH CONNECTIONS HORIZONTAL, NOT VERTICAL.
- SCHEDULE 40 PVC ONLY, NO EXCEPTIONS.
- ALL NEW TREES SHALL RECEIVE (2) ROOT WATERING SYSTEMS.
- IRRIGATION CONTROLLER TO BE WEATHER- OR SOIL MOISTURE-BASED CONTROLLER THAT AUTOMATICALLY ADJUST IRRIGATION IN RESPONSE TO CHANGES IN PLANTS' NEEDS AS WEATHER CONDITIONS CHANGE. WEATHER-BASED CONTROLLERS WITHOUT INTEGRAL RAIN SENSORS OR COMMUNICATION SYSTEMS THAT ACCOUNT FOR LOCAL RAINFALL SHALL HAVE A SEPARATE WIRED OR WIRELESS RAIN SENSOR WHICH CONNECTS OR COMMUNICATES WITH THE CONTROLLER(S). SOIL MOISTURE-BASED CONTROLLERS ARE NOT REQUIRED TO HAVE RAIN SENSOR INPUT. (CA GREEN BUILDING STANDARDS CODE 4.304.1 IRRIGATION CONTROLLERS)
- PRESSURE TEST ON ALL MAINLINES 4 HOURS AT 150 PSI. CALL INSPECTOR 24 HOURS PRIOR TO TEST.
- NO IRRIGATION LINES SHALL BE PLACED UNDER ROOTBALLS OF EXISTING OR PROPOSED PLANTS.
- PRESSURE REGULATING DEVICES ARE REQUIRED IF WATER PRESSURE EXCEEDS THE RECOMMENDED PRESSURE OF THE SPECIFIED IRRIGATION DEVICES
- CHECK VALVES OR ANTI-DRAIN VALVES ARE REQUIRED ON ALL HEADS WHERE LOW POINT DRAINAGE COULD OCCUR
- A DIAGRAM OF THE IRRIGATION PLAN SHOWING HYDROZONES SHALL BE KEPT WITH THE IRRIGATION CONTROLLER FOR SUBSEQUENT MANAGEMENT PURPOSES
- AN IRRIGATION AUDIT REPORT SHALL BE COMPLETED AT THE TIME OF FINAL INSPECTION
- A CERTIFICATE OF COMPLETION SHALL BE FILLED OUT AND CERTIFIED BY EITHER THE DESIGNER OF THE LANDSCAPE PLANS, IRRIGATION PLANS, OR THE LICENSED LANDSCAPE CONTRACTOR FOR THE PROJECT.

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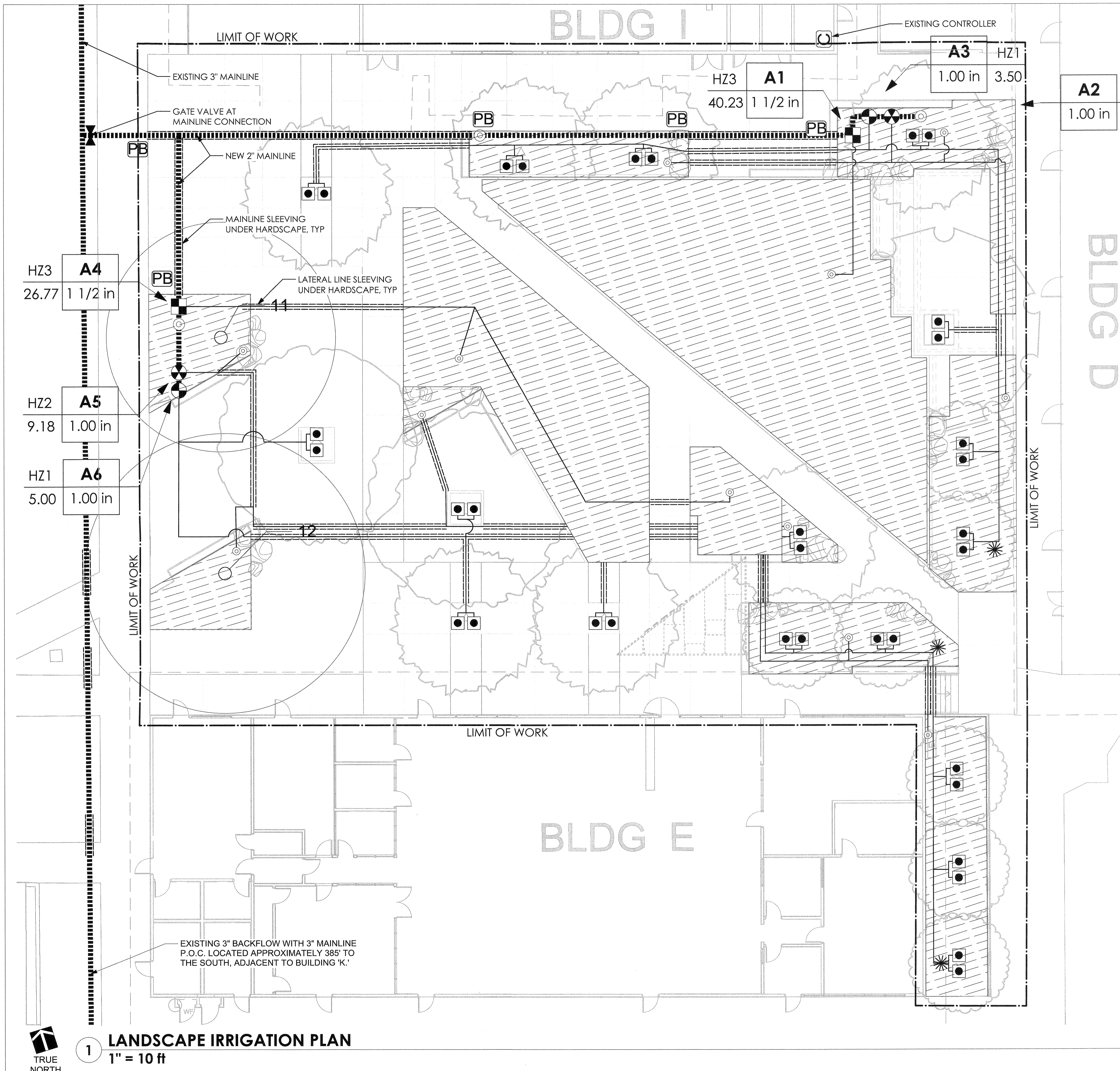
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No.	Description	Date

Sheet Name
**IRRIGATION
 NOTES AND
 SCHEDULES**

718
 Date **7/24/2018**
 Drawn by **CH**
 Checked by **MZ**
 Sheet Number

LI-0.01

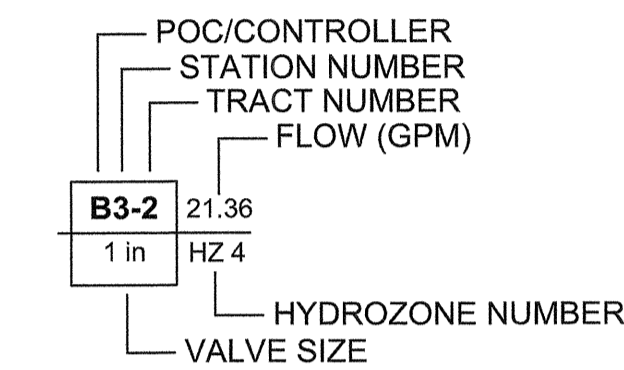


IRRIGATION NOTES

1. SEE SHEET LI-0.01 FOR DETAILED IRRIGATION NOTES, SCHEDULES AND DETAIL REFERENCES.
2. SEE SHEET LI-3.01 AND LI-3.02 FOR IRRIGATION WATER USE CALCULATIONS
3. NEW IRRIGATION MAINLINE CONNECTS AT P.O.C NORTH OF CAFETERIA

LATERAL PIPE SIZING

GPM	SIZE
1-8	3/4"
8-12	1"
12-22	1 1/4"
22-30	1 1/2"
30+	2"



IRRIGATION SCHEDULE

SYMBOL	DESCRIPTION
BUBBLERS / DRIP EMITTERS	
□	TREE BUBBLER
DRIPLINE	
▬	ON-SURFACE DRIPLINE
▬	SUB-SURFACE DRIPLINE
VALVES	
⋈	GATE VALVE
⊕	REMOTE CONTROL VALVE
PIPE	
▬	POTABLE MAINLINE
▬	LATERAL
▬	SLEEVING
POINT OF CONNECTION	
⚡	BACKFLOW PREVENTER
⊙	QUICK COUPLER
CONTROLLER	
Ⓢ	CONTROLLER
MISCELLANEOUS	
PB	PULL BOX

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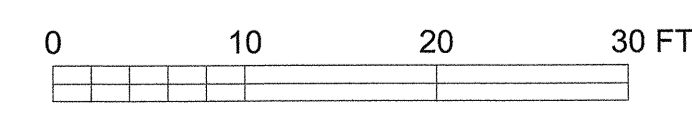
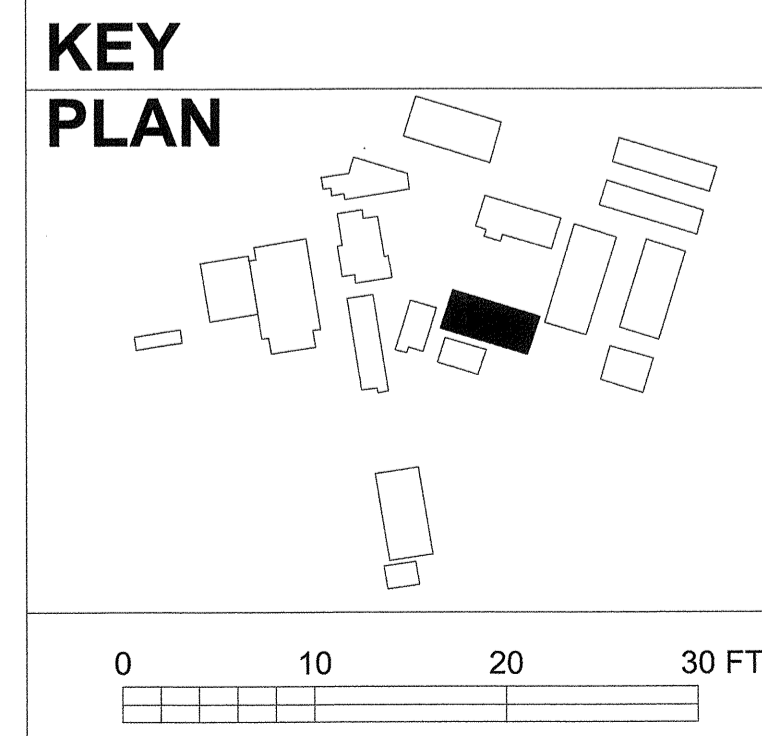
No.	Description	Date

Sheet Name

IRRIGATION
PLAN

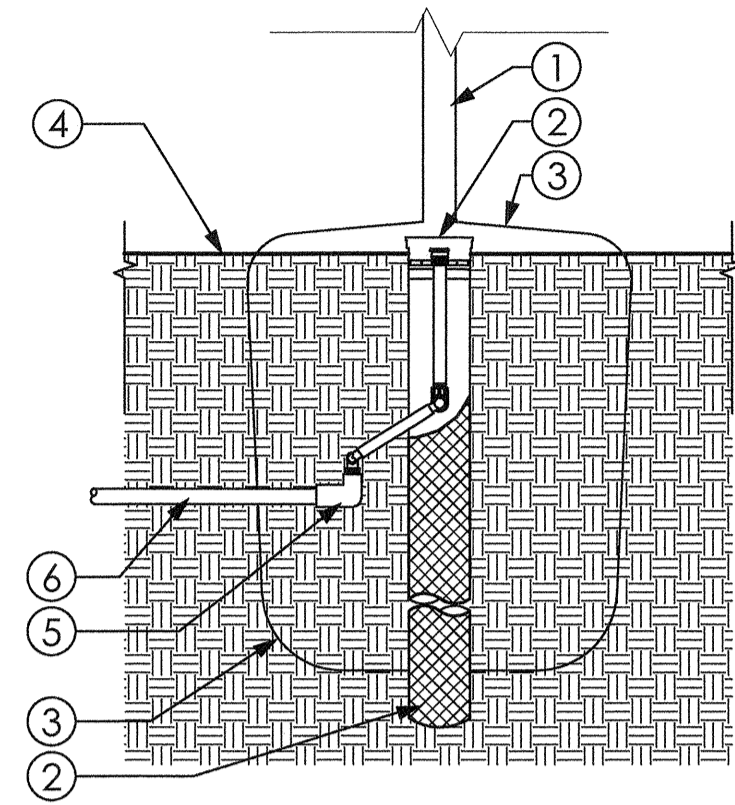
718
Date 7/24/2018
Drawn by CH
Checked by MZ
Sheet Number

LI-1.01



718_L-Production.vwx

1 LANDSCAPE IRRIGATION PLAN
1" = 10 ft
TRUE NORTH

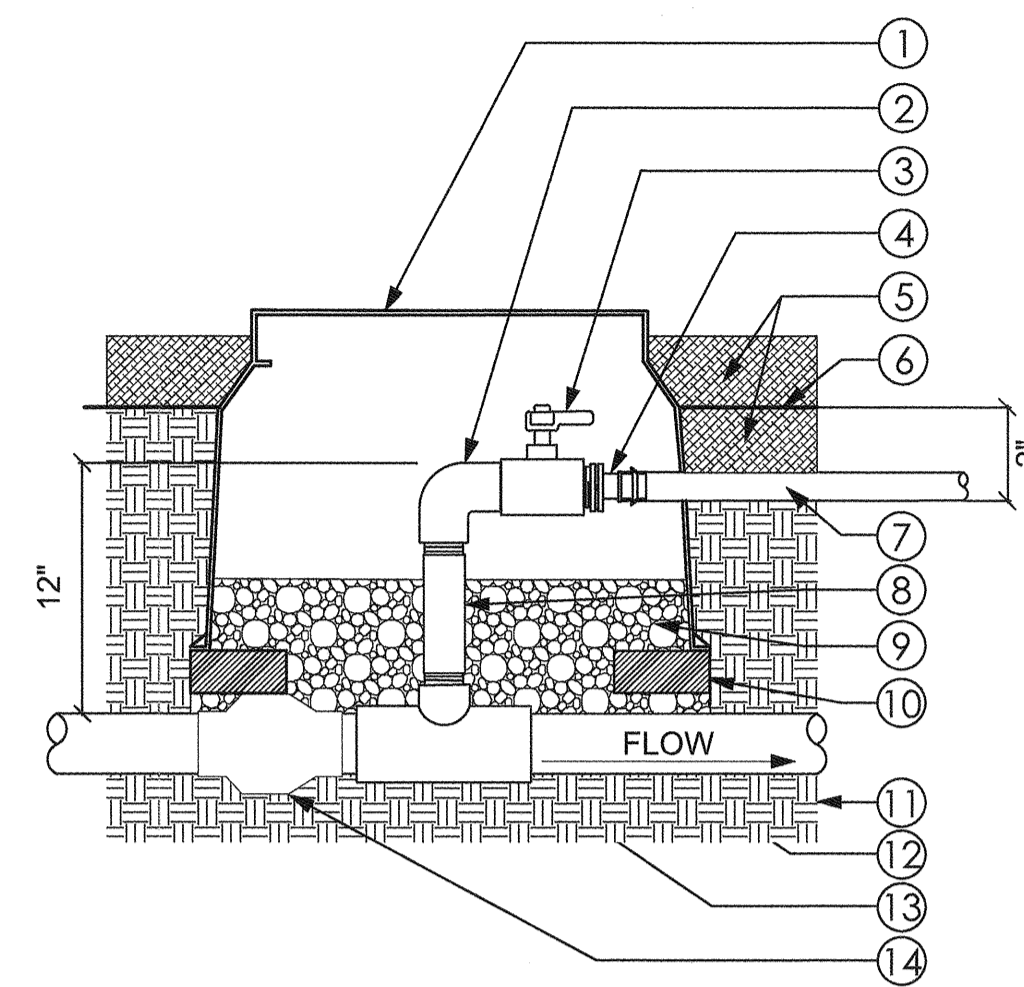


- LEGEND:**
- ① TREE OR SHRUB STEM
 - ② ROOT WATERING SYSTEM ASSEMBLY W/BUBBLER, RISER, SWING ASSEMBLY, AND GRATE COVER; SEE IRRIGATION LEGEND
 - ③ ROOT BALL
 - ④ FINISH GRADE
 - ⑤ SCH 40 PVC TEE SxT 90
 - ⑥ LATERAL PIPE

- NOTES:**
1. SET GRATE 1" ABOVE FINISH GRADE
 2. SEE PLAN VIEW FOR LATERAL LINE AND BUBBLER PLACEMENT

G ROOT WATERING SYSTEM

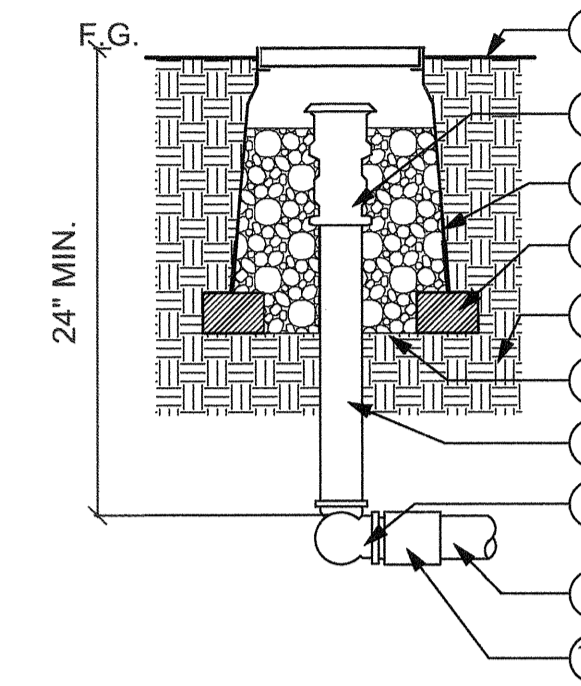
SCALE: 1" = 1'-0"



- LEGEND:**
- ① VALVE BOX
 - ② PVC ELL FPT X FPT
 - ③ PVC BALL VALVE
 - ④ 17mm BARB X 3/4" MIPT ADAPTER W/8" BLANK TUBING
 - ⑤ BARK MULCH
 - ⑥ FINISH GRADE
 - ⑦ DRIP LINE TUBING OR 1/2" POLYETHYLENE W/ INTEGRATED EMITTERS PER IRRIGATION LEGEND
 - ⑧ SCHEDULE 80 PVC RISER
 - ⑨ PEA GRAVEL
 - ⑩ PROVIDE BRICK BASE FOR SUPPORT
 - ⑪ COMPACTED NATIVE BACKFILL
 - ⑫ PVC SUPPLY HEADER, CONNECT TO LATERAL
 - ⑬ PVC SST TEE FITTING
 - ⑭ PVC UTILITY SPRING/SWING CHECK VALVE. SIZE PER PLAN

D DRIP ASSEMBLY

SCALE: 1 1/2" = 1'-0"

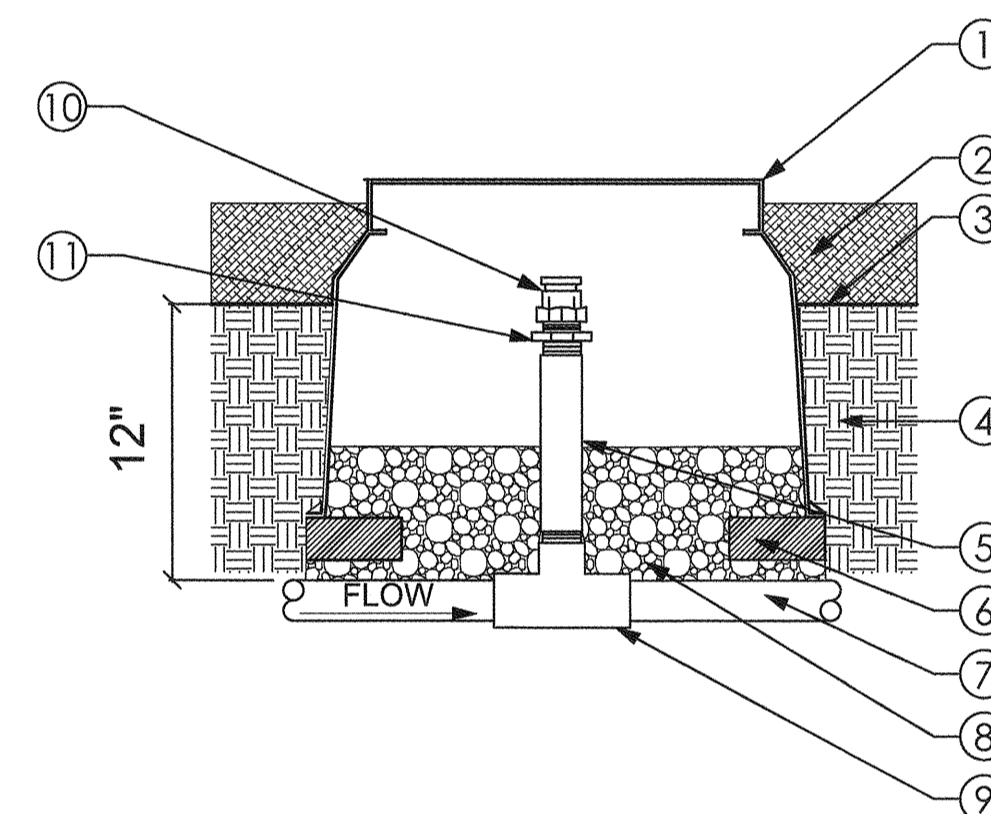


- LEGEND:**
- ① FINISH GRADE
 - ② QUICK COUPLER VALVE PER LEGEND
 - ③ VALVE BOX
 - ④ PROVIDE BRICK BASE FOR SUPPORT
 - ⑤ COMPACTED SUBGRADE
 - ⑥ PEA GRAVEL
 - ⑦ SCH 80 NIPPLE
 - ⑧ TWO 90° PVC STREET ELLS
 - ⑨ PVC MAINLINE
 - ⑩ SCH 80 SxT COUPLING

- NOTES:**
1. INSTALL VALVE BOX 1" ABOVE FINISH GRADE OR FLUSH IN PAVED AREAS
 2. WRAP ALL THREADED FITTINGS W/ TEFLON TAPE

A QUICK COUPLER

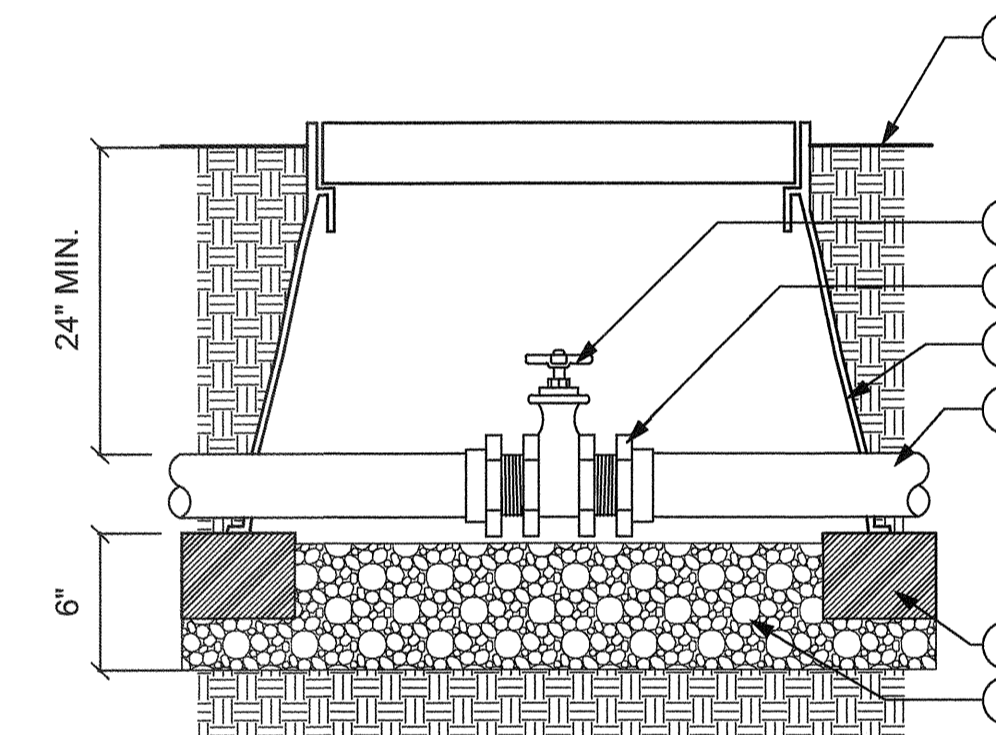
SCALE: 1 1/2" = 1'-0"



- LEGEND:**
- ① VALVE BOX
 - ② BARK MULCH
 - ③ FINISH GRADE
 - ④ COMPACTED NATIVE FILL
 - ⑤ SCH 80 PVC RISER
 - ⑥ PROVIDE BRICK SUPPORTS FOR BASE
 - ⑦ PVC LATERAL
 - ⑧ PEA GRAVEL
 - ⑨ PVC TEE, LATERAL SIZE x 3/4" FPT
 - ⑩ AIR/VACUUM RELIEF VALVE
 - ⑪ 3/4" MPT x 1/2" FPT BUSHING

E AIR RELEASE VALVE

SCALE: 1 1/2" = 1'-0"

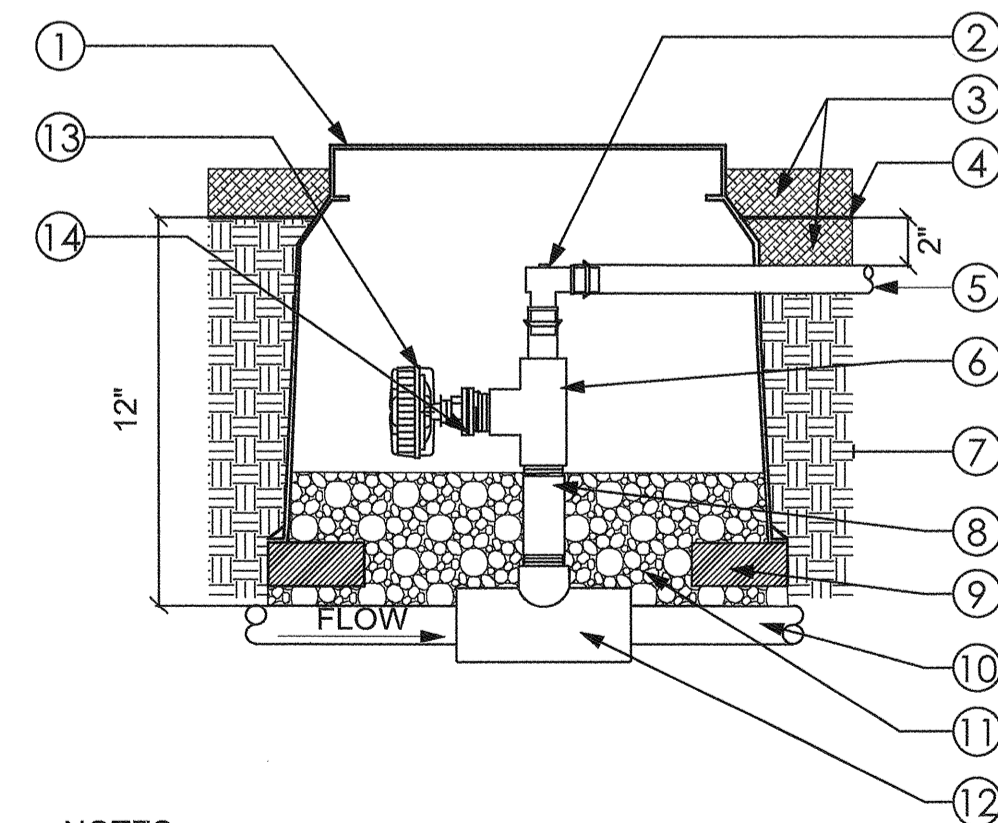


- LEGEND:**
- ① FINISH GRADE
 - ② GATE VALVE PER LEGEND
 - ③ PVC SCH80 MALE ADAPTER TWO (2) REQUIRED
 - ④ VALVE BOX
 - ⑤ PVC MAINLINE
 - ⑥ PROVIDE BRICK FOR BASE SUPPORT
 - ⑦ 6" MIN. PEA GRAVEL

- NOTES:**
1. INSTALL VALVE BOX 1" ABOVE FINISH GRADE OR FLUSH IN PAVED AREAS
 2. WRAP ALL THREADED FITTINGS W/ TEFLON TAPE

B GATE VALVE

SCALE: 1" = 1'-0"

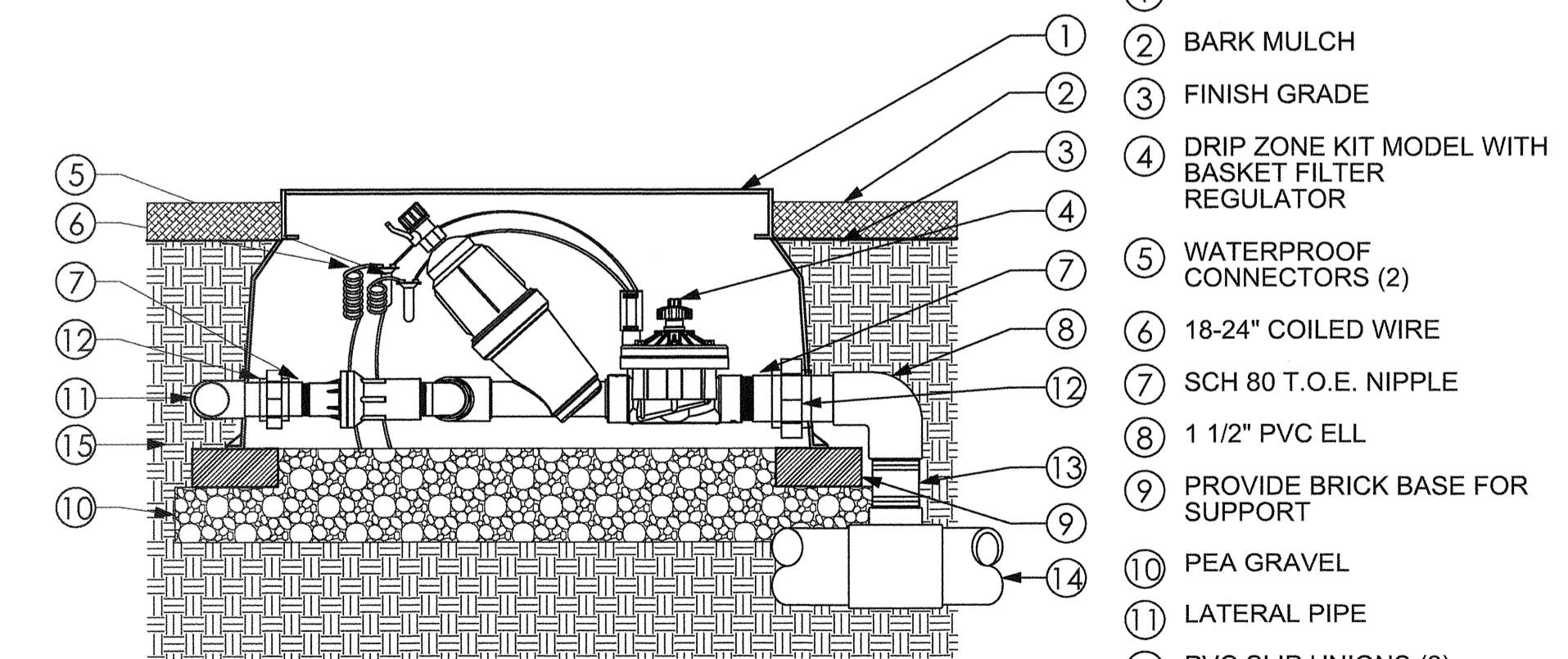


- LEGEND:**
- ① VALVE BOX
 - ② 17mm BARB X BARB 90 DEGREE ELL
 - ③ BARK MULCH
 - ④ FINISH GRADE
 - ⑤ 17mm DRIP LINE TUBING
 - ⑥ 3/4" FPT PVC TEE
 - ⑦ COMPACTED NATIVE FILL
 - ⑧ SCH 80 PVC RISER
 - ⑨ PROVIDE BRICK SUPPORTS FOR BASE
 - ⑩ PVC EXHAUST HEADER
 - ⑪ PEA GRAVEL
 - ⑫ PVC TEE, LATERAL SIZE x 3/4" FPT
 - ⑬ AUTOMATIC LINE FLUSHING VALVE
 - ⑭ 3/4" MPT x 1/2" FPT BUSHING

- NOTES:**
1. SCRATCH DRIPLINE 2" BELOW FINISH GRADE.
 2. STAPLE DRIPLINE DOWN USING 8" FABRIC STAPLES
 3. COVER LINES WITH ADDITIONAL MULCH TO MATCH SURROUNDING

F AUTOMATIC FLUSH VALVE

SCALE: 1 1/2" = 1'-0"



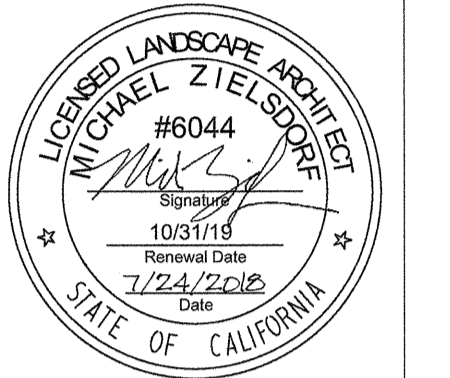
- LEGEND:**
- ① VALVE BOX
 - ② BARK MULCH
 - ③ FINISH GRADE
 - ④ DRIP ZONE KIT MODEL WITH BASKET FILTER REGULATOR
 - ⑤ WATERPROOF CONNECTORS (2)
 - ⑥ 18-24" COILED WIRE
 - ⑦ SCH 80 T.O.E. NIPPLE
 - ⑧ 1 1/2" PVC ELL
 - ⑨ PROVIDE BRICK BASE FOR SUPPORT
 - ⑩ PEA GRAVEL
 - ⑪ LATERAL PIPE
 - ⑫ PVC SLIP UNIONS (2)
 - ⑬ 1 1/2" SCH 80 PVC RISER
 - ⑭ PVC MAINLINE
 - ⑮ COMPACTED NATIVE SUBGRADE

- NOTES:**
1. INSTALL VALVE BOX 1" ABOVE TOP OF MULCH
 2. WRAP ALL THREADED FITTINGS W/ TEFLON TAPE

C DRIP VALVE

SCALE: 1 1/2" = 1'-0"

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CONSTRUCTION
DOCUMENTS

No.	Description	Date

Sheet Name

IRRIGATION
DETAILS

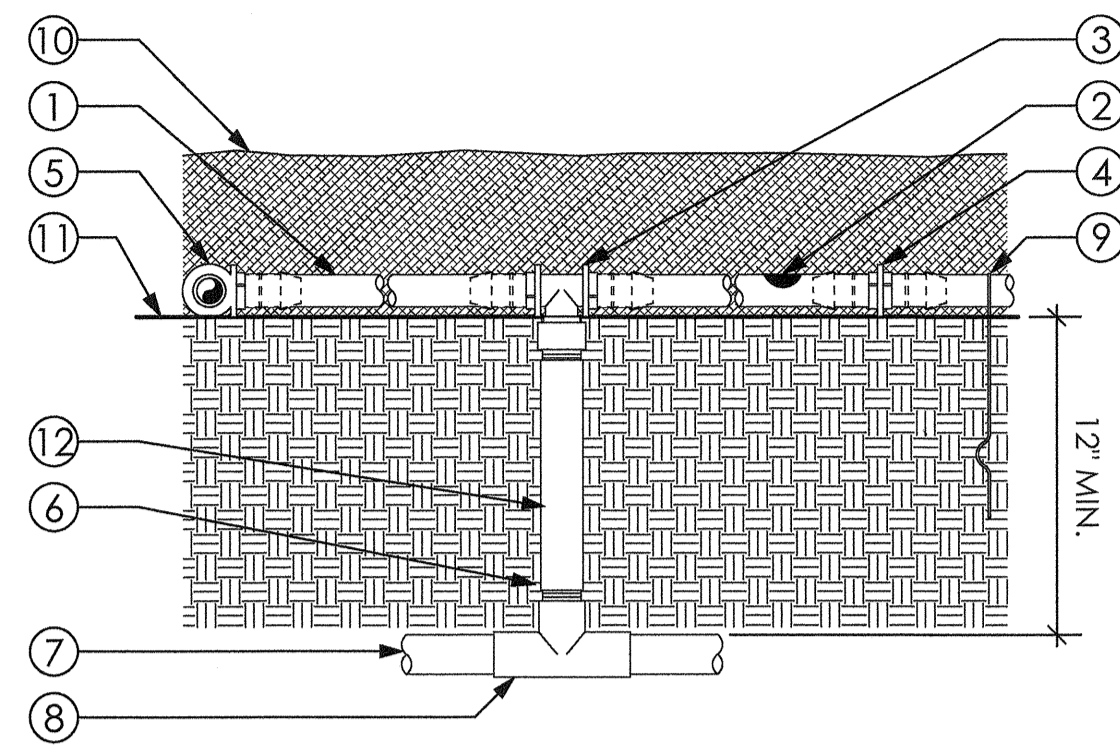
Date 7/24/2018

Drawn by CH

Checked by MZ

Sheet Number

LI-2.01



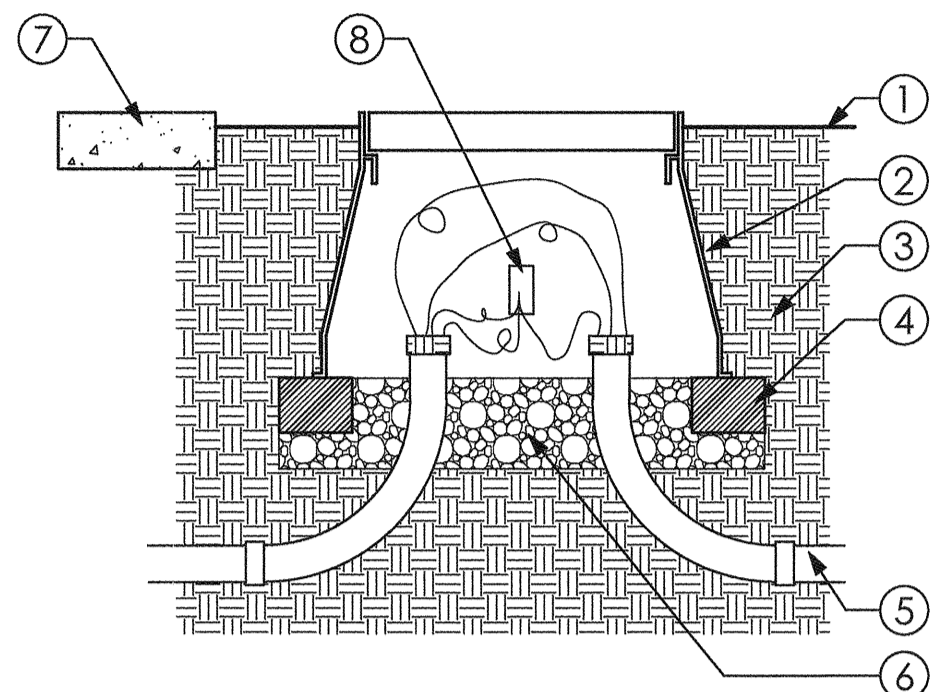
- LEGEND:**
- ① 17mm DRIPLINE PER IRRIGATION LEGEND
 - ② INLINE DRIP EMITTER OUTLET
 - ③ BARB TEE FEMALE ADAPTER 17mm x 3/4" FPT x 17mm
 - ④ BARB COUPLING 17x17mm
 - ⑤ BARB ELBOW 17x17mm
 - ⑥ BARB MALE ADAPTER 17mm X 1/2" MPT
 - ⑦ PVC TEE SxSxT
 - ⑧ PVC LATERAL SUPPLY HEADER
 - ⑨ TIE DOWN STAKE
 - ⑩ BARK MULCH PER SPECIFICATIONS
 - ⑪ FINISH GRADE
 - ⑫ SCHEDULE 80 PVC RISER

NOTES:

1. PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY.
2. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.

F ON SURFACE DRIPLINE SECTION

SCALE: 1 1/2" = 1'-0"



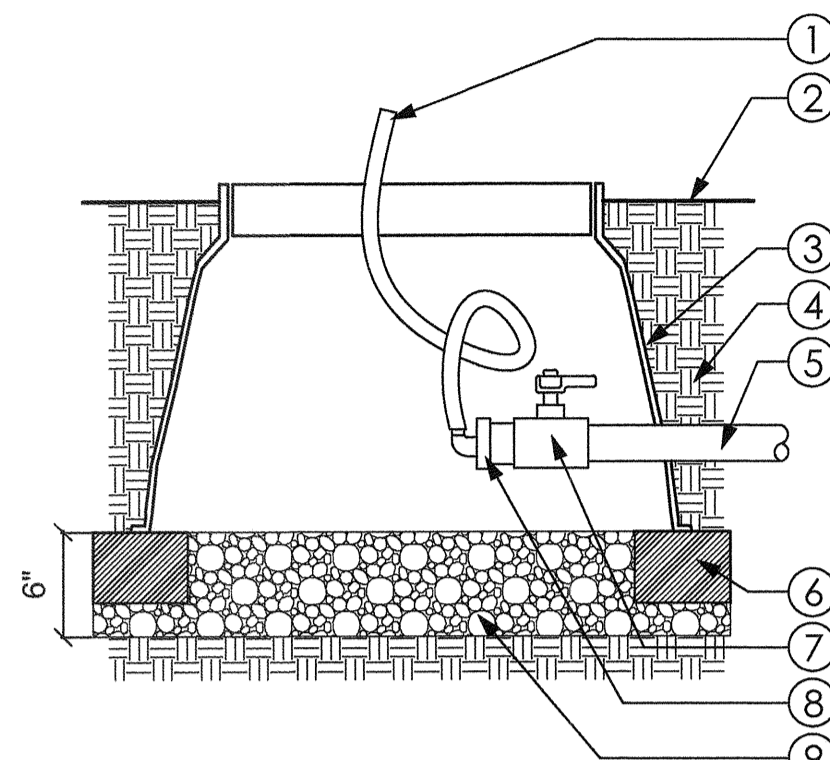
- LEGEND:**
- ① FINISH GRADE
 - ② VALVE BOX
 - ③ COMPACTED NATIVE BACKFILL
 - ④ PROVIDE BRICK FOR BASE SUPPORT
 - ⑤ ELECTRICAL CONDUIT WITH SWEEPING ELL
 - ⑥ 6" MIN. PEA GRAVEL
 - ⑦ ADJACENT CONCRETE
 - ⑧ DBY-6 DIRECT BURIAL SPLICE KIT

NOTES:

1. INSTALL VALVE BOX 1" ABOVE FINISH GRADE OR FLUSH IN PAVED AREAS
2. MAXIMUM WIRE SIZES PER CONNECTOR ARE 3-14'S OR 2-12'S

D PULL BOX

SCALE: 3/4" = 1'-0"



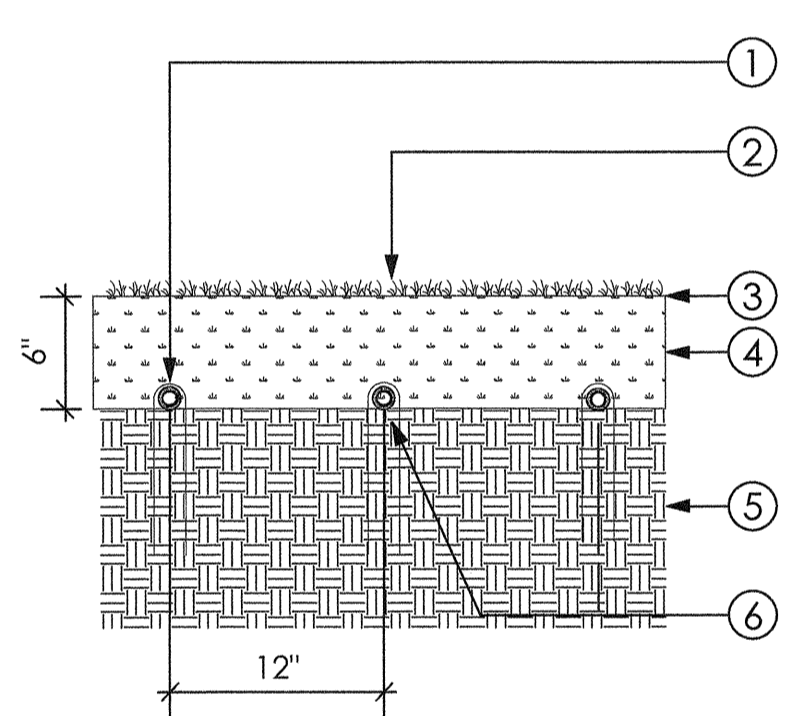
- LEGEND:**
- ① KINK RESISTANT FLEXIBLE PIPE
 - ② FINISH GRADE
 - ③ VALVE BOX
 - ④ COMPACTED NATIVE SUBGRADE
 - ⑤ PVC LATERAL LINE
 - ⑥ PROVIDE BRICK FOR BASE SUPPORT
 - ⑦ PVC MANUAL BALL VALVE
 - ⑧ THREAD BY BARB ELBOW FITTING
 - ⑨ 6" MIN. PEA GRAVEL

NOTES:

1. INSTALL VALVE BOX 1" ABOVE FINISH GRADE OR FLUSH IN PAVED AREAS
2. WRAP ALL THREADED FITTINGS W/ TEFLON TAPE

A FLUSH VALVE

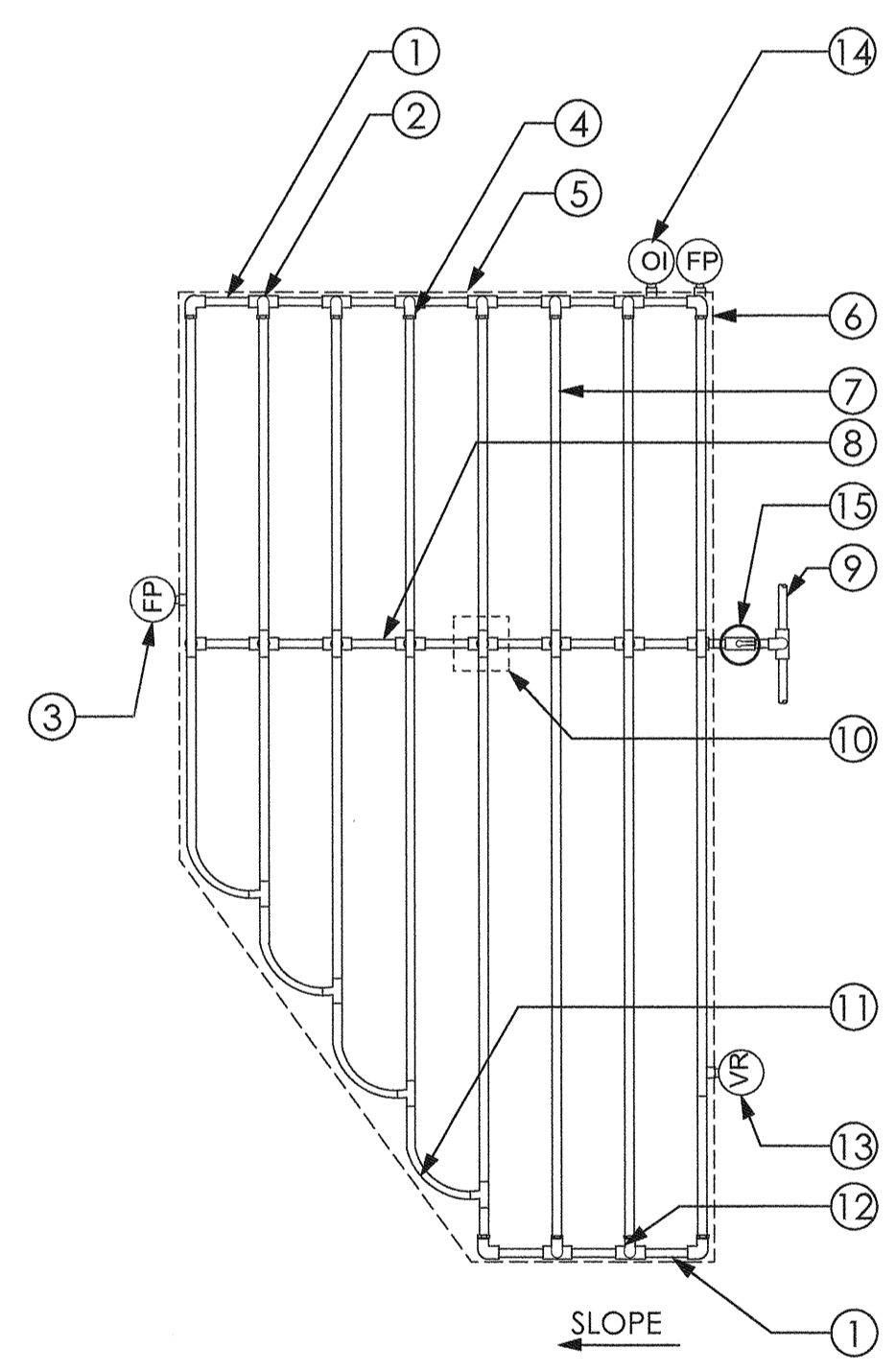
SCALE: 1" = 1'-0"



- LEGEND:**
- ① SOD STAKE INSTALLED 8 FT ON CENTER OVER TUBING
 - ② TURF GRASS, GROUND COVERS OR SHRUBS, SEE PLANTING PLANS
 - ③ FINISHED GRADE
 - ④ AMENDED SOIL
 - ⑤ SITE SOIL
 - ⑥ 17MM DRIP LINE TUBING

G SUBGRADE DRIPLINE SECTION

SCALE: 1 1/2" = 1'-0"



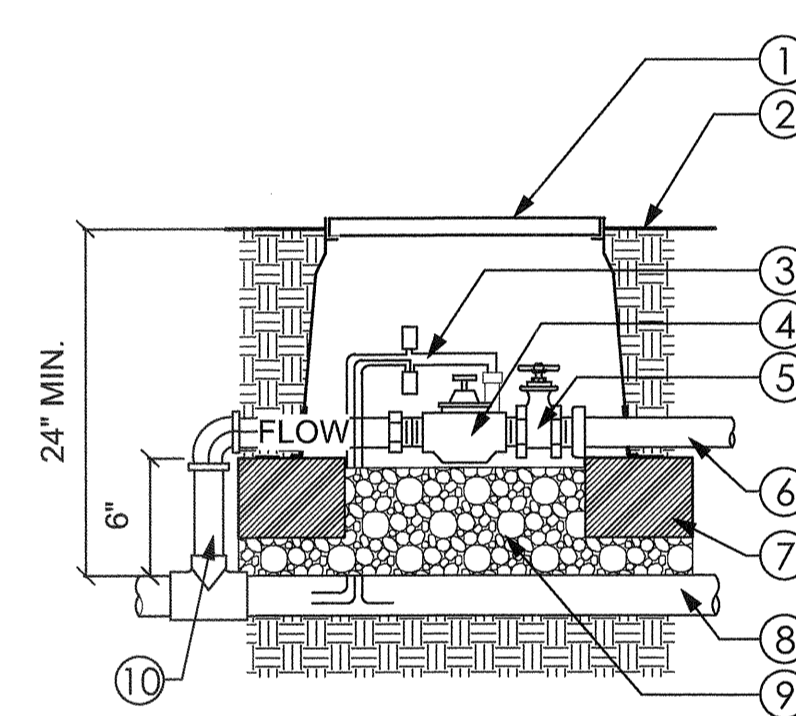
- LEGEND:**
- ① PVC EXHAUST HEADER
 - ② PVC SCH 40 TEE OR ELL (TYP.)
 - ③ FLUSH POINT AT LOCAL LOW POINT (TYP.)
 - ④ BARB x MALE FITTING
 - ⑤ PERIMETER OF AREA
 - ⑥ PERIMETER OF DRIPLINE PIPE TO BE INSTALLED 2" TO 4" FROM EDGE OF ADJACENT PAVING, DRIPLINE FOLLOWS EDGE/SHAPE OF ADJACENT PAVING
 - ⑦ DRIPLINE TUBING
 - ⑧ PVC SUPPLY HEADER
 - ⑨ PVC LATERAL
 - ⑩ CONNECTION FROM SUPPLY LATERAL TO SUPPLY HEADER, TEE FROM LATERAL. PROVIDE PVC BALL VALVE IN VALVE BOX
 - ⑪ BARB x BARB INSERT TEE OR CROSS
 - ⑫ BARB x FEMALE FITTING
 - ⑬ AIR/VACUUM RELIEF VALVE AT LOCAL HIGH POINT
 - ⑭ OPERATION INDICATOR
 - ⑮ CONNECTION FROM SUPPLY HEADER TO DRIPLINE (TYP.)

NOTES:

1. DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING PER IRRIGATION SCHEDULE.
2. LENGTH OF LONGEST DRIPLINE LATERAL SHALL NOT EXCEED THE MAXIMUM SPACING PER MFR FOR PRODUCT SELECTED.
3. CONTRACTOR SHALL INSTALL STAINLESS STEEL CLAMPS ON EACH 17mm INSERT FITTING WHEN DESIGN PRESSURE IS OVER 50 PSI.
4. SEE DETAIL F/LI-2.02 FOR ON SURFACE DRIPLINE SECTION.
5. SEE DETAIL G/LI-2.02 FOR SUBGRADE DRIPLINE SECTION.

E DRIPLINE LAYOUT

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



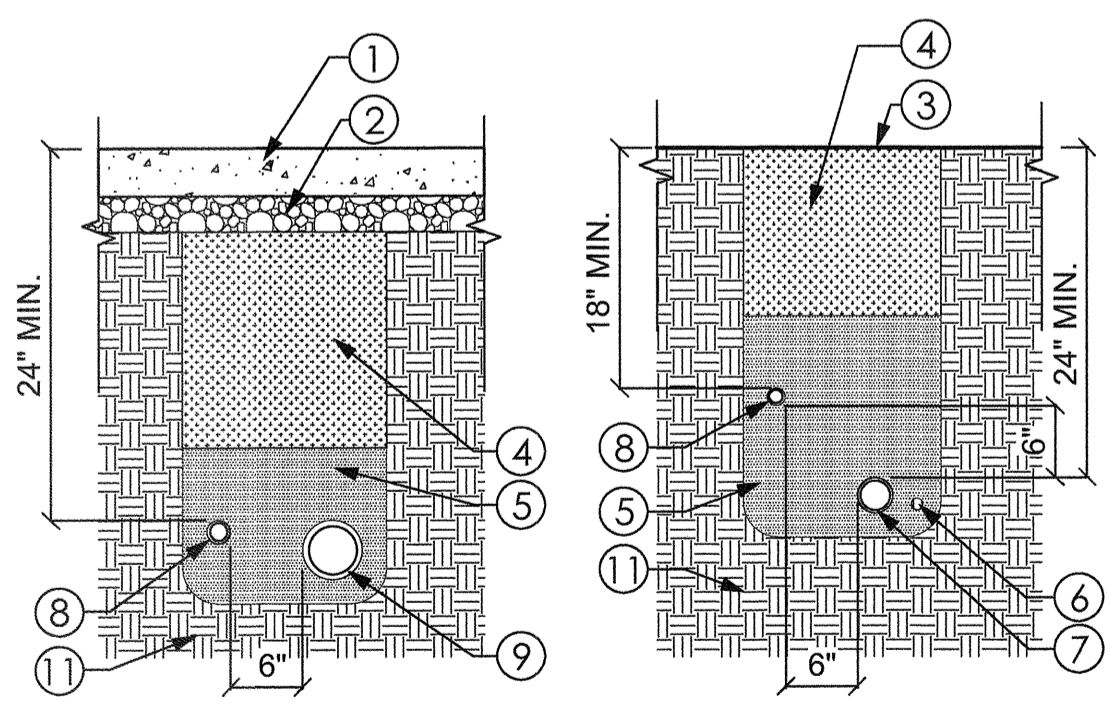
- LEGEND:**
- ① VALVE BOX
 - ② FINISH GRADE
 - ③ COMMON & CONTROL WIRES TO HAVE 24" LENGTH COIL AND WATERPROOF WIRE CONNECTORS
 - ④ REMOTE CONTROL VALVE PER LEGEND
 - ⑤ LINE SIZE GATE VALVE PER LEGEND
 - ⑥ PVC LATERAL LINE
 - ⑦ PROVIDE BRICK FOR BASE SUPPORT
 - ⑧ PVC MAINLINE
 - ⑨ 6" MIN. PEA GRAVEL
 - ⑩ SCH 80 NIPPLE

NOTES:

1. INSTALL VALVE BOX 1" ABOVE FINISH GRADE OR FLUSH IN PAVED AREAS
2. WRAP ALL THREADED FITTINGS W/ TEFLON TAPE

B REMOTE CONTROL VALVE

SCALE: 1" = 1'-0"



- LEGEND:**
- ① ADJACENT PAVING
 - ② BASE MATERIAL
 - ③ FINISH GRADE
 - ④ COMPACTED NATIVE BACKFILL
 - ⑤ SAND BACKFILL - MINIMUM 2" LAYER SAND BED BENEATH LOWEST PIPE, MINIMUM 6" FILL ABOVE HIGHEST PIPE
 - ⑥ LOW VOLTAGE WIRING
 - ⑦ IRRIGATION MAINLINE
 - ⑧ IRRIGATION LATERAL LINE
 - ⑨ SCH. 40 PVC SLEEVING FOR IRRIGATION MAINLINE AND LATERAL (ALL PIPES SLIDE EASILY W/ EXTRA SPACE)
 - ⑩ ELECTRICAL CONDUIT FOR WIRES (ALLOW EXTRA ROOM FOR WIRE MOVEMENT)
 - ⑪ NATIVE SUBGRADE

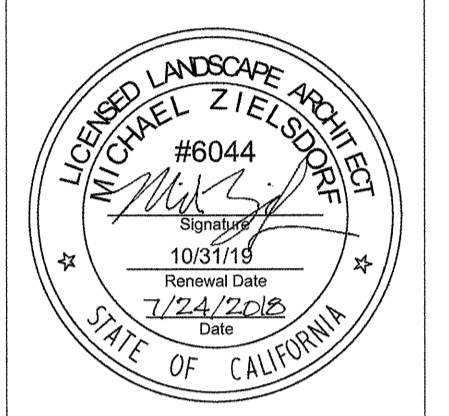
NOTES:

1. EXTEND ALL SLEEVING UNDERNEATH PAVING 12" MINIMUM INTO PLANTERS
2. MAINLINE TRENCHING UNDERNEATH TREE DRIP LINES SHALL INCLUDE ROOT PRUNING. NO ROOT OVER 2" DIAMETER SHALL BE CUT WITHOUT APPROVAL BY THE CITY ARBORIST.

C TRENCHING

SCALE: 3/4" = 1'-0"

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No.	Description	Date

Sheet Name
IRRIGATION DETAILS

Date: 7/24/2018
Drawn by: CH
Checked by: MZ
Sheet Number

LI-2.02

ANTICIPATED MONTHLY IRRIGATION SCHEDULE

valve no.	per Hz#	hydrozone	flow (GPM)	ir. type	ir. effcy. (IE)	area (sq.ft.)	precip (in/yr.)	plant factor (PF)	JAN			FEB			MAR			APR			MAY			JUNE			JULY			AUG			SEP			OCT			NOV			DEC			ANNUAL
									daily runtime (min.)	freq. per week	total ETWU Gallons	daily runtime (min.)	freq. per week	total ETWU Gallons	daily runtime (min.)	freq. per week	total ETWU Gallons	daily runtime (min.)	freq. per week	total ETWU Gallons	daily runtime (min.)	freq. per week	total ETWU Gallons	daily runtime (min.)	freq. per week	total ETWU Gallons	daily runtime (min.)	freq. per week	total ETWU Gallons	daily runtime (min.)	freq. per week	total ETWU Gallons	daily runtime (min.)	freq. per week	total ETWU Gallons	daily runtime (min.)	freq. per week	total ETWU Gallons	daily runtime (min.)	freq. per week	total ETWU Gallons				
A1	3	turf	40.23	sub-surface drip	0.85	3,244	1.19	0.7	21	1	3,444	12	2	4,307	15	2	5,301	18	2	6,295	22	2	7,620	22	2	7,785	26	2	9,111	23	2	8,117	20	2	6,792	16	2	5,632	12	2	4,141	19	1	3,313	72,057
A2	2	shrub	13.65	on-surface drip	0.81	1,722	0.74	0.3	15	1	1,870	9	2	1,028	11	2	1,266	13	2	1,503	15	2	1,819	16	2	1,839	18	2	2,175	14	2	1,938	14	2	1,621	11	2	1,345	8	2	989	13	1	791	17,203
A3	1	tree	4.00	bubbler	0.81	437	0.60	0.2	4	3	215	4	4	254	4	5	312	4	5	371	4	6	449	4	6	459	4	7	537	4	7	478	4	6	400	4	5	332	4	4	244	4	3	195	4,245
A4	3	turf	26.77	sub-surface drip	0.85	2,033	1.27	0.7	20	1	2,284	12	2	2,699	14	2	3,322	17	2	3,944	21	2	4,775	21	2	4,879	25	2	5,709	22	2	5,086	18	2	4,256	15	2	3,529	22	1	2,595	18	1	2,076	45,153
A5	2	shrub	9.18	on-surface drip	0.81	1,946	0.45	0.3	12	2	983	16	2	1,162	18	2	1,430	21	2	1,699	17	3	2,056	18	3	2,101	21	3	2,458	18	3	2,190	16	3	1,833	19	2	1,520	14	2	1,117	11	2	894	19,443
A6	1	tree	9.50	bubbler	0.81	823	1.11	0.2	3	2	277	3	3	327	3	3	403	4	3	479	4	4	579	4	4	592	4	4	693	4	4	617	3	4	516	3	3	428	3	3	315	3	2	252	5,478
POC 'A' Total Daily Runtime									1.3			0.9			1.1			1.3			1.4			1.4			1.5			1.2			1.1			1.1			1.1			1.1			163,579

ANNUAL ESTIMATED WATER USE (gallons per year) 163,579

PRESSURE LOSS CALCULATION (WORST CASE)

P.O.C. 'X' - POTABLE WATER		STATIC PRESSURE: XXX PSI	GPM: XX.XX
STATION: X#			
	DESCRIPTION	PSI	
P.O.C.	1 1/2" WATER METER	3.00	
	1 1/4" REDUCED PRESSURE BACKFLOW	12.00	
	FITTINGS LOSSES (EST.)	0.50	
	TOTAL	15.50	
MAINLINE	2" MASTER VALVE	0.45	
	1 1/2" FLOW METER	0.50	
	2" MAINLINE (XX LF)	4.66	
	MAINLINE FITTINGS (@ 10%)	0.47	
	MAINLINE LOSS TOTAL	6.08	
LATERAL	1 1/2" CONTROL VALVE	0.85	
	LATERAL LINE (XX LF, SIZES PER PLAN)	1.57	
	LATERAL FITTINGS (@ 23%)	0.36	
	LATERAL LOSS TOTAL	2.78	
REQUIRED	COMPONENT LOSS TOTAL (P.O.C.+MAINLINE+LATERAL LINE)	24.36	
	REQUIRED AT HEAD	30.00	
	COMPONENT LOSSES PLUS HEAD LOSS	54.36	
	10% SAFETY FACTOR	5.44	
	TOTAL PRESSURE REQUIRED	59.79	
RESIDUAL	STATIC PRESSURE	150.00	
	PRESSURE LOSS/GAIN FROM ELEVATION CHANGE (+/- 0.433 PSI/F)	-5.60	
	TOTAL AVAILABLE PRESSURE	144.40	
	RESIDUAL PRESSURE (TOTAL AVAILABLE - TOTAL REQUIRED)	84.61	
TOTAL PRESSURE ABOVE THE MINIMUM REQUIRED			
PRESSURE REGULATOR NEEDED			

ATTACHMENT A
WATER EFFICIENT LANDSCAPE WORKSHEET

PROJECT NAME: Nordoff High School
 PROJECT TYPE: Commercial
 PROJECT LOCATION: Ojai, CA
 REFERENCE ETO: 43.5
 TOTAL IRRIGATED LANDSCAPE AREA: 10,406 sf

MONTHLY ETO

ETO: Ojai, CA

jan.	feb.	mar.	april	may	june	july	aug.	sept.	oct.	nov.	dec.	annual
2.2	2.6	3.2	3.8	4.6	4.7	5.5	4.9	4.1	3.4	2.5	2.0	43.5

Maximum Applied Water Allowance (MAWA)

MAWA = (ETo) (0.62) [(ETAF x LA) + ((1 - ETAF) x SLA)]

MAWA = Maximum Applied Water Allowance
 ETo = Reference Evapotranspiration (inches per year)
 0.62 = Conversion factor (to gallons per square foot)
 ETAF = Evapotranspiration Adjustment Factor = 0.45 for Non-residential Areas
 LA = Landscaped Area including SLA (sq ft)
 SLA = Portion of Landscape Area identified as Special Landscape Area - see Definitions (square feet)

Applicant to fill in boxes below:

10,406	Irrigated Landscape Area including Special Landscape Area/SLA (square feet)
5,277	Portion of Landscape Area identified as Special Landscape Area (square feet)

	ETo	ETAF	AREA (sf)	Conversion	MAWA
MAWA for Total LA	43.5	x 0.45	x 10,406	x 0.62	126,292
MAWA for SLA*	43.5	x 0.55	x 5,277	x 0.62	78,279
Total MAWA					204,571 (gallons per year)

Estimated Total Water Use (ETWU)

ETWU = (ETo) (0.62) [(PF x HA) / IE + SLA]

ETWU = Estimated Total Water Use
 ETo = Reference Evapotranspiration (inches per year)
 0.62 = Conversion factor (to gallons per square foot)
 PF = Plant Factor from WUCOLS (see Table A)
 HA = Hydrozone Area (square feet)
 IE = Irrigation Efficiency (see Table B)
 SLA = Portion of Landscape Area identified as Special Landscape Area - see Definitions (square feet)

ETAF Calculations

Regular Landscape Areas	
Total ETAF x Area	1,719
Total Area	5,129
Average ETAF	0.34
All Landscape Areas	
Total ETAF X Area	6,996
Total Area	10,406
Site-wide ETAF	0.67

Average ETAF meets requirement for this site type.

ETWU arrived from Hydrozone Table = **188,695 gallons per year** ETWU meets MAWA requirement.

HYDROZONE TABLE

hydrozone	plant water use	plant factor (PF)	irrigation method	irrigation efficiency (IE)	ETAF (PF/IE)	hydrozone area (HA) (sf)	ETAF X Area	% of landscape area	Hydrozone ETWU	
REGULAR LANDSCAPE AREAS										
1 - tree	low	0.2	drip	0.81	0.25	1,460	361	14%	9,723	
2 - shrub	low	0.3	drip	0.81	0.37	3,669	1,359	35%	36,646	
						Regular Landscape Area Subtotal	5,129	1,719	49%	46,369
SPECIAL LANDSCAPE AREAS (SLA)										
3 - turf					1.00	5,277	5,277	51%	142,326	
						Special Landscape Area Subtotal	5,277	5,277	51%	142,326
						Total	10,406	6,996	100%	188,695

Table A - PF (Plant Factor)

Cool Season Turf*	0.8	
Warm Season Turf**	0.6	
High Water Using Plants	0.8	can be between 0.7 - 0.9
Moderate Water Using Plants	0.5	can be between 0.4 - 0.6
Low Water Using Plants	0.2	can be between 0.1 - 0.3
Very Low water Using Plants	0.1	below 0.1

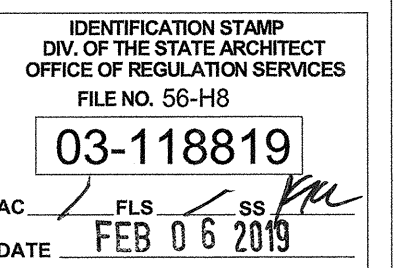
Table B - IE (Irrigation Efficiency)

Overhead Spray	0.75
Drip	0.81
*Dripline	0.85
**ECO-mat	0.89

*note: adjustment can be made based on exact type of equipment, see irrigation legend

*species include tall fescue, ryegrass, bentgrass and kentucky bluegrass
 **species include bermudagrass, zoysagrass, st. augustinegrass

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DOCUMENTS

No.	Description	Date

Sheet Name

IRRIGATION
CALCULATIONS

Date 7/24/2018


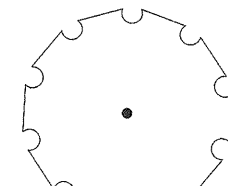
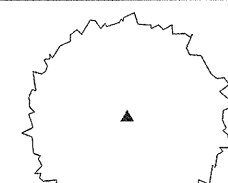
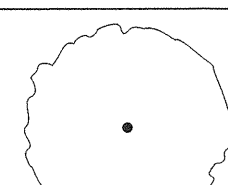
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LI-3.01


PLANT SCHEDULE - TREES

SYMBOL	QTY	LATIN NAME	COMMON NAME	WUCOLS	SIZE
	7	<i>Arbutus x 'Marina'</i>	Marina Strawberry Tree	L	24" box Multi
	1	<i>Platanus racemosa</i>	California Sycamore	M	48" box
	7	<i>Platanus racemosa</i>	California Sycamore	M	36" box
	2	<i>Quercus agrifolia</i>	Coast Live Oak	L	48" box

PLANT SCHEDULE - SHRUBS AND VINES

SYMBOL	QTY	LATIN NAME	COMMON NAME	WUCOLS	SIZE
	27	<i>Agave attenuata</i>	Foxtail Agave	L	10G
	29	<i>Agave 'Blue Flame'</i>	Blue Flame Agave	L	5G
	9	<i>Agave vimoriniana</i>	Octopus Agave	L	5G
	18	<i>Aloe striata</i>	Coral Aloe	L	5G
	74	<i>Arctostaphylos 'Pacific Mist'</i>	Manzanita	L	10G

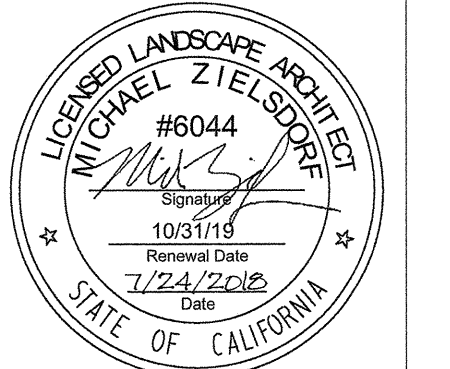
PLANT SCHEDULE - GROUNDCOVERS AND TURF

SYMBOL	QTY	LATIN NAME	COMMON NAME	WUCOLS	SIZE / SPACING
	5,261 sf.	<i>Pennisetum clandestinum</i>	Kikuyugrass 'AZ-1'	M	From seed

PLANTING NOTES

- ALL PLANTED AREAS SHALL BE THOROUGHLY RIPPED TO A DEPTH OF 8", USING RIPPER WITH TEETH NO WIDER THAN 12" O.C. WHERE POSSIBLE. THE RIPPING SHOULD BE DONE IN TWO DIRECTIONS TO REDUCE THE COMPACTION WHICH OCCURS AS A RESULT OF CONSTRUCTION.
- THE CONTRACTOR SHALL COLLECT A MINIMUM OF EIGHT SOIL SAMPLES FROM NEW PLANTING AREAS FOR AGRONOMIC TESTING & AMENDMENT RECOMMENDATIONS FROM FRUIT GROWERS LAB @ (805) 392-2000. RESULTS SHALL BE TRANSMITTED TO CLIENT AND LANDSCAPE ARCHITECT OF RECORD. SOIL MANAGEMENT REPORT RECOMMENDATIONS SHALL ADDRESS THE FOLLOWING AT A MINIMUM: SOIL TEXTURE, SOIL INFILTRATION RATE, SOIL PH, AND SUGGESTED AMENDMENTS BASED UPON PROPOSED PLANTING PALETTE. SEE SPECIFICATIONS.
- FOR SOILS LESS THAN 6% ORGANIC MATTER IN THE TOP 6 INCHES OF SOIL, COMPOST AT A RATE OF A MINIMUM OF FOUR CUBIC YARDS PER 1,000 SQUARE FEET OR PERMEABLE AREA SHALL BE INCORPORATED TO A DEPTH OF SIX INCHES INTO THE SOIL
- ALL AMENDMENTS TO BE APPLIED PER SOIL MANAGEMENT REPORT, OR IF NO TECHNIQUE IS SPECIFIED, THEN MIXED TOGETHER AND ROTOTILLED INTO PLANTING AREAS TO A DEPTH OF 6". (UNTIL RESULTS OF SOIL MANAGEMENT REPORT ARE OBTAINED, THE FOLLOWING AMENDMENTS MAY BE USED FOR BID PURPOSES ONLY. RESULTS OF SOILS ANALYSIS SUPERSEDE THESE QUANTITIES):
 - 5 LBS/1000 SF POTASSIUM SULFATE
 - 5 LBS/1000 SF AMMONIUM SULFATE
 - 5 LBS/1000 SF SINGLE SUPERPHOSPHATE OR EQ.
 - 80 LBS/1000 SF AGRICULTURAL GYPSUM
 - 6 CY GENERAL PURPOSE SOIL AMENDMENT
- BACKFILL PER CY FOR CONTAINER PLANTS (BACKFILL MIX PROVIDED FOR BID PURPOSES ONLY. RESULTS OF SOILS ANALYSIS SUPERSEDE THESE QUANTITIES):
 - 1/4 LB POTASSIUM SULPHATE
 - 1/4 LB AMMONIUM SULPHATE
 - 1/5 LB SINGLE SUPERPHOSPHATE OR EQ.
 - 4 LBS AGRICULTURAL GYPSUM
 - 5 PARTS BY VOLUME NATIVE SOIL
 - 1 PART BY VOLUME AQUINAGA TURF PLUS
- GRO-POWER PLANTING TABLETS PLACED 2 INCHES DEEP AND 2" OUTSIDE ROOT BALL: (3) PER 1 GAL; (9) PER 5 GAL; (15) PER 15 GAL, (24) PER 24" BOX AND (24) PER 36" BOX
- ALL TREES WITHIN 5 FT. OF PAVEMENT TO HAVE CENTURY PRODUCTS LINEAR CP36-2 'POLYETHYLENE' ROOT BARRIERS INSTALLED PER MANUFACTURER'S RECOMMENDATIONS 1 1/2" OFF BACK OF CURB OR EDGE OF PAVEMENT. ROOT BARRIER TO BE INSTALLED AT BACK OF HARDSCAPE, IN 10 FOOT PANELS CENTERED ON THE TREE TRUNK, (NOT IN CIRCLE AROUND ROOT BALL).
- PLANT MATERIAL QUANTITIES LISTED FOR CONVENIENCE OF CONTRACTOR. ACTUAL NUMBER OF SYMBOLS SHALL HAVE PRIORITY OVER QUANTITY DESIGNATED.
- A MINIMUM 3-INCH LAYER OF MULCH SHALL BE APPLIED ON ALL EXPOSED SOIL SURFACES OF PLANTING AREAS EXCEPT TURF AREAS, CREEPING OR ROOTING GROUNDCOVERS, OR DIRECT SEEDING APPLICATIONS WHERE MULCH IS CONTRADICTORY.
- MULCH SHALL BE ES-2 MULCH FROM AGROMIN PREMIUM SOIL PRODUCTS (805) 482.8749. PROVIDE SAMPLE TO LANDSCAPE ARCHITECT OF RECORD FOR APPROVAL.
- SEE SHEET, LP-2.01 FOR ALL PLANTING DETAILS

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No.	Description	Date

Sheet Name

PLANTING
NOTES AND
SCHEDULES

718

Date 7/24/2018

Drawn by CH

Checked by MZ

Sheet Number

LP-0.01

TREE PROTECTION PLAN

The following measures should be taken to protect trees before, during and after construction.

PRECONSTRUCTION

1. Provide a copy of this protection plan to the contractor.
2. A copy of the protection plan should be available on site throughout construction.
3. Contractor to schedule a Pre-Construction Meeting: The owner's landscape architect shall attend a pre-construction meeting with the general contractors' superintendent to review the tree protection plan and confirm that the protection fences and signs are in place prior to any work being done on the site.
4. Tree Protection Fencing is needed. See plan. The outline of structures and paving under the canopy of the protected tree needs to be clearly marked by the owner or general contractor prior to installing the fences.
5. Post signs on the protective fencing around protected trees. Lettering should be at least 1" high and read as follows:

WARNING
TREE PROTECTION ZONE
 Entry prohibited. This fence shall remain in place throughout the entire construction period.
 To report violations, contact
 Construction Superintendent

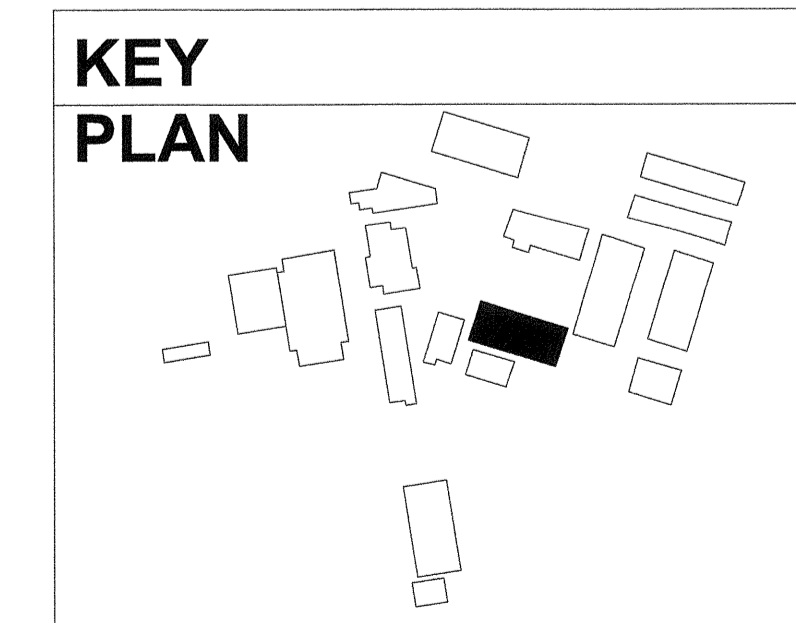
ADVERTENCIA
ZONA DE PROTECCIÓN DE ÁRBOLES
 Entrada prohibida. Esta cerca debe permanecer en su lugar durante el período de construcción.
 Para reportar violaciones, contacte al
 ENFORZAMIENTO

CONSTRUCTION

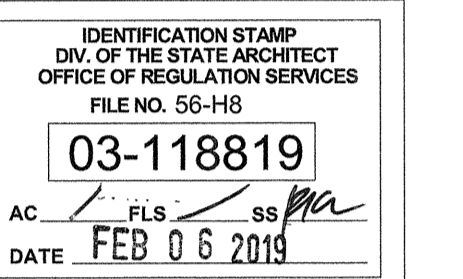
1. Once a month soak the rootzone of the protected trees.
2. Tree Protection Zone Restrictions:
 - 2.1. Stay out of the fenced area without the approval of the job site superintendent.
 - 2.2. Any trenching, grading or excavating, within the fenced areas shall be approved before hand by the owner's landscape architect. Any such work approved shall be monitored by a party selected by the owner. The monitor shall observe trenching, grading or excavating and report whether the work was performed according to the protection plan and whether unexpected damage occurred and any recommended treatment for the damage.
 - 2.3. Before trenching, grading or excavating, under the protect tree canopies, check to make sure root pruning has been done.
 - 2.4. No equipment, soil, or construction materials shall be stored in the TPZ.
 - 2.5. No oil, gasoline, chemicals, paints, solvents, or other damaging materials may be dumped within the TPZ.
 - 2.6. Grade changes outside of the TPZ shall not significantly alter drainage to protected trees.
3. Report any inadvertent damage to the trees to the school district.
4. Monitor the health of the trees and report obvious health decline to the school district.
5. A qualified arborist selected by the owner shall do a health assessment all the protected trees at the end of construction. That assessment should form the basis for post-construction monitoring.

POST-CONSTRUCTION

- Monitor the trees for three (3) years.
1. Annual monitoring reports shall be prepared by a qualified arborist or landscape architect selected by the owner for three (3) years after construction.
 - 1.1. Report any changes in tree health or risk rating based on the initial post-construction health assessment.



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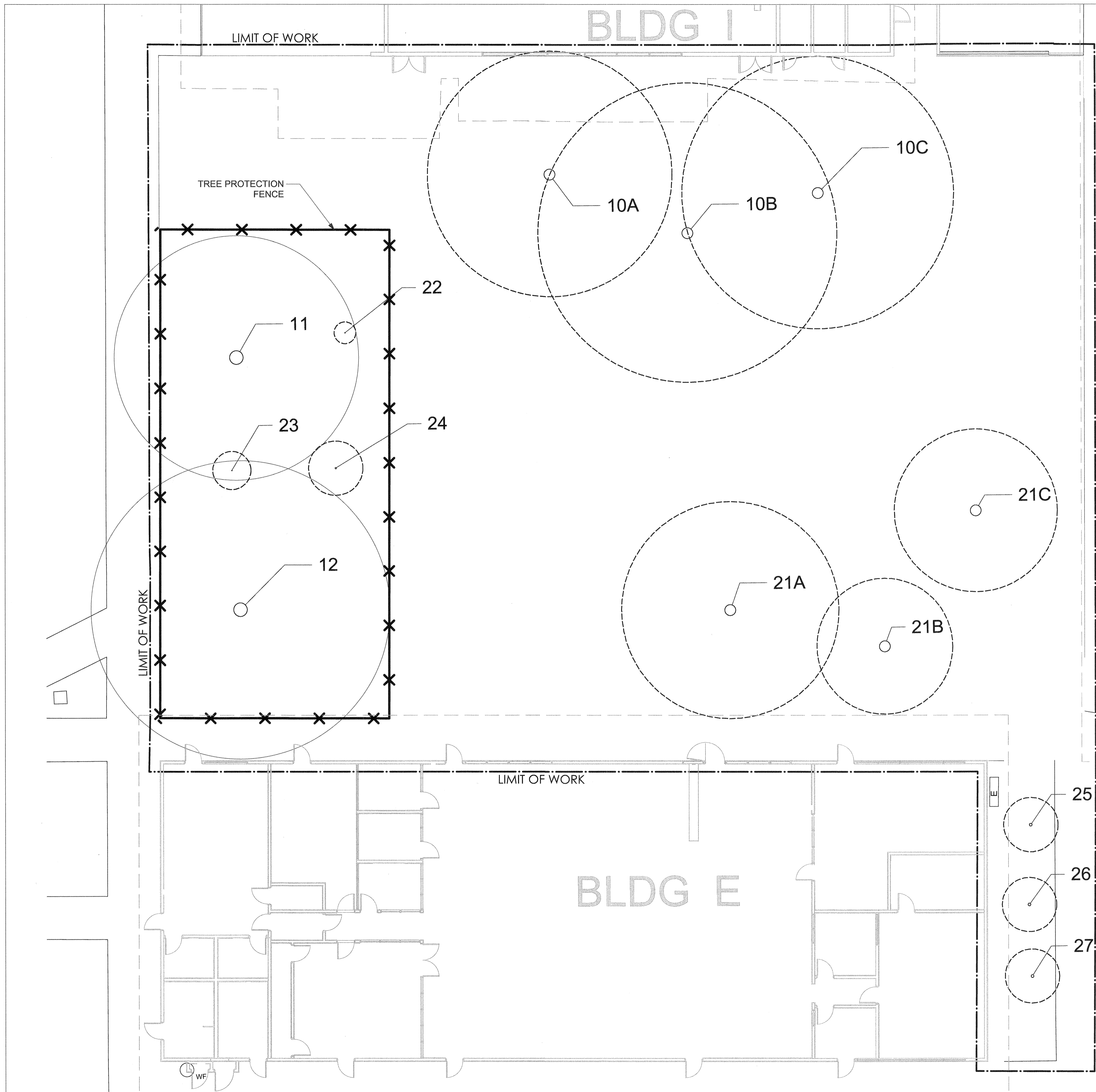
CONSTRUCTION DOCUMENTS

No.	Description	Date

Sheet Name
TREE PROTECTION NOTES

Date 7/24/2018
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LP-0.02

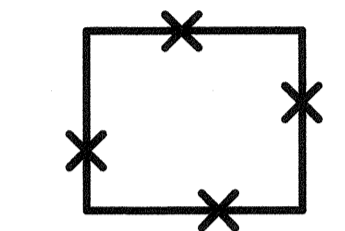


Existing Tree Report

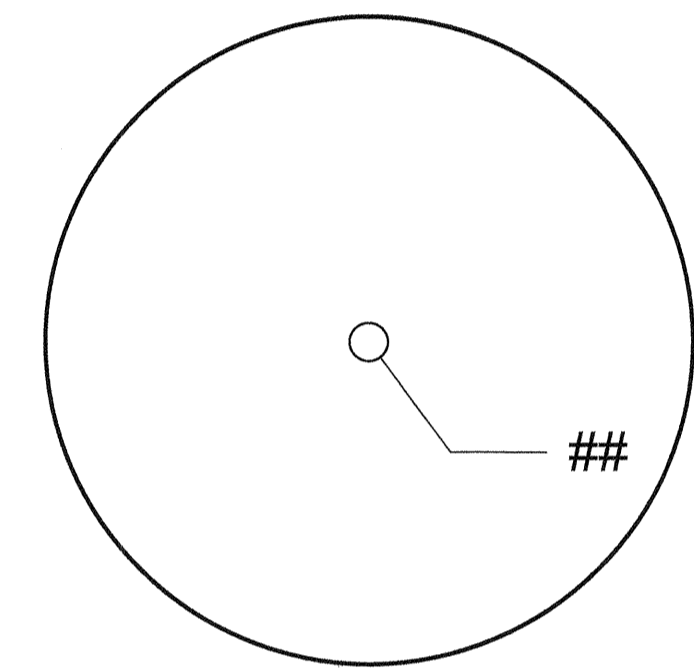
ID	Botanical Name	Common Name	Average Spread (ft)	Height (ft)	Condition	Significance	Action	Date Assessed
10A	Fraxinus udhei	Shamel Ash	45	60	Good	Less Significant	Remove	November, 2017
10B	Fraxinus udhei	Shamel Ash	55	60	Good	Less Significant	Remove	November, 2017
10C	Fraxinus udhei	Shamel Ash	50	60	Good	Less Significant	Remove	November, 2017
11	Quercus agrifolia	Coast Live Oak	45	45	Poor	Most Significant	Retain	November, 2017
12	Quercus agrifolia	Coast Live Oak	55	50	Good	Most Significant	Retain	November, 2017
21A	Eucalyptus viminalis	Manna Gum	40	65	Good	Less Significant	Remove	
21B	Eucalyptus speciosa	Gum	25	65	Good	Less Significant	Remove	
21C	Eucalyptus viminalis	Manna Gum	30	65	Good	Less Significant	Remove	
22	Quercus agrifolia	Coast Live Oak	4	4	Poor	Least Significant	Remove	
23	Quercus spp	Oak	7	9	Average	Least Significant	Remove	
24	Ulmus parvifolia	Chinese Elm	10	15	Average	Least Significant	Remove	
25	Lagerstroemia indica	Crape Myrtle	10	15	Good	Less Significant	Remove	
26	Lagerstroemia indica	Crape Myrtle	10	15	Good	Less Significant	Remove	
27	Lagerstroemia indica	Crape Myrtle	10	15	Good	Less Significant	Remove	

BLDG D

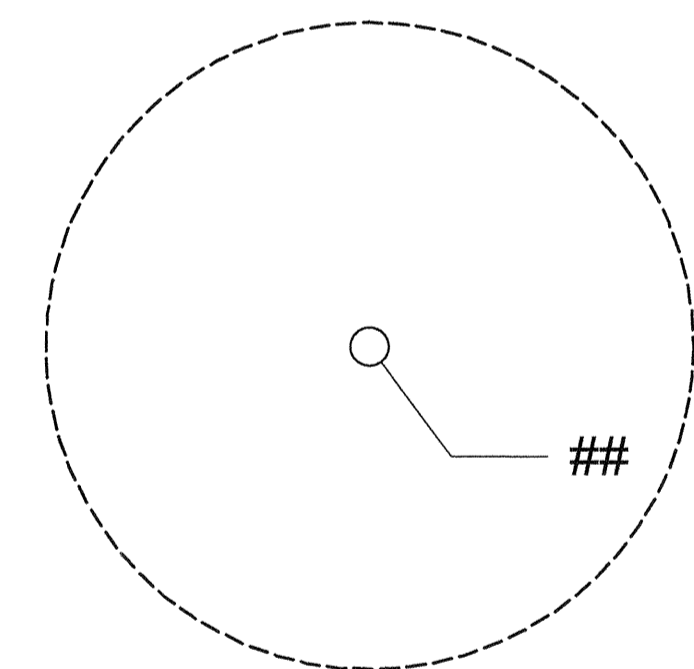
LIMIT OF WORK



TREE PROTECTION FENCE

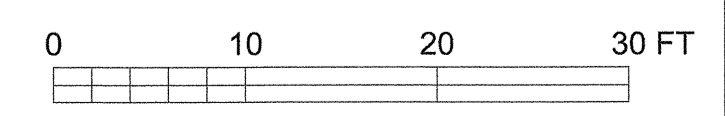
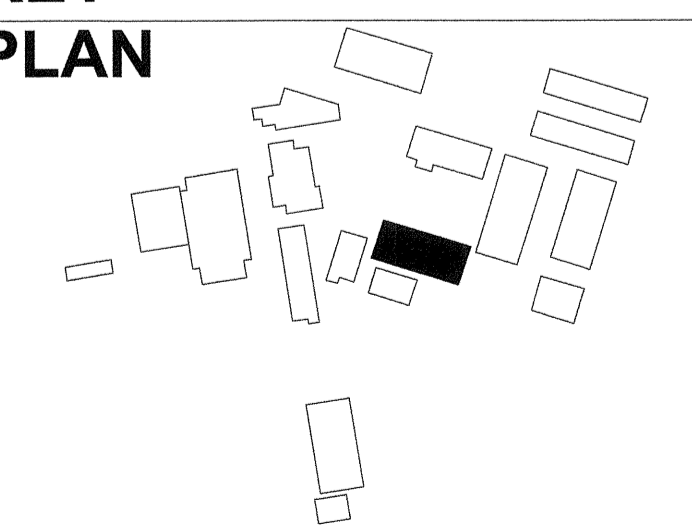


EXISTING TREE TO REMAIN AND BE PROTECTED

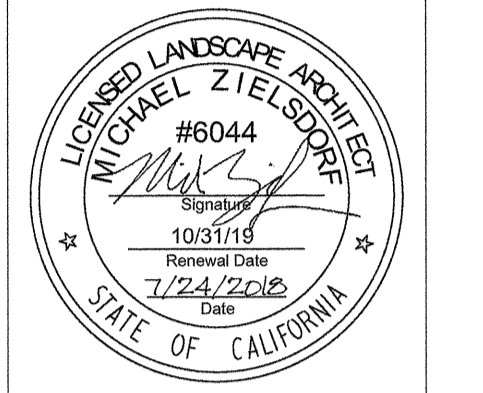


EXISTING TREE TO BE REMOVED

KEY PLAN



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TREE PROTECTION AND REMOVAL PLAN

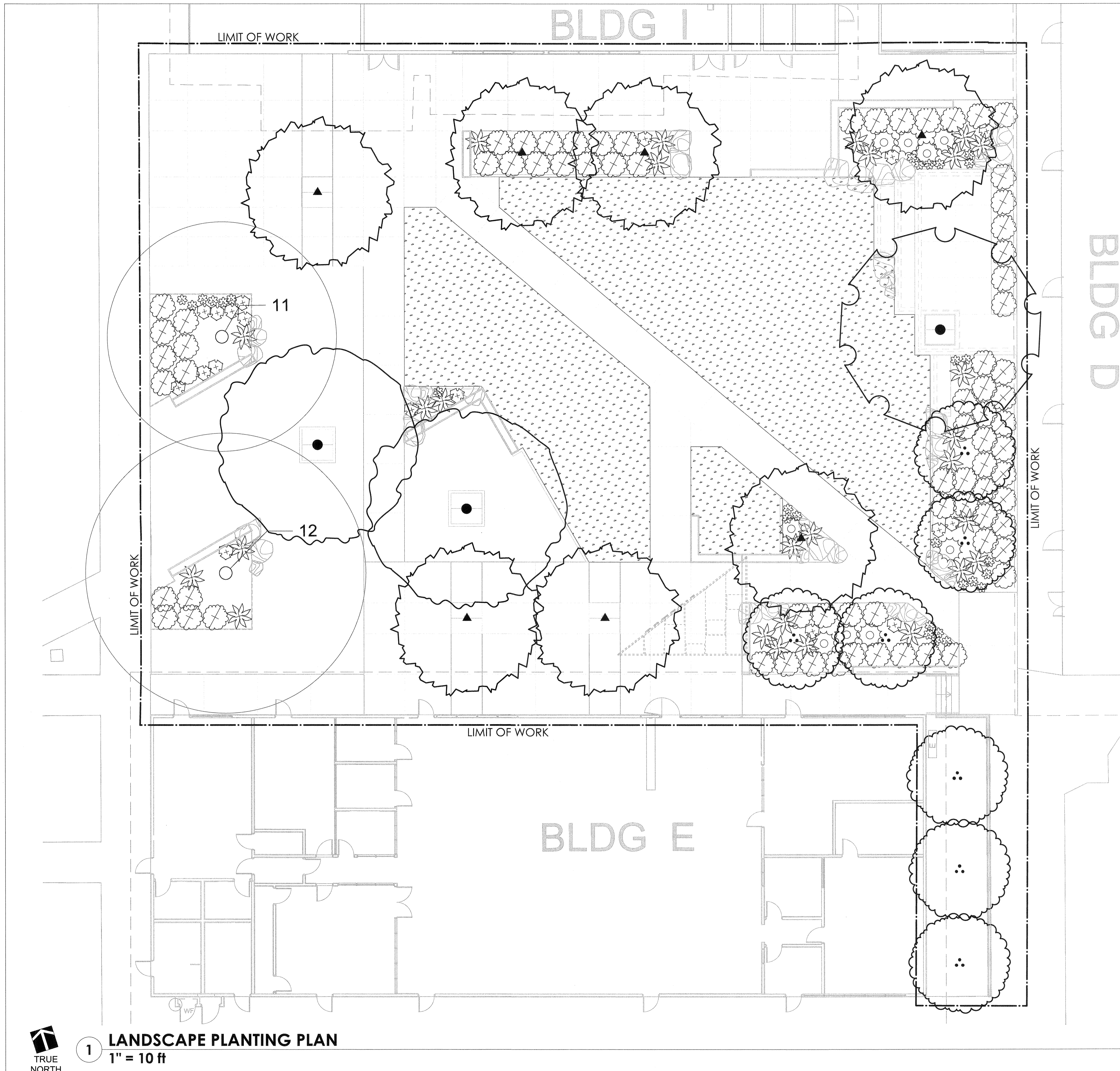
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2 TREE PRESERVATION AND REMOVAL PLAN
 1" = 10 ft



PLANTING NOTES

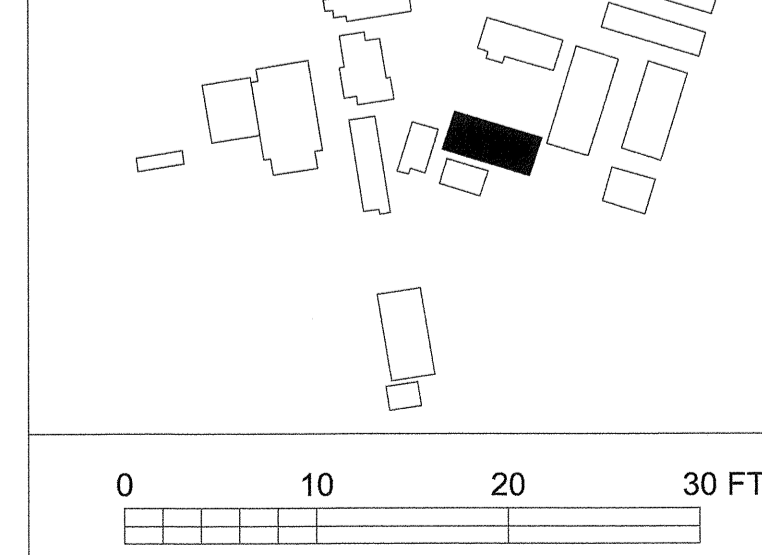
- SEE SHEET LP-0.01 FOR DETAILED PLANTING NOTES, SCHEDULES AND DETAIL REFERENCES.
- SEE SHEET LP-0.01 FOR MASTER SHRUB PLANTING LIST

PLANT SCHEDULE (THIS SHEET)

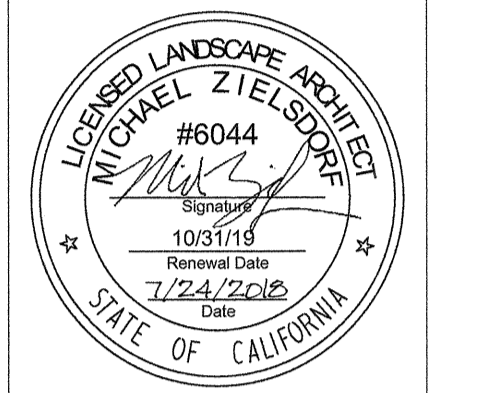
SYMBOL	LATIN NAME	COMMON NAME	SIZE
TREES			
	<i>Arbutus x 'Marina'</i>	Marina Strawberry Tree	4" box Mul
	<i>Platanus racemosa</i>	California Sycamore	48" box
	<i>Platanus racemosa</i>	California Sycamore	36" box
	<i>Quercus agrifolia</i>	Coast Live Oak	48" box
SHRUBS			
VINES			
	<i>Arctostaphylos 'Pacific Mist'</i>	Manzanita	10G
	<i>Agave attenuata</i>	Foxtail Agave	10G
	<i>Agave vilmoriniana</i>	Octopus Agave	5G
	<i>Aloe striata</i>	Coral Aloe	5G
	<i>Agave 'Blue Flame'</i>	Blue Flame Agave	5G
GROUNDCOVERS & TURF			
	<i>Pennisetum clandestinum</i>	Kikuyugrass 'AZ-1'	



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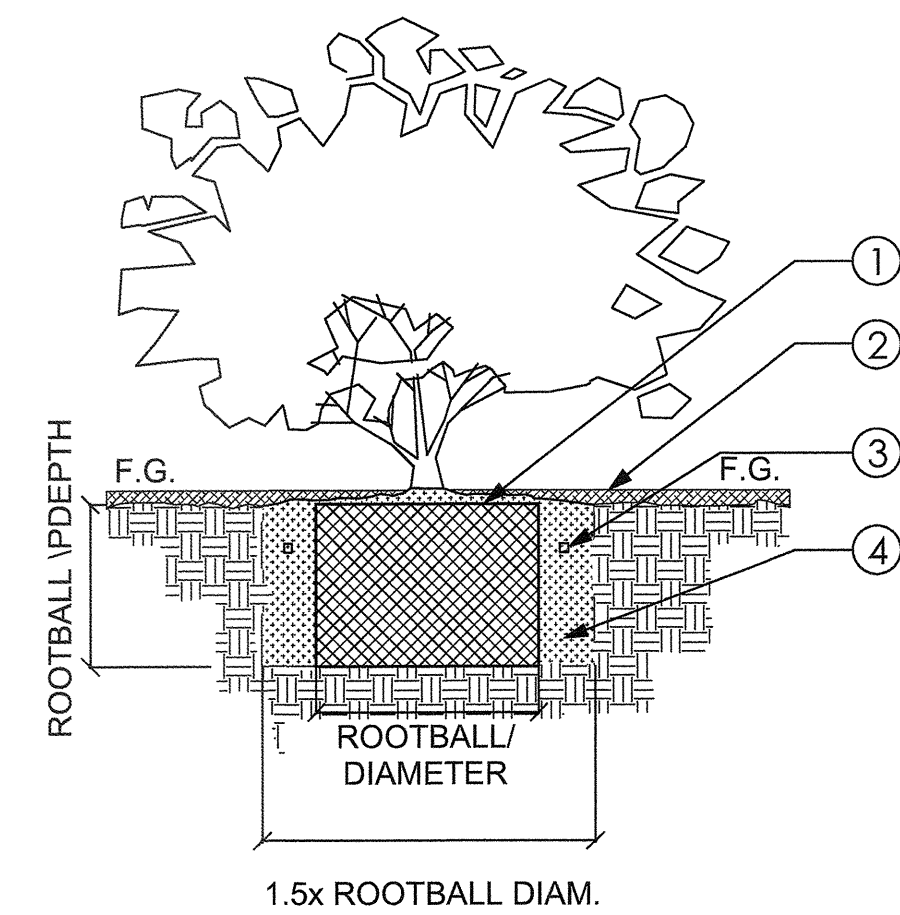
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PLANTING PLAN

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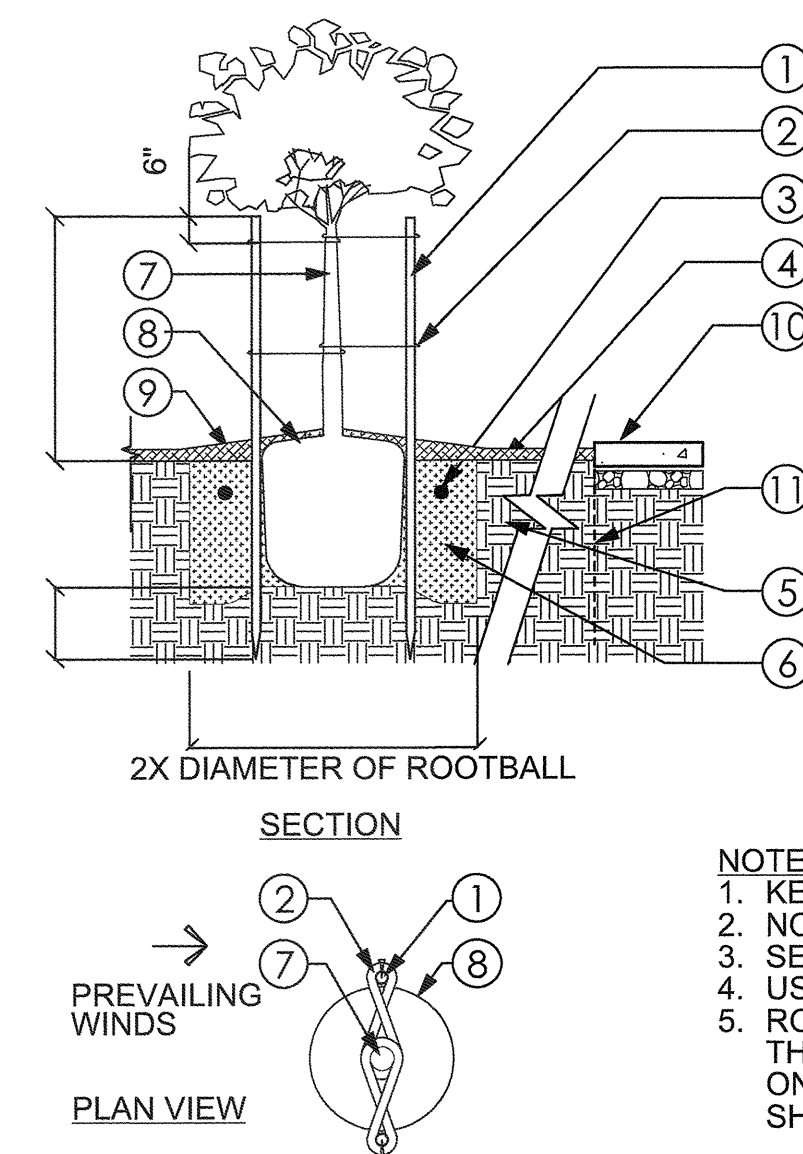
LP-1.01



- LEGEND:**
- ① ROOTBALL SET 1" ABOVE F.G.
 - ② BARK MULCH
 - ③ PLANTING TABLETS
 - ④ BACK FILL MIX.

A SHRUB PLANTING

SCALE: 3/4" = 1'-0"



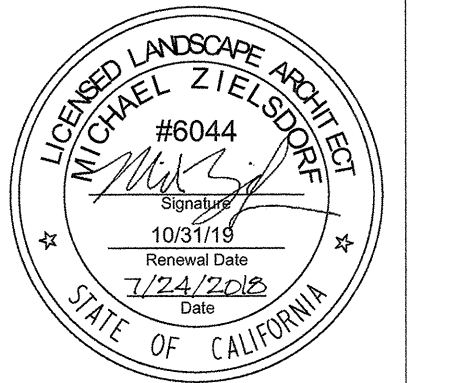
- LEGEND:**
- ① 2" DIA. LODGE POLE STAKES (2) EACH FOR 24" BOX TREES AND SMALLER
 - ② RUBBER CINCH TIES-MIN. (4) PER TREE
 - ③ PLANT TABLETS PER SPECIFICATIONS
 - ④ FINISH GRADE
 - ⑤ NATIVE SUBGRADE
 - ⑥ BACK FILL MIX PER SPECIFICATIONS
 - ⑦ TREE STEM
 - ⑧ ROOTBALL: SET 2" ABOVE ADJACENT FINISH GRADE
 - ⑨ BARK MULCH. SET MULCH LAYER 1" ABOVE TOP OF ROOTBALL.
 - ⑩ ADJACENT SIDEWALK OR CURB
 - ⑪ ROOT BARRIER

- NOTES:**
1. KEEP MULCH 3" FROM STEM OF PLANT
 2. NO WATERING BASIN
 3. SEE GUY DETAIL FOR TREES LARGER THAN 24" BOX
 4. USE GALVANIZED NAILS TO SECURE CINCH TIES TO STAKES
 5. ROOT BARRIER SHALL HAVE A MIN. DEPTH OF 24" WITH A MIN. THICKNESS OF 6 MM. BARRIERS SHALL BE 10' LONG CENTERED ON TREE TRUNK. INSTALL PER MANUFAC. SPECS. BARRIERS SHALL BE INSTALLED 1" ABOVE F.G.

B TREE PLANTING WITH ROOT BARRIER

SCALE: 3/8" = 1'-0"

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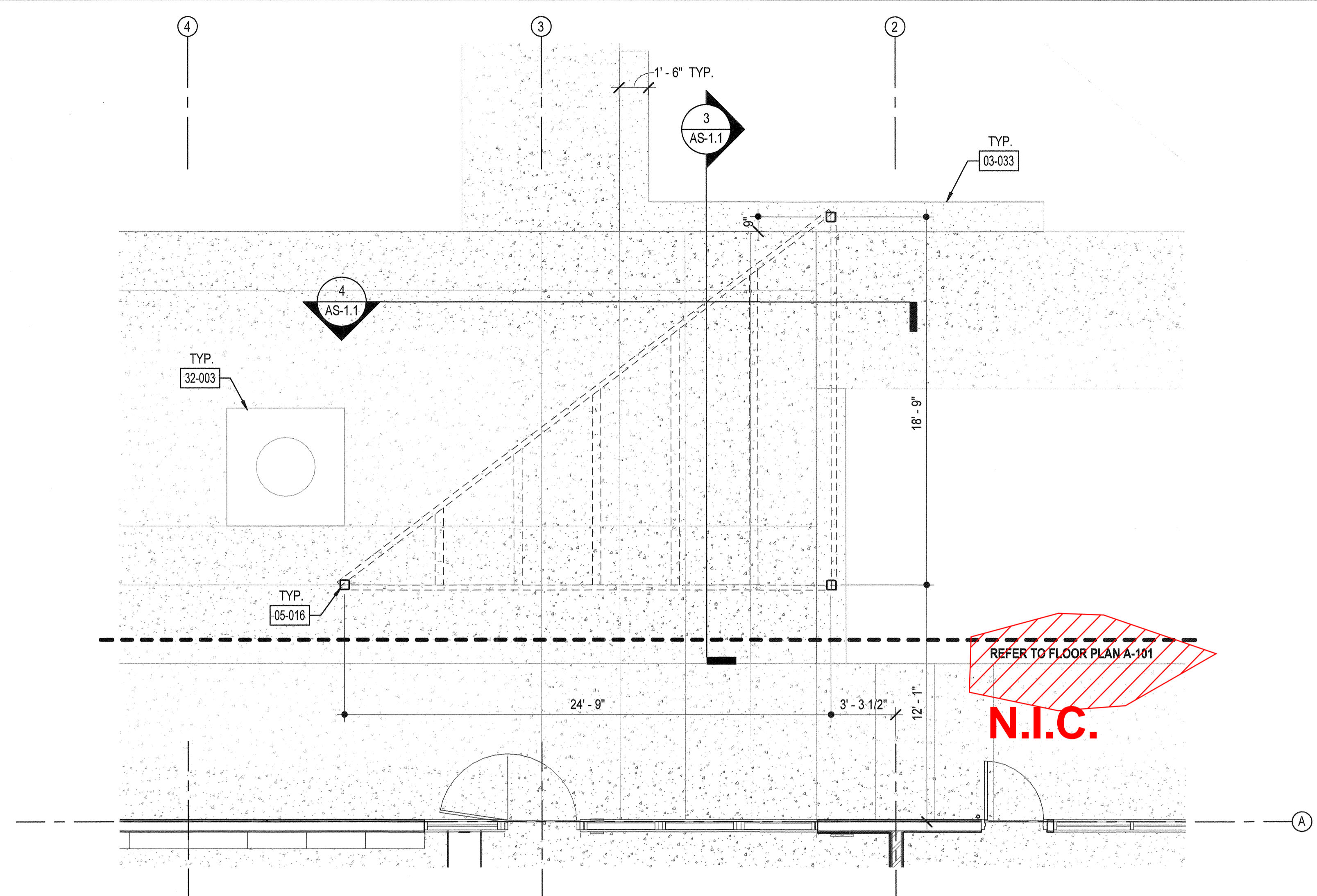
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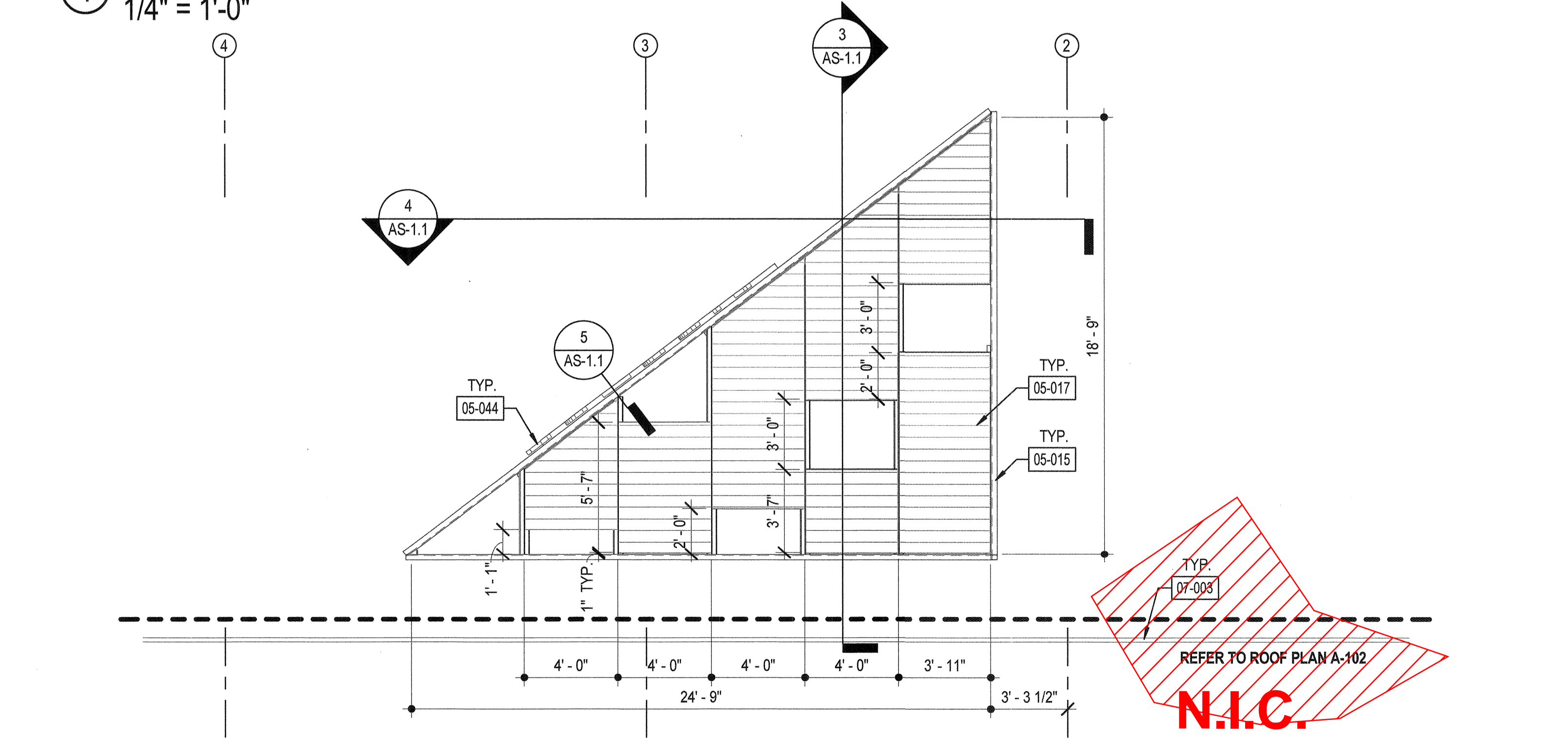
Sheet Name
**PLANTING
 DETAILS**

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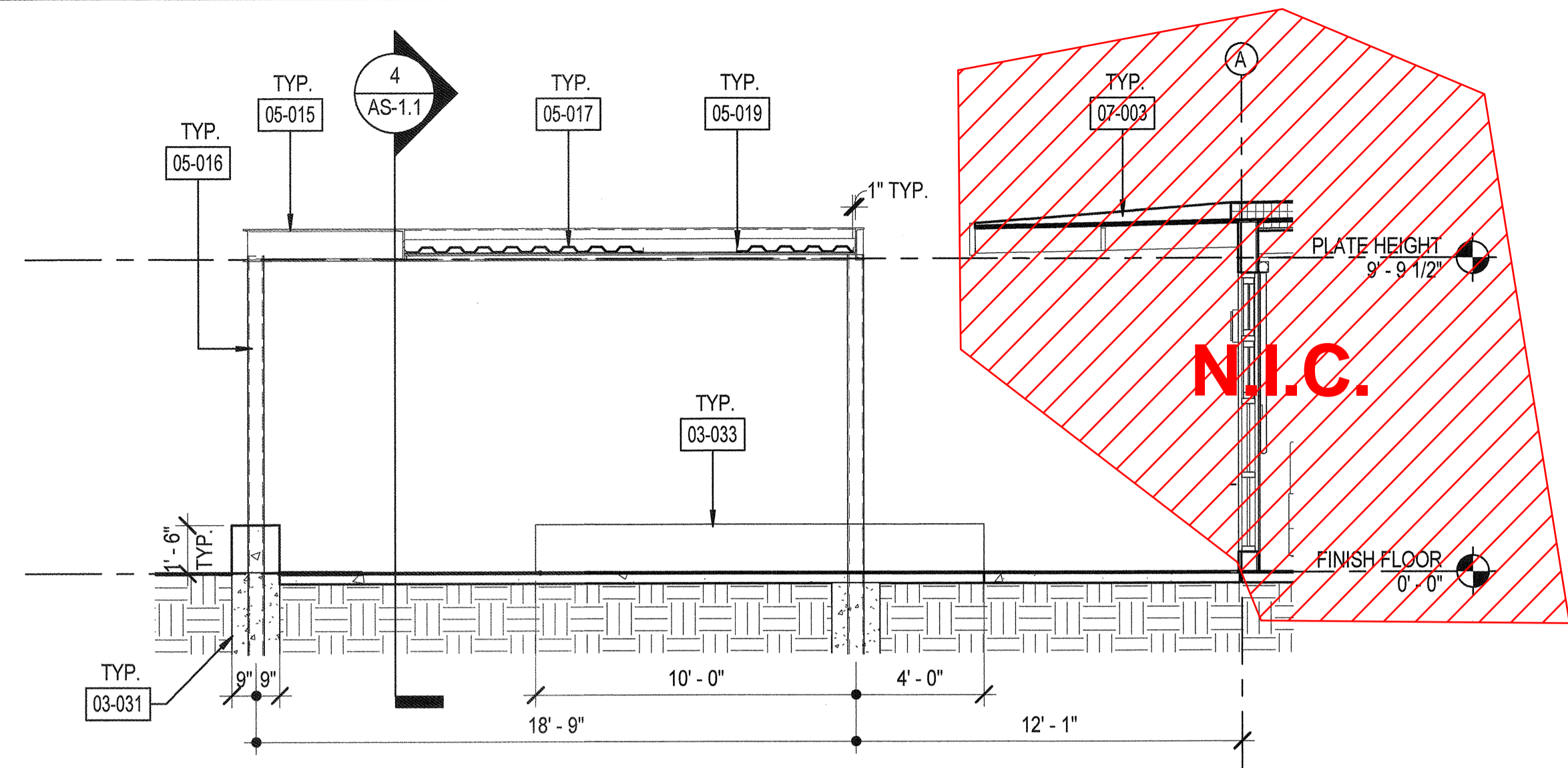
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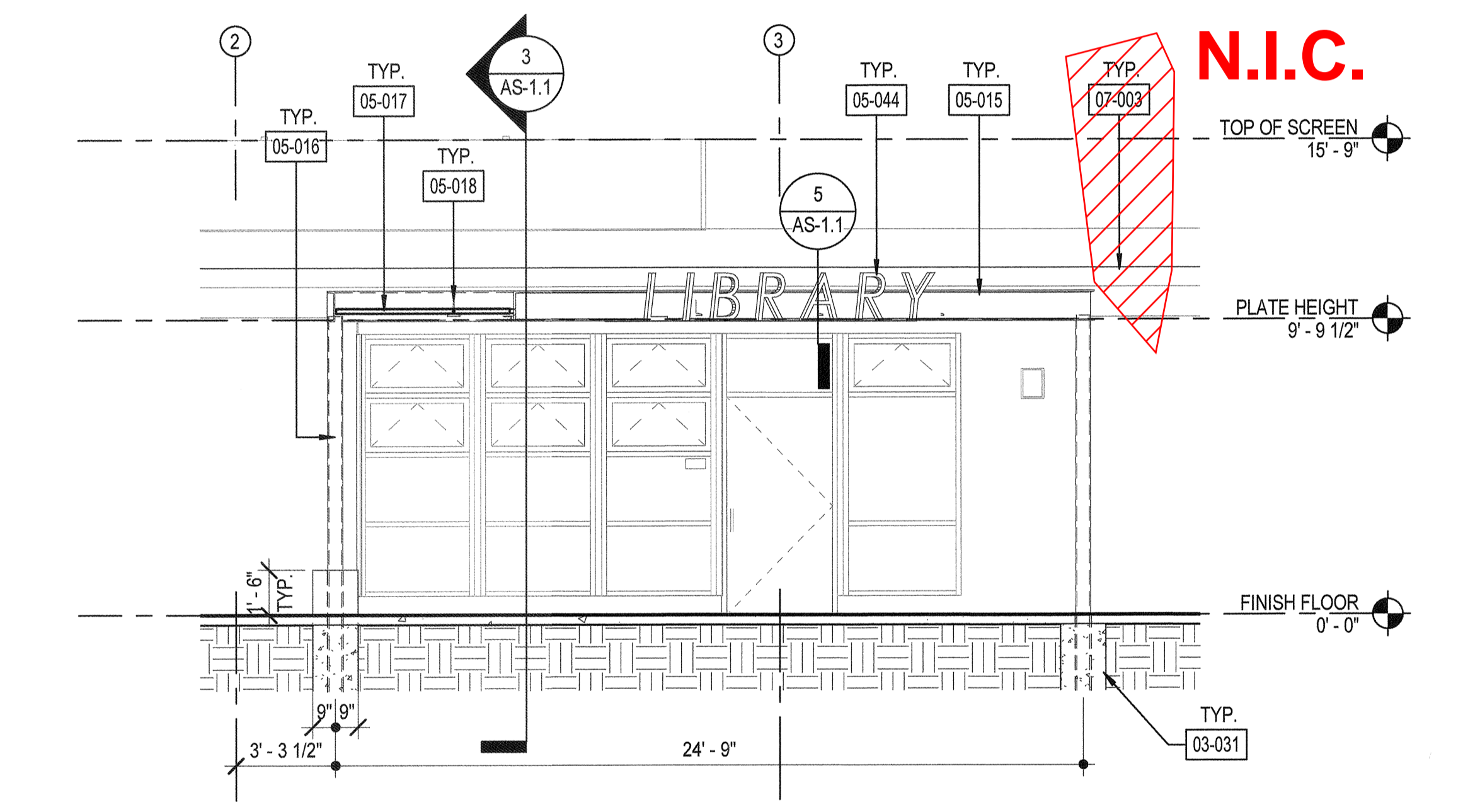
① SITE PLAN - TRELLIS
1/4" = 1'-0"



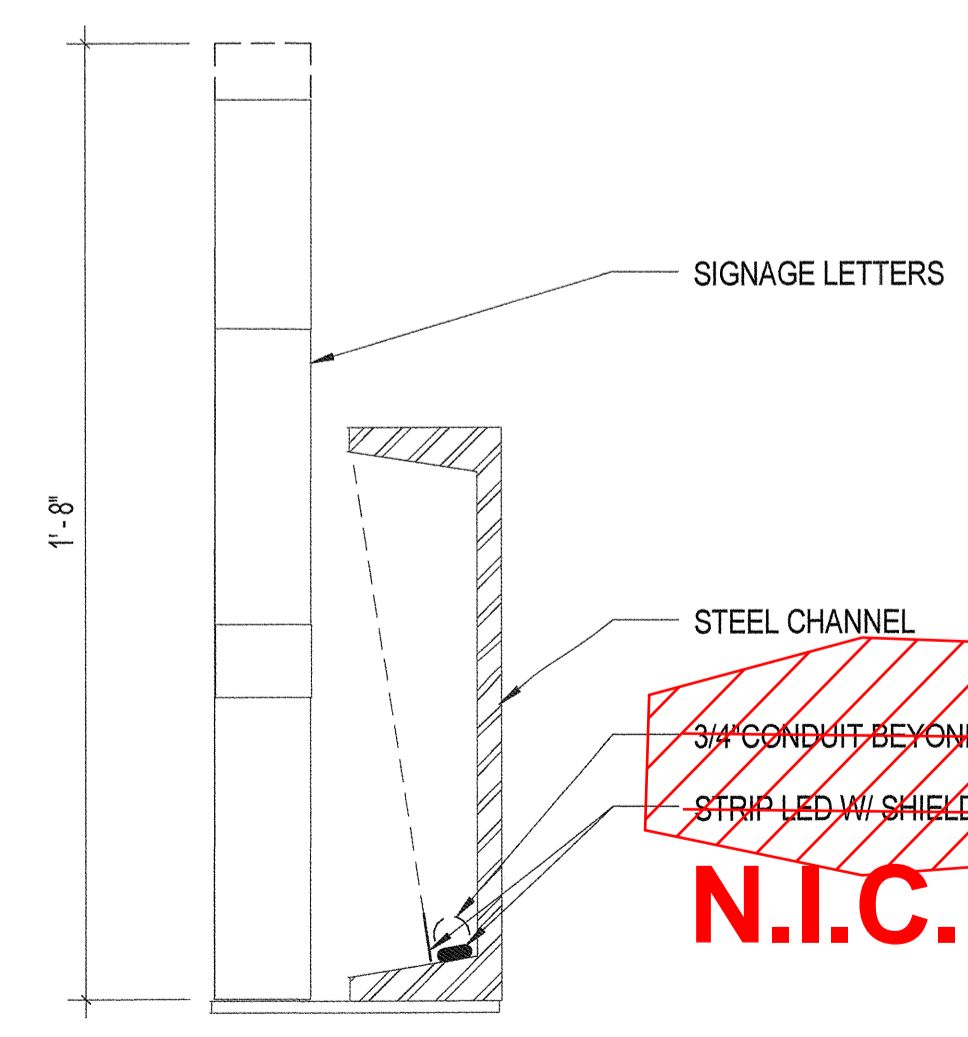
② ROOF PLAN - TRELLIS
1/4" = 1'-0"



③ TRELLIS SECTION 1
1/4" = 1'-0"



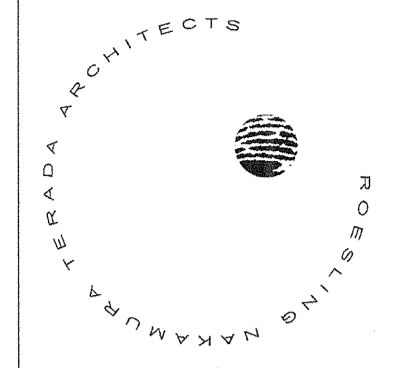
④ TRELLIS SECTION 2
1/4" = 1'-0"



⑤ TRELLIS SIGNAGE DETAIL
3" = 1'-0"

KEYNOTES

- 03-031 CONCRETE FOOTING, REFER TO STRUCTURAL DRAWINGS
- 03-033 CAST-IN-PLACE CONCRETE BENCH, REFER TO LANDSCAPE DRAWINGS
- 05-015 STEEL CHANNEL, REFER TO STRUCTURAL DRAWINGS
- 05-016 STEEL HSS COLUMN, REFER TO STRUCTURAL DRAWINGS
- 05-017 METAL DECK, REFER TO STRUCTURAL DRAWINGS
- 05-018 STRUCTURAL TEE, REFER TO STRUCTURAL DRAWINGS
- 05-019 STEEL ANGLE REINFORCING FOR METAL DECK, REFER TO STRUCTURAL DRAWINGS
- 05-044 STEEL LETTERING
- ~~07-003 ROOF ASSEMBLY, REFER TO ROOF PLAN~~
- 32-003 STEEL TREE GRATE, REFER TO LANDSCAPE DRAWINGS



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1401 MARICOPA HWY.
OJAI, CA 93023

CONSTRUCTION
DOCUMENTS

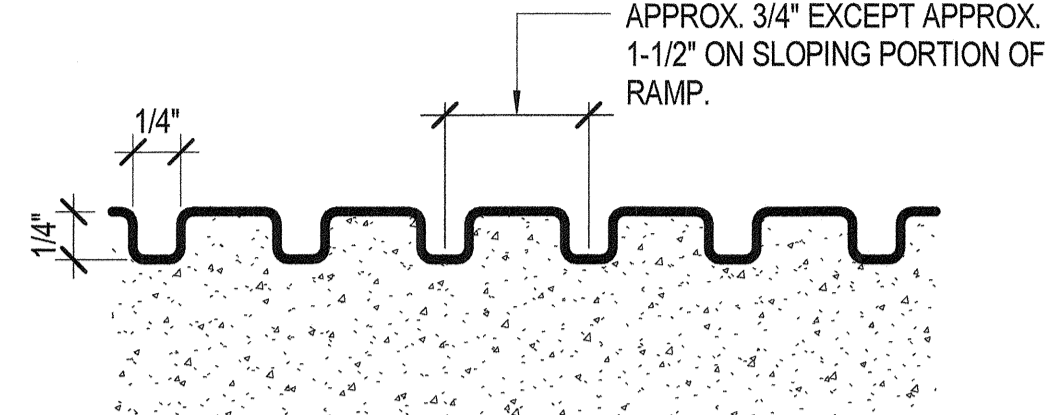
No.	Description	Date

Sheet Name

SITE PLAN -
TRELLIS
SECTIONS,
DETAILS

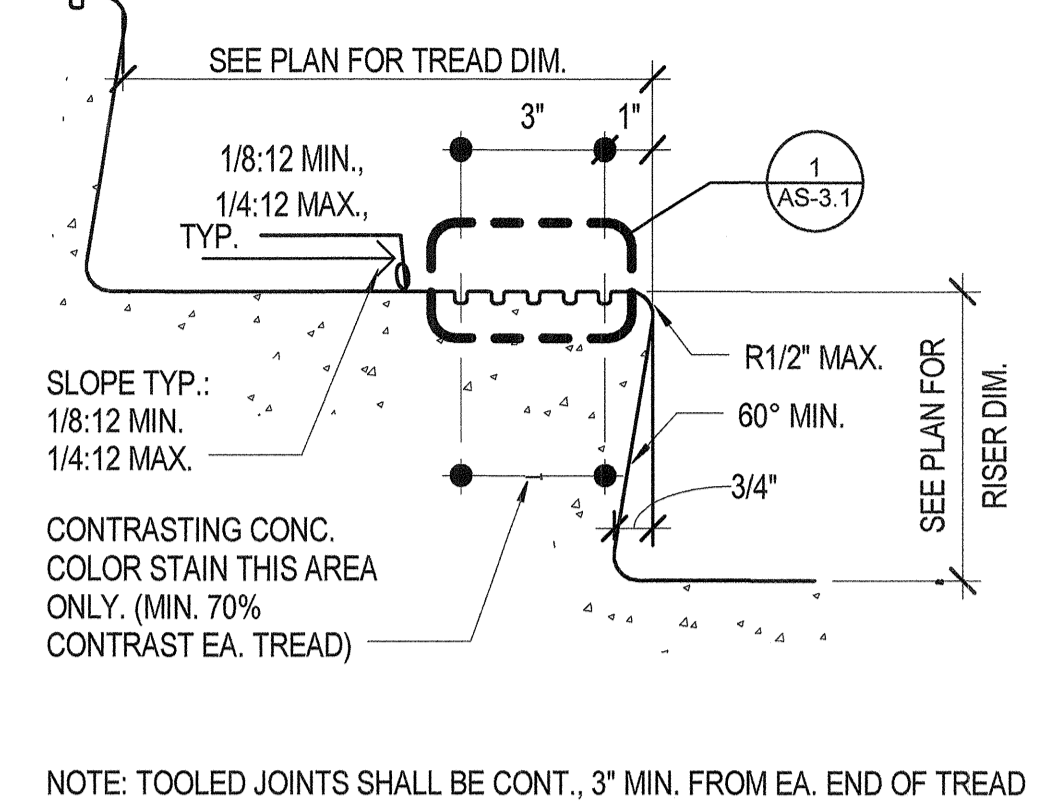
17770.00
Date 06/06/18
Drawn by CY
Checked by CY
Sheet Number

AS-1.1



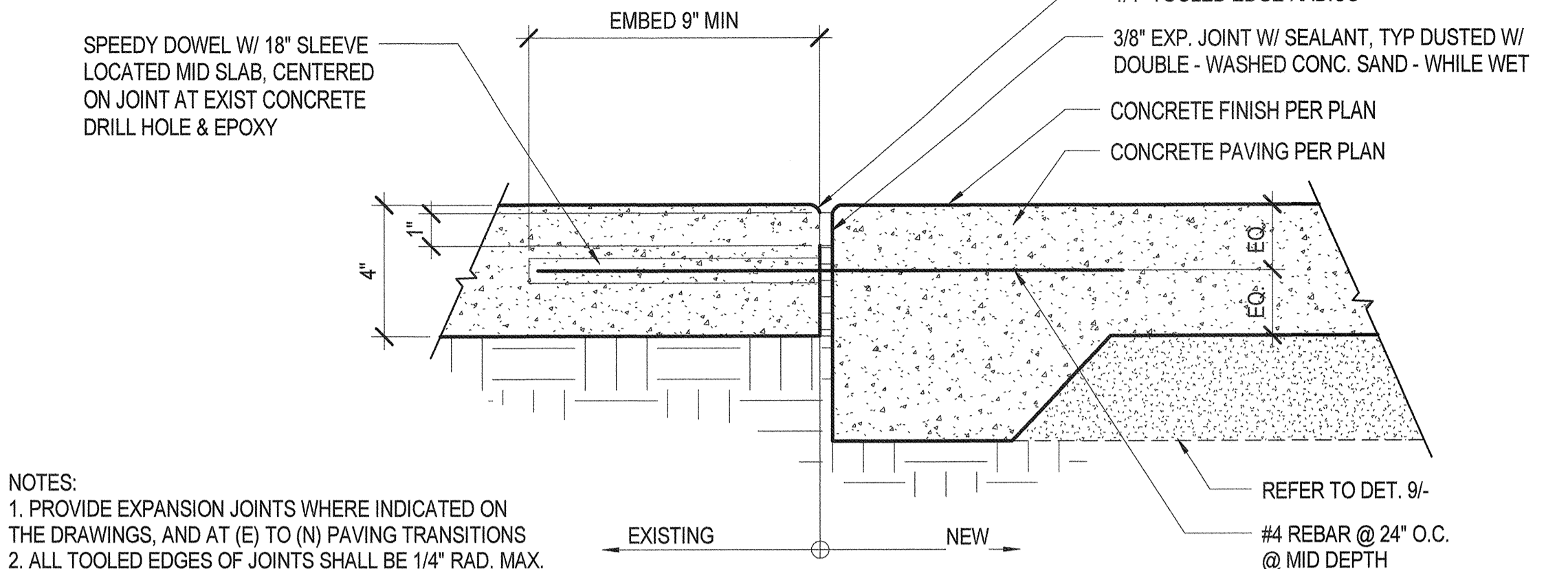
CONCRETE GROOVING

12" = 1'-0" (1)



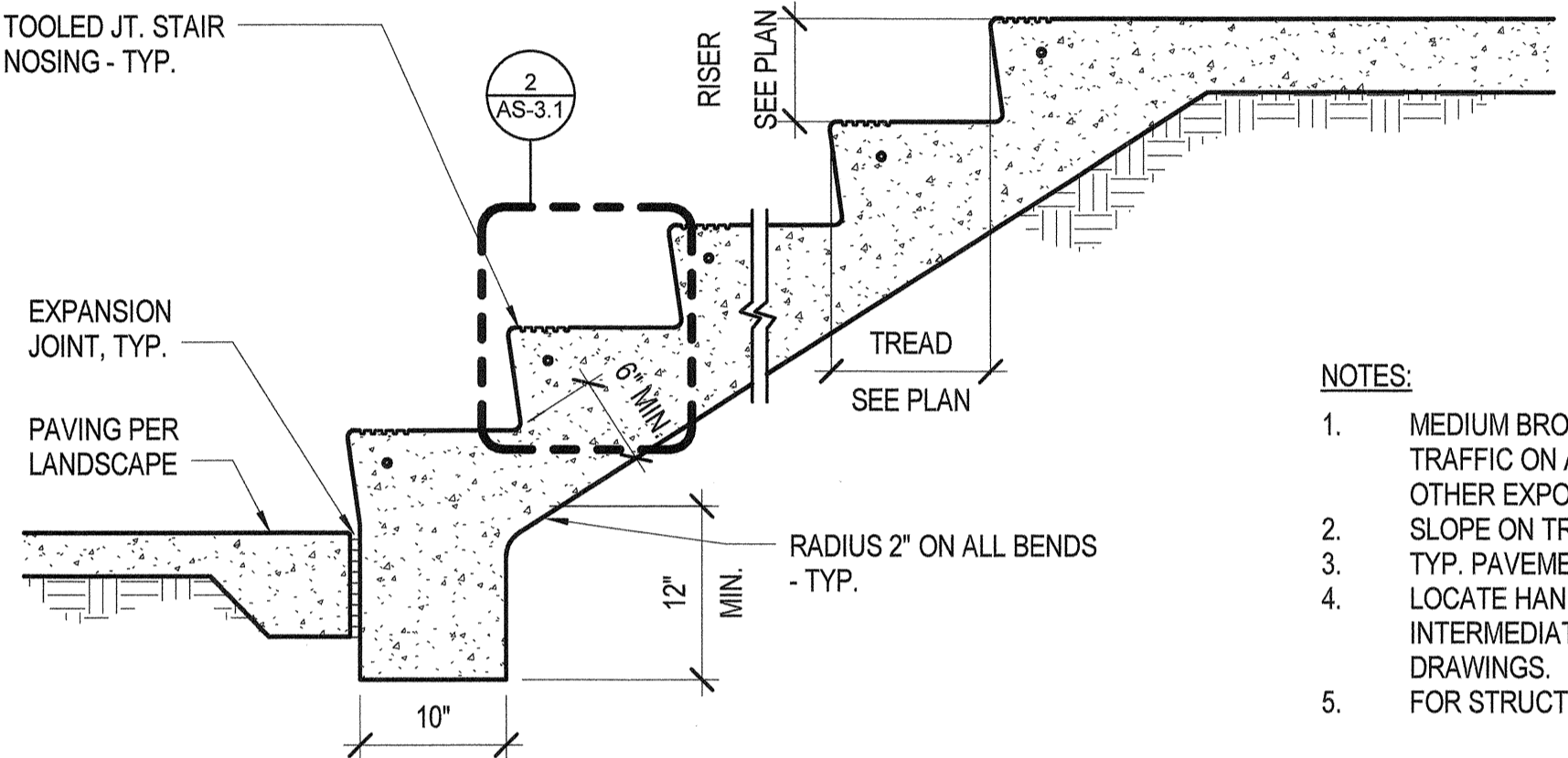
CONCRETE SITE STAIR NOSING

3" = 1'-0" (2)



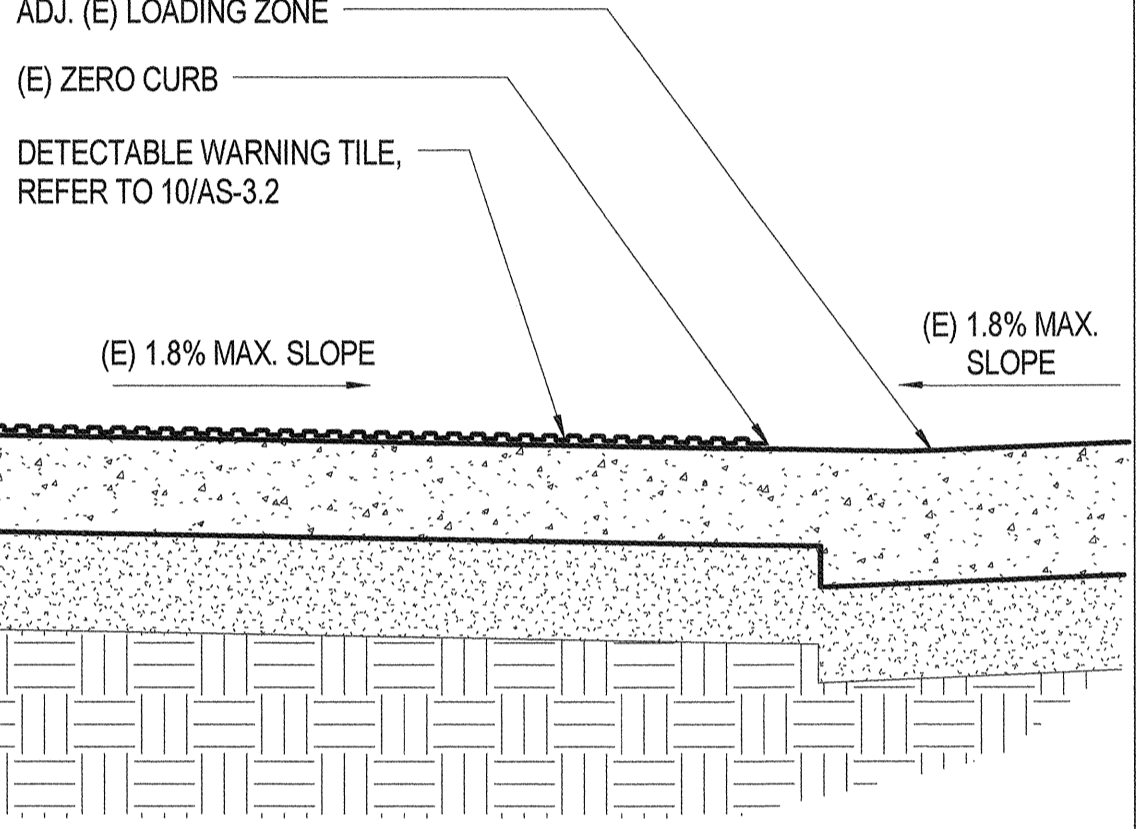
EXPANSION JOINT @ EXISTING CONCRETE

3" = 1'-0" (4)



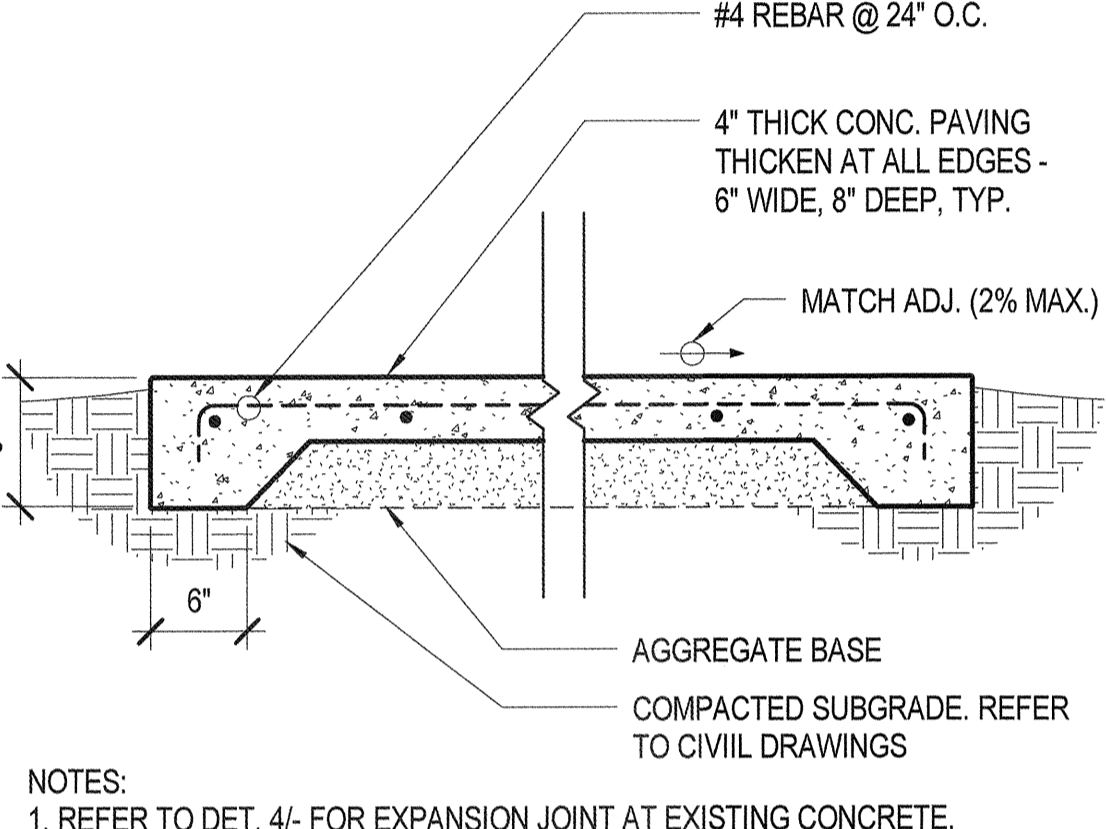
CONCRETE SITE STAIRS SECTION

1" = 1'-0" (7)



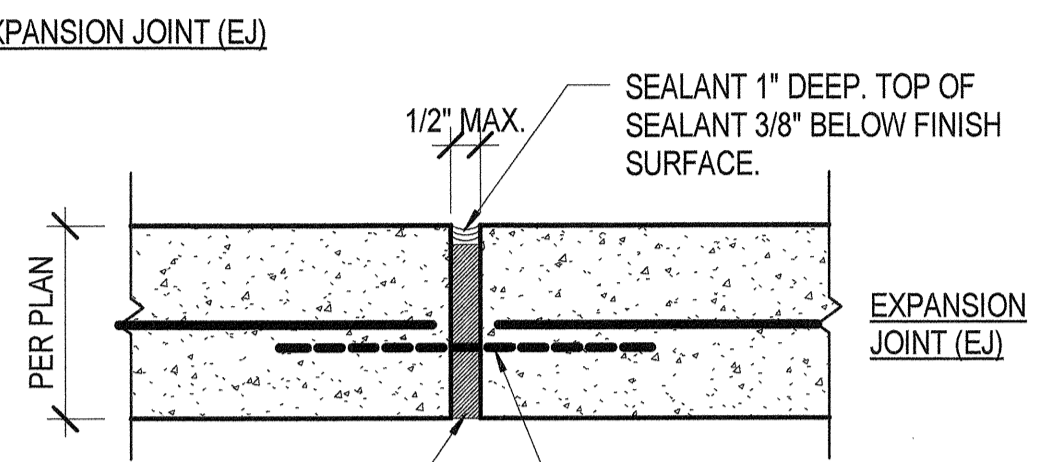
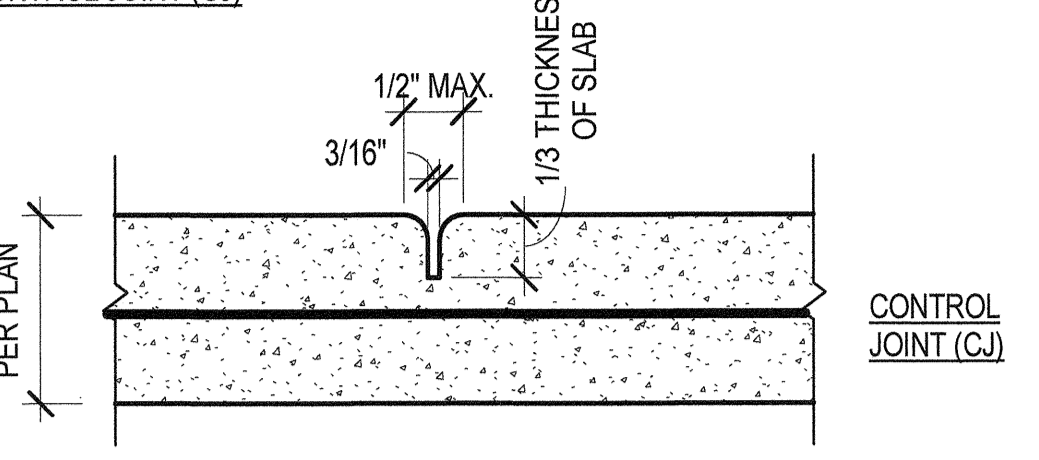
DETECTABLE @ ZERO CURB

1 1/2" = 1'-0" (8)



TYPICAL CONCRETE PAVEMENT

1" = 1'-0" (9)



CONCRETE JOINTS

CJ CONTROL / CONTRACTION JOINTS TROWEL 3/16" TO 1/4" WIDE BY AT LEAST 1/3 DEPTH OF SLAB OR 1-1/2" JOINT SHALL EXTEND THROUGH THE FULL SECTION OF THE CONCRETE AT EDGES & AGAINST EDGED CONSTRAINTS. 1/4" TOOLED RADIUS.

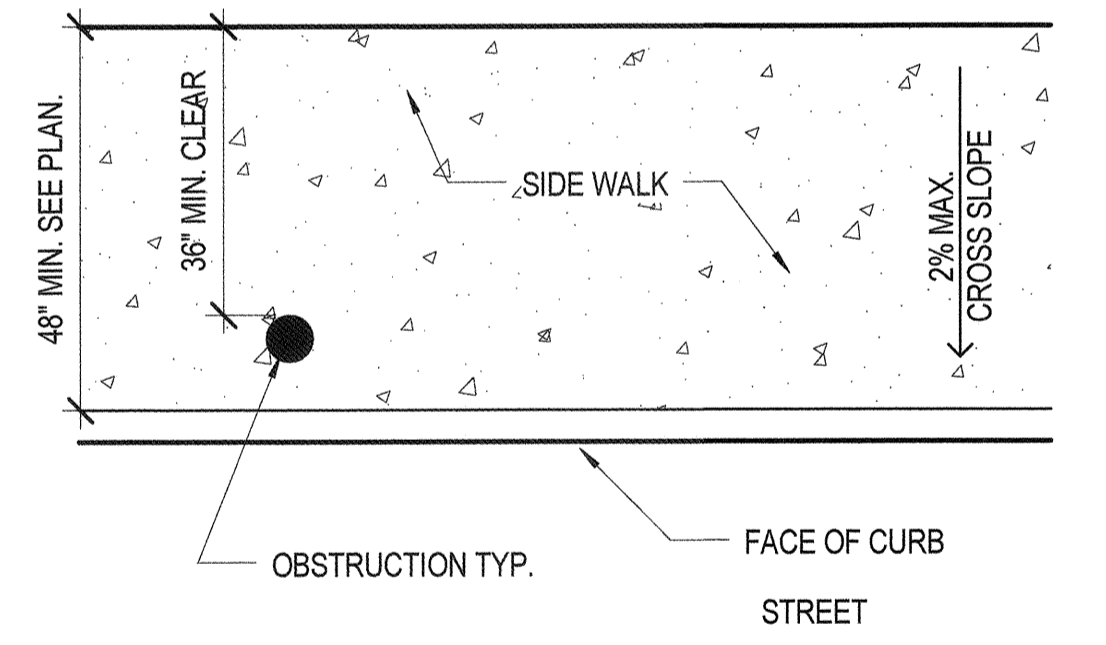
EJ EXPANSION / ISOLATION JOINTS FORMED WITH PREFORMED EXPANSION JOINT MATERIAL WITH REMOVABLE TOP STRIP FOR PLACEMENT OF SEALANT

NOTES:

- ALL JOINTS OTHER THAN EXPANSION JOINTS SHALL BE TOOLED CONTROL JOINTS U.N.O.
- INSTALL EXPANSION JOINTS AT ALL LOCATIONS WHERE PAVEMENT MEETS BUILDINGS, WALLS, AND OTHER PERMANENT STRUCTURES OR AT 100' MAX O.C.

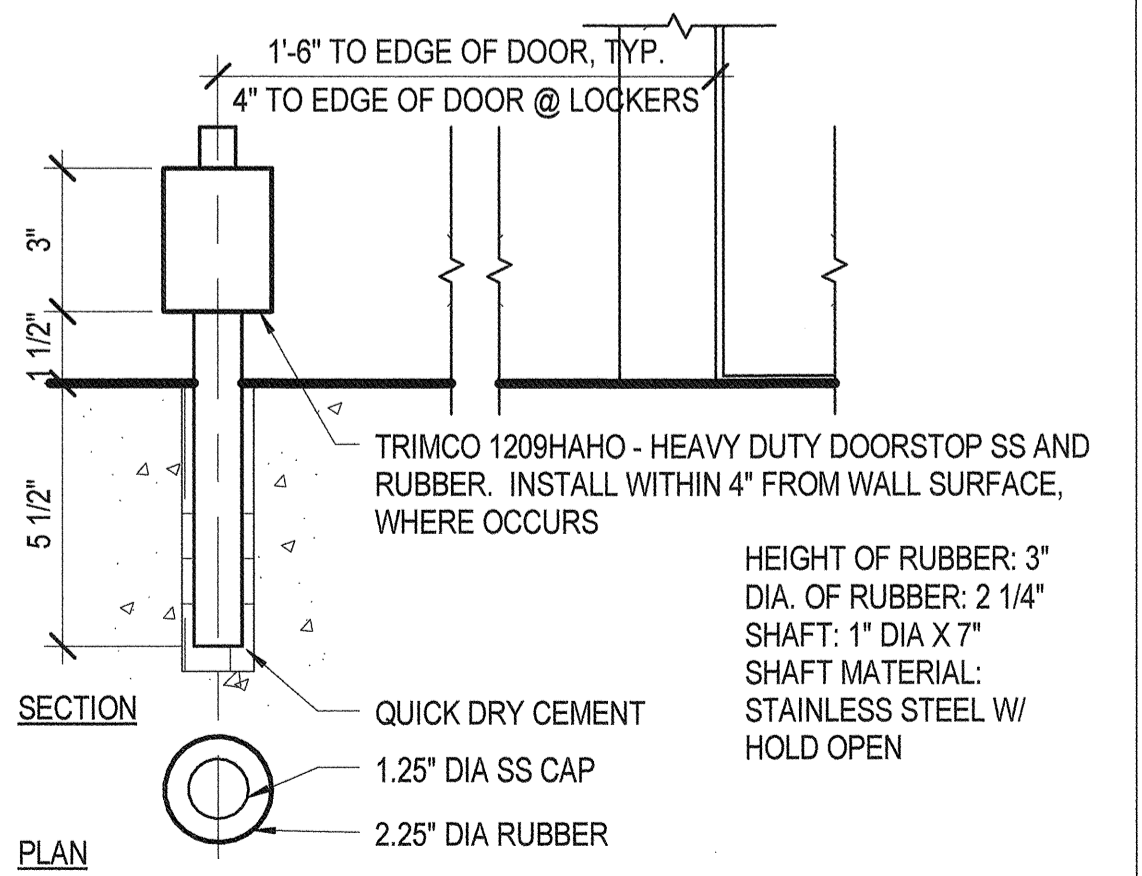
JOINTS @ CONC. PAVEMENT

3/4" = 1'-0" (10)



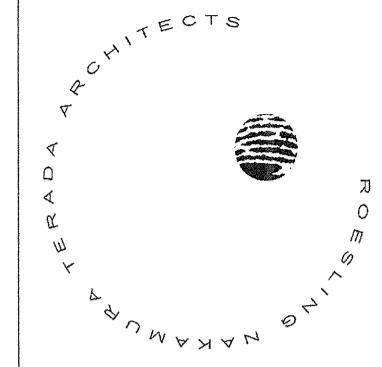
ACCESSIBLE SIDEWALK OBSTRUCTIONS

1/2" = 1'-0" (14)

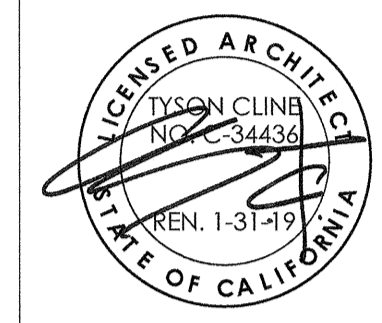


DOOR STOP

3" = 1'-0" (18)



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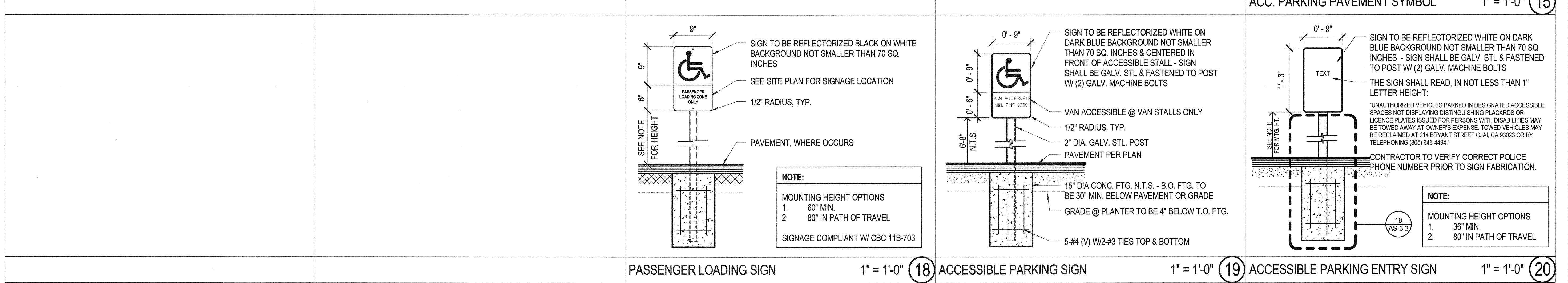
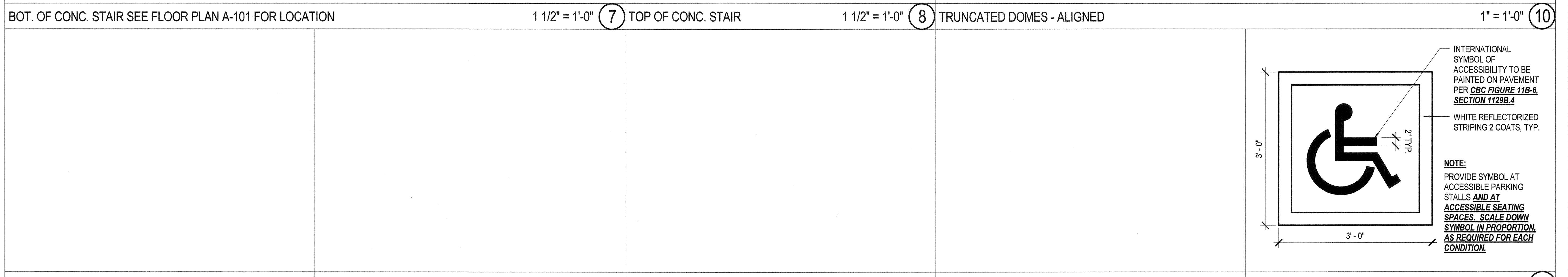
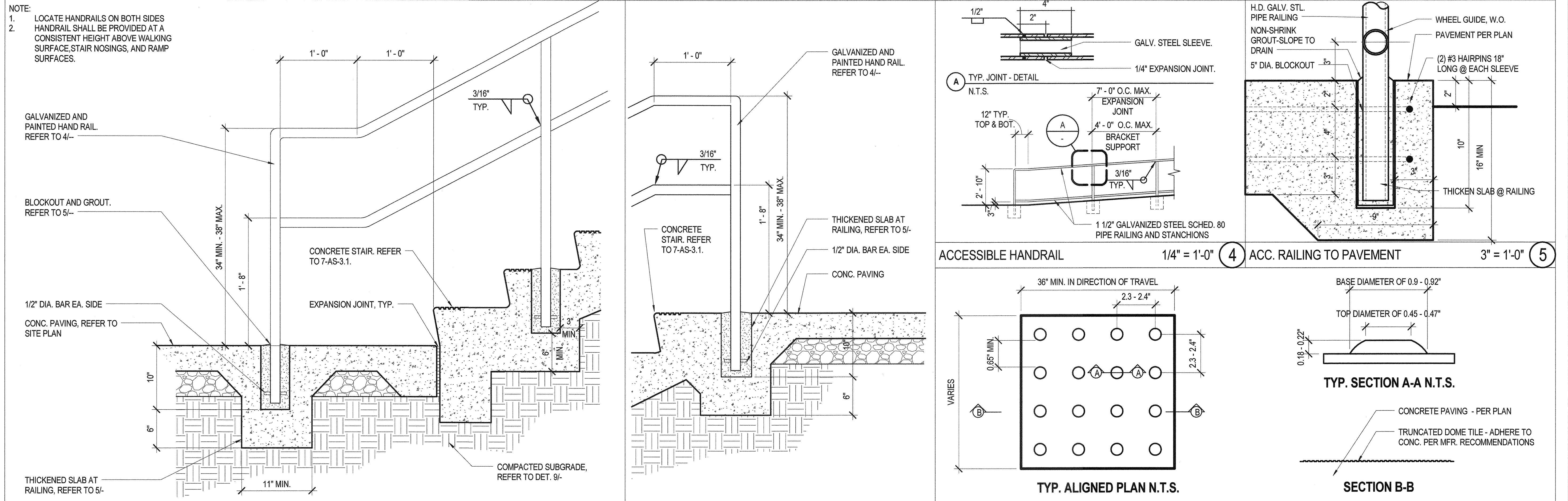
CONSTRUCTION DOCUMENTS

No.	Description	Date

Sheet Name
SITE DETAILS
 Date 17770.00
 Date 04/12/18
 Drawn by JR
 Checked by CY
 Sheet Number

AS-3.1


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No.	Description	Date

Sheet Name

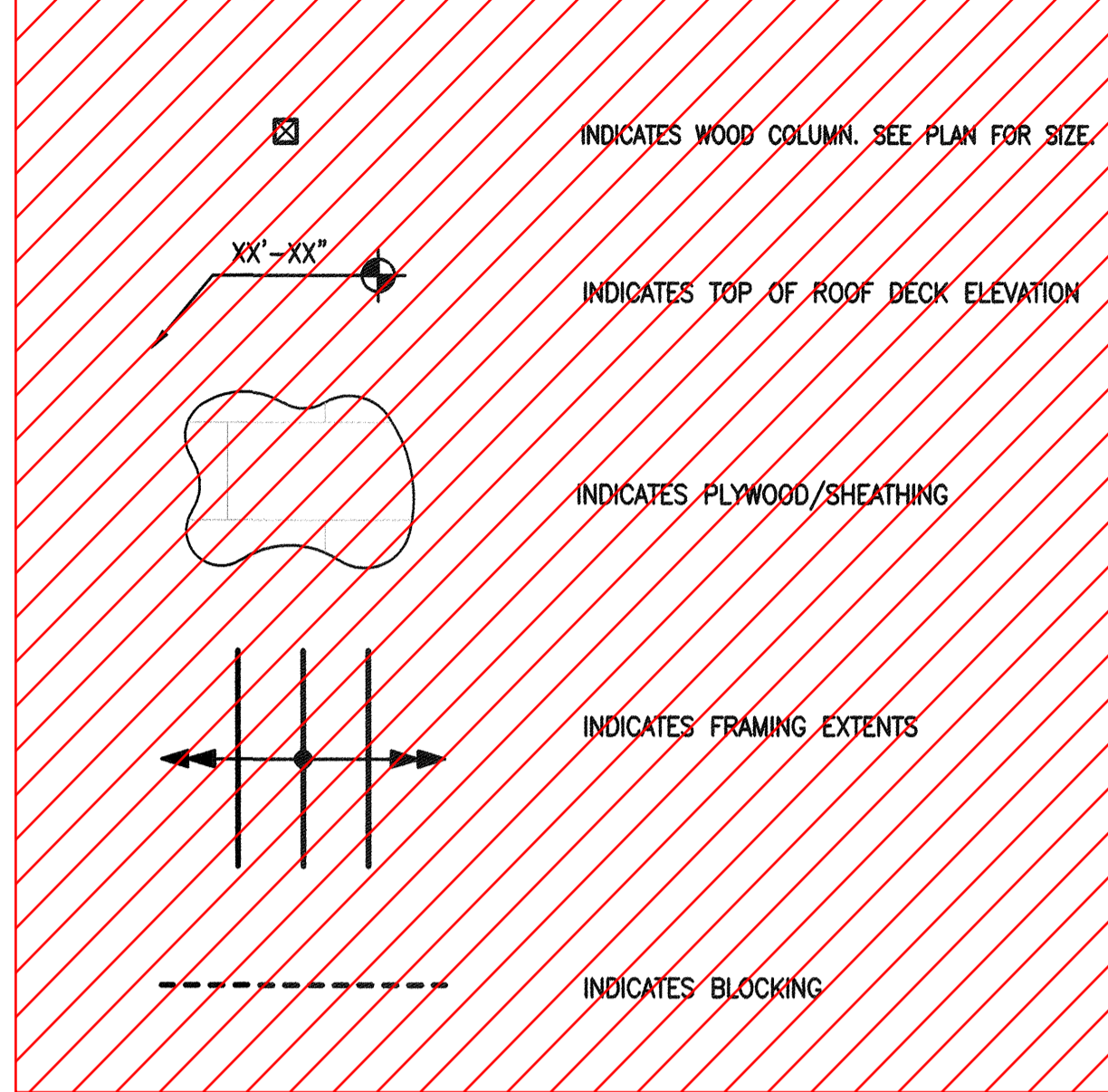
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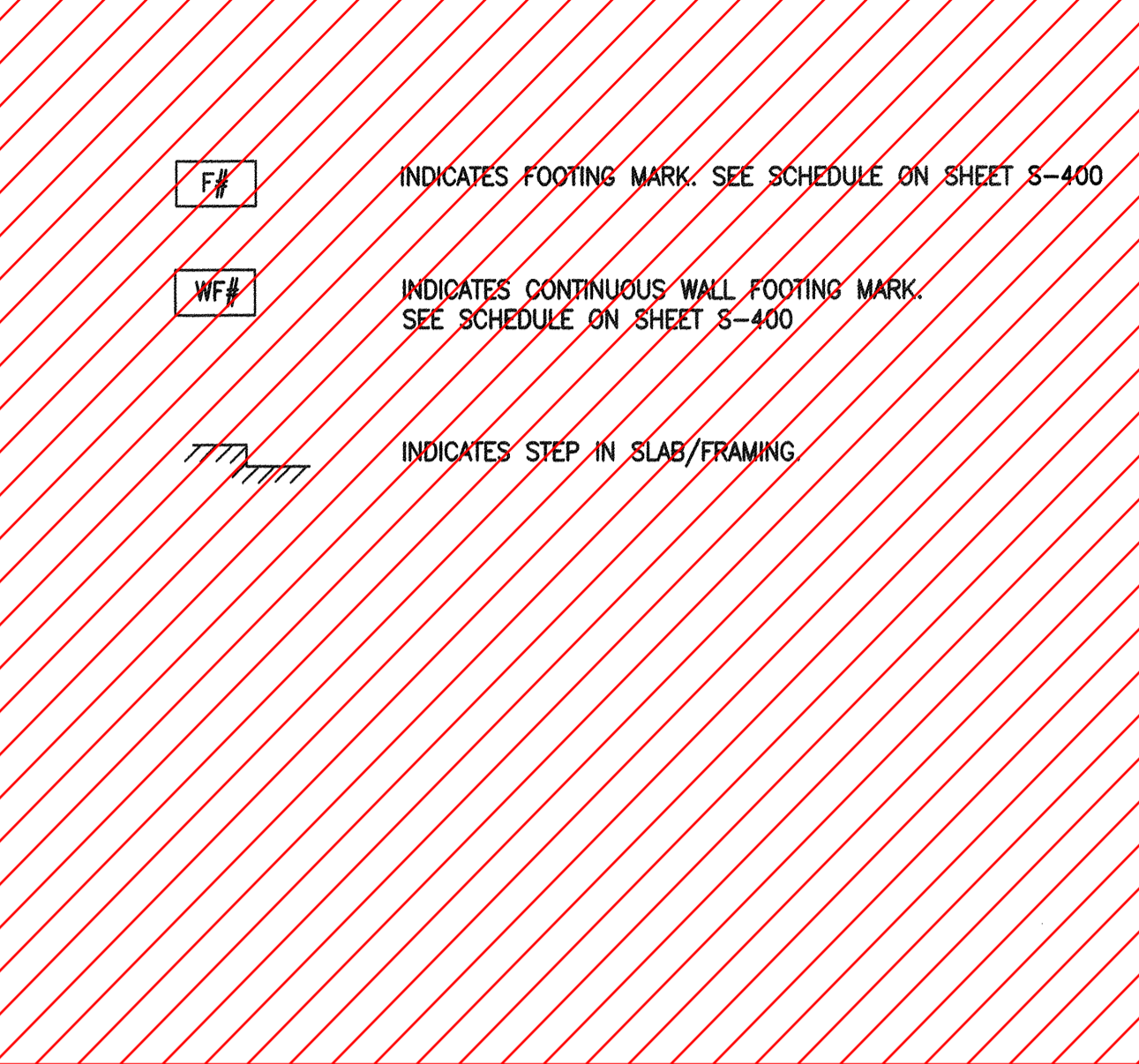
- I. TESTING AND INSPECTION
- SPECIAL INSPECTION IN ACCORDANCE WITH SECTION 1701 OF CBC REQUIRED FOR BUT NOT LIMITED TO:
 - FOOTING EXCAVATIONS AND COMPACTION - PERIODIC
 - PLACEMENT OF CONCRETE - CONTINUOUS
 - PLACEMENT OF REINFORCING STEEL - PERIODIC
 - ANCHOR BOLTS SET IN CONCRETE - PERIODIC
 - CONCRETE / GROUT STRENGTH TESTING - CONTINUOUS
 - EPOXY ANCHOR, EPOXY DOWEL - PERIODIC
 - STRUCTURAL WELDING (SHOP AND FIELD) - CONTINUOUS AT COMPLETE, PARTIAL, AND FILLET WELDS > 5/16".
 - OTHERWISE PERIODIC SHEAR CONNECTOR (WELD STUD) - PERIODIC
 - HIGH STRENGTH BOLTING - PERIODIC
 - DIAPHRAGM AND SHEARWALL NAILING - PERIODIC
 - THE FOLLOWING ADDITIONAL SYSTEMS AND COMPONENTS IN STRUCTURES ARE SUBJECT TO PERIODIC SPECIAL INSPECTIONS:
 - SUSPENDED CEILING SYSTEMS AND THEIR ANCHORAGE
 - EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN WIND OR SEISMIC FORCE RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM OR A WIND OR SEISMIC RESISTING COMPONENT LISTED IN THE DSA 103 SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE DSA 103 AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN THE FOLLOWING:
 - ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS
 - ACKNOWLEDGEMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL.
 - PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING AND THE DISTRIBUTION OF THE REPORTS.
 - IDENTIFICATION AND QUALIFICATION OF THE PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITIONS(S) IN THE ORGANIZATION.
- II. STRUCTURAL STEEL
- ALL STRUCTURAL STEEL TO BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF AISC SPECIFICATIONS.
 - ALL WELDING SHALL CONFORM TO CURRENT AMERICAN WELDING SOCIETY STANDARDS AND TO BE PERFORMED BY CERTIFIED WELDERS.
 - STEEL GRADES:
 - PLATES: OTHER SHAPES AND RODS: ASTM A 36
 - W SHAPES: ASTM A 992
 - HOLLOW STRUCTURAL SECTIONS (HSS): ASTM A 500, GRADE B
 - PIPE: ASTM A 53, GRADE B
 - BOLTS:
 - ASTM A 325N FOR STEEL TO STEEL-STEEL CONNECTIONS, UNO
 - ASTM A 307 FOR WOOD CONNECTIONS, A STANDARD WASHER IS REQUIRED UNDER BOLT HEAD OR NUT BEARING ON WOOD.
 - ANCHOR BOLTS: ASTM F 1554, GRADE 36. ANCHOR BOLTS SHALL HAVE STANDARD BOLT HEAD, EXCEPT AS NOTED

REQUIRED EMBEDMENT DIAMETER	LEDGER, ETC	SILL PLATES & COLUMN TOPS
1/2"	4"	6"
5/8"	5"	7"
3/4"	5"	7"
7/8"	6"	8"
1"	6"	9"
 - FRAME ANCHOR BOLTS: F 1554, GRADE 36
 - BASE PLATES: ASTM A36
 - FRAME BASE PLATES: ASTM A 572, GRADE 50.
 - DOUBLER PLATES, CONTINUITY PLATES AND GUSSET PLATES IN FRAME JOINTS: ASTM A572, GRADE 50.
 - ALL WELDING ELECTRODES SHALL BE E70XX, UNLESS OTHERWISE NOTED.
 - ALL GROOVE WELDS SHALL BE COMPLETE PENETRATION, UNO.
 - ALL FILLET WELDS SHALL BE PER AISC. MINIMUM SIZES ARE BASED ON THICKNESS OF MATERIALS JOINED, UNO.
 - HEADED STUD ANCHORS (HSA) / WELDED STUDS (WS): ASTM A108. WELDED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS AND PROCEDURES. REFER TO DETAILS FOR STUD DIAMETER AND LENGTH.
 - DEFORMED BAR ANCHORS (DBA): ASTM A496. WELDED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS AND PROCEDURES. REFER TO DETAILS FOR BAR DIAMETER AND LENGTH.
 - STEEL BEAMS ARE EQUALLY SPACED BETWEEN DIMENSION POINTS OR GRID LINES, UNO
 - ALL DETAILS ARE TYPICAL. FOR CONDITIONS NOT SPECIFICALLY SHOWN, CONTRACTOR SHALL APPLY SIMILAR CONCEPT OR INTENT TO DETAIL THOSE CONDITIONS AND SUBMIT FOR REVIEW AND APPROVAL.
 - BOLT HOLES SHALL BE NO MORE THAN 1/16" OVERSIZE, UNLESS OTHERWISE NOTED. WHERE OVERSIZED HOLE IS REQUIRED AT BASE PLATES, PROVIDE 5/16"x3"x3" PLATE WASHER WELDED TO THE BASE PLATE, WITH 1/4" FILLET WELD x 2 1/2" ON THREE SIDES.
 - ALL STEEL EXPOSED TO THE WEATHER SHALL BE GALVANIZED, UNLESS OTHERWISE NOTED.
 - BEAMS SHALL BE CAMBERED AS NOTED ON DRAWINGS. CAMBER SHALL APPROXIMATE A CIRCULAR ARC. CAMBER ACCOMPLISHED BY INSTALLING A SINGLE KINK AT MID SPAN OF BEAMS IS NOT ACCEPTABLE.
 - GAS CUTTING TORCHES SHALL NOT BE USED TO CORRECT FABRICATION ERRORS WITHOUT THE APPROVAL OF THE STRUCTURAL ENGINEER.
 - NON-SHRINK GROUT IS REQUIRED UNDER ALL BASE PLATES. GROUT SHALL COMPLY WITH ASTM C 1107 GRADE A AND ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 7000 PSI AT 28 DAYS.
 - STEEL MEMBERS CONNECTING TO OR SUPPORTING WOOD FRAMING SHALL HAVE 1/2" DIAMETER THREADED STUDS AT 24" O.C, TYPICAL UNO

WOOD LEGEND:

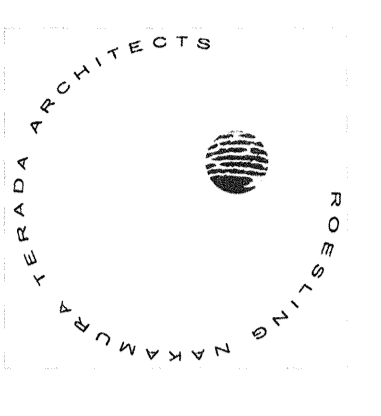


CONCRETE/FOUNDATION LEGEND:



ABBREVIATIONS:

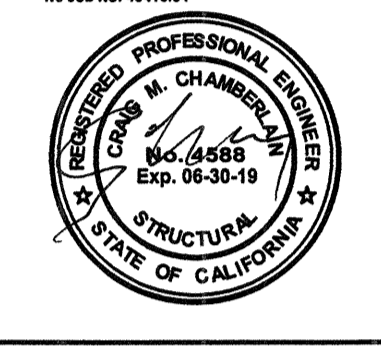
AB	ANCHOR BOLT	JST	JOIST JOINT
ABV	ABOVE	JT	JOIST
ADDM	ADDENDUM	K	KIP(S), 1000 POUNDS
ALT	ALTERNATE	LBS	POUNDS
ALUM	ALUMINUM	LH	LEFT HAND
AN	ANCHOR	LL	LIVE LOAD
APPROX	APPROXIMATE	LLH	LONG LEG HORIZONTAL
ARCH	ARCHITECTURAL	LLV	LONG LEG VERTICAL
AVG	AVERAGE	LOC(S)	LOCATION(S)
B	BOTTOM (REINF)	LSL	LAMINATED STRAND LUMBER
BF	BRACED FRAME	LVL	LAMINATED VENEER LUMBER
BLDG	BUILDING	LV	LENGTH VARIES
BLKG	BLOCKING	MAX	MAXIMUM
BLW	BELOW	MECH	MECHANICAL
BM	BEAM	MEZZ	MEZZANINE
BO	BOTTOM OF	MFR/MFG	MANUFACTURER
BOC	BOTTOM OF CONCRETE	MIN	MINIMUM
BOD	BOTTOM OF DECK	MISC	MISCELLANEOUS
BOF	BOTTOM OF FRAMING	MO	MASONRY OPENING
BOS	BOTTOM OF STEEL	MS	METAL STUD
BOT	BOTTOM	MTL	METAL
BRG	BEARING	N/A	NOT APPLICABLE
BRK	BRICK	NIC	NOT IN CONTRACT
BTWN	BETWEEN	No	NUMBER
BZ	BOUNDARY ZONE	NOM	NOMINAL
CBC	CALIFORNIA BUILDING CODE	NS	NEAR SIDE
CIP	CAST IN PLACE	NTS	NOT TO SCALE
CJ	CONTROL JOINT	(N)	NEW
CL	CENTERLINE	OC	ON CENTER
CLG	CEILING	OD	OUTSIDE DIAMETER
CLR	CLEAR	OF	OUTSIDE FACE
CMU	CONCRETE MASONRY UNIT	OH	OPPOSITE HAND
COL	COLUMN	OPNG	OPENING
CONC	CONCRETE	OPP	OPPOSITE
CONN	CONNECTION	PAF	POWDER ACTUATED FASTENERS
CONT	CONTINUOUS	PJ	PANEL JOINT
COORD	COORDINATE	PL	PLATE
CP	COMPLETE PENETRATION	PLWD	PLYWOOD
CSJ	CONSTRUCTION JOINT	PNL	PANEL
CSK	COUNTER SINK	PP	PARTIAL PENETRATION
CTR	CENTER	PSF	POUNDS PER SQUARE FOOT
DBA	DEFORMED BAR ANCHOR	PSL	PARALLEL STRAND LUMBER
DBL	DOUBLE	PT	POST TENSIONED/PRESSURE TREATED
DEMO	DEMOLISH	R, RAD	RADIUS
DF-L	DOUGLAS FIR / LARCH	REF	REFERENCE
D, DIA	DIAMETER	REINF	REINFORCEMENT
DIAG	DIAGONAL	REQD	REQUIRED
DIAPH	DIAPHRAGM	REV	REVISION
DM	DIMENSION	RH	RIGHT HAND
DJ	DOUBLE JOIST	RO	ROUGH OPENING
DL	DEAD LOAD	SAD	SEE ARCHITECTURAL DRAWINGS
DN	DOWN	SCD	SEE CIVIL DRAWINGS
DO	DITTO (SAME)	SCH	SCHEDULE
DP	DEEP	SECT	SECTION
DTL	DETAIL	SF	SQUARE FEET
DWG	DRAWING	SHT	SHEET
EA	EACH	SHTG	SHEATHING
EB	EXPANSION BOLT	SIM	SIMILAR
EF	EACH FACE	SL	SNOW LOAD
EJ	EXPANSION JOINT	SMD	SEE MECHANICAL DRAWINGS
EL	ELEVATION	SOG	SLAB ON GRADE
ELEV	ELEVATOR	SPECS	SPECIFICATIONS
EN	EDGE NAILING	SQ	SQUARE
EQ	EQUAL	SS	STAINLESS STEEL
EQUIP	EQUIPMENT	STD	STANDARD
ES	EACH SIDE	STGD	STAGGERED
EW	EACH WAY	STL	STEEL
(E), EXIST	EXISTING	STIFF	STIFFENER
EXP	EXPANSION	STRUCT	STRUCTURAL
EXT	EXTERIOR	SYMM	SYMMETRICAL
FDN	FOUNDATION	T	TOP (REINF)
FIN	FINISH	T&B	TOP AND BOTTOM
FLR	FLOOR (ING)	T&G	TONGUE AND GROOVE
FO	FACE OF	TEMP	TEMPERATURE
FOB	FACE OF BRICK	THK	THICK (NESS)
FOC	FACE OF CONCRETE	THK	THICK (NESS)
FOF	FACE OF FINISH	TN	TOE NAIL
FOM	FACE OF MASONRY	TO	TOP OF
FOSH	FACE OF SHEATHING	TOD	TOP OF CONCRETE
FOS	FACE OF STUD	TOD	TOP OF DECK (ING)
FOFW	FACE OF FOUNDATION WALL	TOF	TOP OF FRAMING FOOTING
FOFW	FACE OF WALL	TOM	TOP OF MASONRY
FT	FEET	TOPL	TOP OF PLATE
FS	FAR SIDE	TOS	TOP OF STEEL
FTG	FOOTING	TOW	TOP OF WALL
GA	GAUGE	TSO	TOP OF STUD
GALV	GALVANIZED	TSA	THREADED STUD ANCHOR
GL	GLU-LAM	TYP	TYPICAL
GYP	GYP-SUM	UNO	UNLESS NOTED OTHERWISE
GWB	GYP-SUM WALL BOARD	VERT	VERTICAL
HD	HOLD DOWN	VIF	VERIFY IN FIELD
HDC	HOT-DIP GALVANIZED	W/O	WITH
HDR	HEADER	WD	WITHOUT
HORIZ	HORIZONTAL	WP	WORK POINT
HSA	HEADED STUD ANCHOR	WS	WELDED STUD
HSB	HIGH STRENGTH BOLTS	WT	WEIGHT
HSS	HOLLOW STRUCTURAL STEEL	WWF	WELDED WIRE FABRIC
HT	HEIGHT	YD	YARD
HVAC	HEATING VENTILATING & AC	#	POUND, SCREW SIZE, REBAR SIZE
IBC	INTERNATIONAL BUILDING CODE		
ID	INSIDE DIAMETER		
IF	INSIDE FACE		
IN	INCHES		
INFO	INFORMATION		
INT	INTERIOR		



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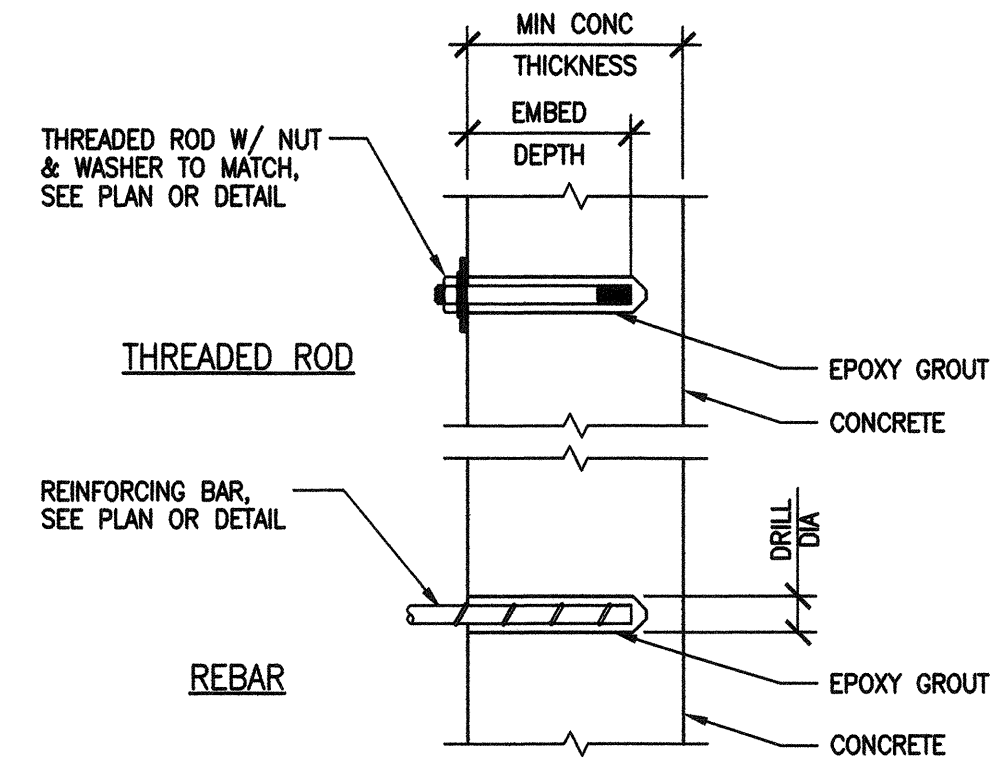
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**CONSTRUCTION
DOCUMENTS**

No.	Description	Date

Sheet Name
**GENERAL
NOTES**

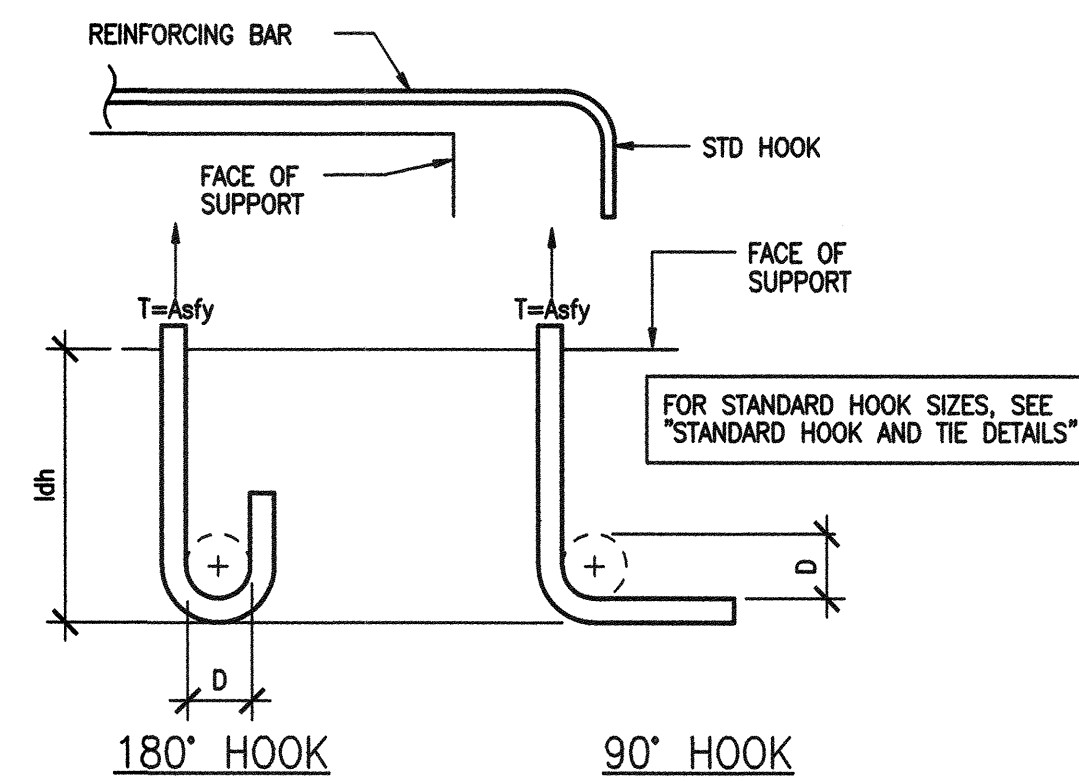
40410.04
Date: 04/12/2018
Drawn by: HK
Checked by: DY/JPH
Sheet Number
S-101
Sheet of Sheets



GROUTED ANCHORS IN CONCRETE				
ROD SIZE	ASTM MATERIAL STANDARD	MIN EMBED (IN)	MIN CONCRETE THICKNESS (IN)	REMARKS
1/2"	A36/A307	4-1/4	6-3/8	
5/8"	A36/A307	5	7-1/2	
3/4"	A36/A307	6-3/4	10-1/8	
7/8"	A36/A307	7-3/4	11-5/8	
1"	A36/A307	9	13-1/2	
#4	A615/A706	4-1/4	6-3/8	
#5	A615/A706	5-1/4	7-7/8	
#6	A615/A706	6-3/4	10-1/8	
#7	A615/A706	7-3/4	11-5/8	
#8	A615/A706	9	13-1/2	
#9	A615/A706	10	15	
#10	A615/A706	12	18	
#11	A615/A706	13-1/2	20-1/4	

- NOTES:**
- INSTALL IN STRICT CONFORMANCE WITH MANUFACTURERS RECOMMENDATIONS. GROUTED EPOXY ANCHORS SHALL BE:
 - SIMPSON SET-XP EPOXY-TIE, MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, INC. (ICC ESR 2508)
 - ALTERNATE: HILTI RE-500, MANUFACTURED BY HILTI, INC. (ICBO REPORT NO. ER-2322)
 - SPECIAL INSPECTION SHALL BE PROVIDED FOR ANCHOR INSTALLATION.

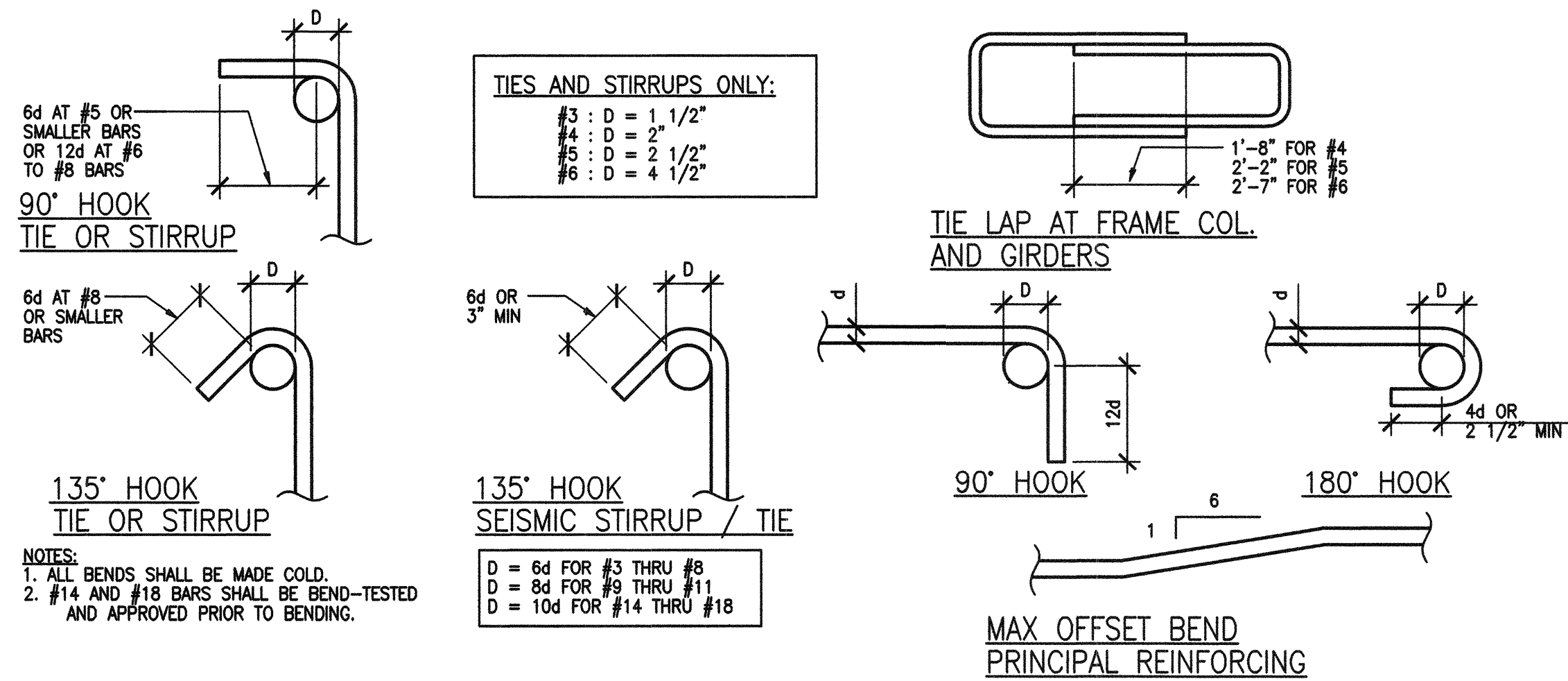
11 EPOXY GROUTED ANCHORS EMBED SCHD IN CONC
SCALE: NTS



MINIMUM TENSION EMBEDMENT LENGTHS, (ldh), FOR STANDARD END HOOKS ON GRADE 60 BARS GENERAL USE (NON-SEISMIC)							
BAR SIZE	NORMAL WEIGHT CONCRETE, f'c (psi)						
	3,000	4,000	5,000	6,000	7,000	8,000	
#3	6"	6"	6"	6"	6"	6"	
#4	8"	7"	6"	6"	6"	6"	
#5	10"	9"	8"	7"	7"	6"	
#6	12"	10"	9"	8"	8"	7"	
#7	14"	12"	11"	10"	9"	9"	
#8	16"	14"	12"	11"	10"	10"	
#9	18"	15"	14"	13"	12"	11"	
#10	20"	17"	15"	14"	13"	12"	
#11	22"	19"	17"	16"	14"	14"	
#14	37"	32"	29"	27"	25"	23"	
#18	50"	43"	39"	35"	33"	31"	

- NOTES:**
- SIDE COVER \geq 1 1/2 INCHES.
 - END COVER (90° HOOKS) \geq 2 INCHES.
 - FOR SIDE COVER $<$ 2 1/2 INCHES AND END COVER $<$ 2 INCHES, MULTIPLY THE TABULATED VALUES BY 1.43.
 - FOR LIGHT WEIGHT AGGREGATE CONCRETE, MULTIPLY THE TABULATED VALUES BY 1.3.
 - FOR EPOXY-COATED BARS, MULTIPLY THE TABULATED VALUES BY 1.2

8 EMBEDMENT LENGTHS FOR HOOKED BARS
SCALE: NTS



10 STANDARD HOOK AND TIE DETAILS
SCALE: NTS

CASE 1											
REINFORCING BAR SPLICE AND STRAIGHT DEVELOPMENT LENGTHS SCHEDULE											
(SEE NOTES BELOW) (NORMAL WEIGHT CONCRETE)											
TENSION SPLICE	f'c FSI	BAR SIZE GRADE 60	#3	#4	#5	#6	#7	#8	#9	#10	#11
CLASS A & STRAIGHT DEVELOPMENT LENGTHS, Ld (in)	3000	TOP	22"	29"	36"	43"	63"	72"	81"	91"	101"
		OTHER	17"	22"	28"	33"	48"	56"	62"	70"	78"
	4000	TOP	19"	25"	31"	37"	54"	62"	70"	79"	87"
		OTHER	15"	19"	24"	29"	42"	48"	54"	61"	67"
	5000	TOP	17"	22"	28"	33"	49"	55"	63"	70"	78"
		OTHER	13"	17"	22"	26"	37"	43"	48"	54"	60"
>6000	TOP	15"	20"	25"	30"	44"	50"	57"	64"	71"	
>6000	OTHER	12"	16"	20"	23"	34"	39"	44"	49"	55"	
CLASS B	3000	TOP	28"	37"	47"	56"	81"	93"	105"	118"	131"
		OTHER	22"	29"	36"	43"	63"	72"	81"	91"	101"
	4000	TOP	24"	32"	40"	48"	70"	80"	91"	102"	113"
		OTHER	19"	25"	31"	37"	54"	62"	70"	79"	87"
	5000	TOP	22"	29"	36"	43"	63"	72"	81"	91"	101"
		OTHER	17"	22"	28"	33"	49"	55"	63"	70"	78"
>6000	TOP	20"	26"	33"	40"	58"	66"	74"	83"	93"	
>6000	OTHER	15"	20"	25"	30"	44"	51"	57"	64"	71"	

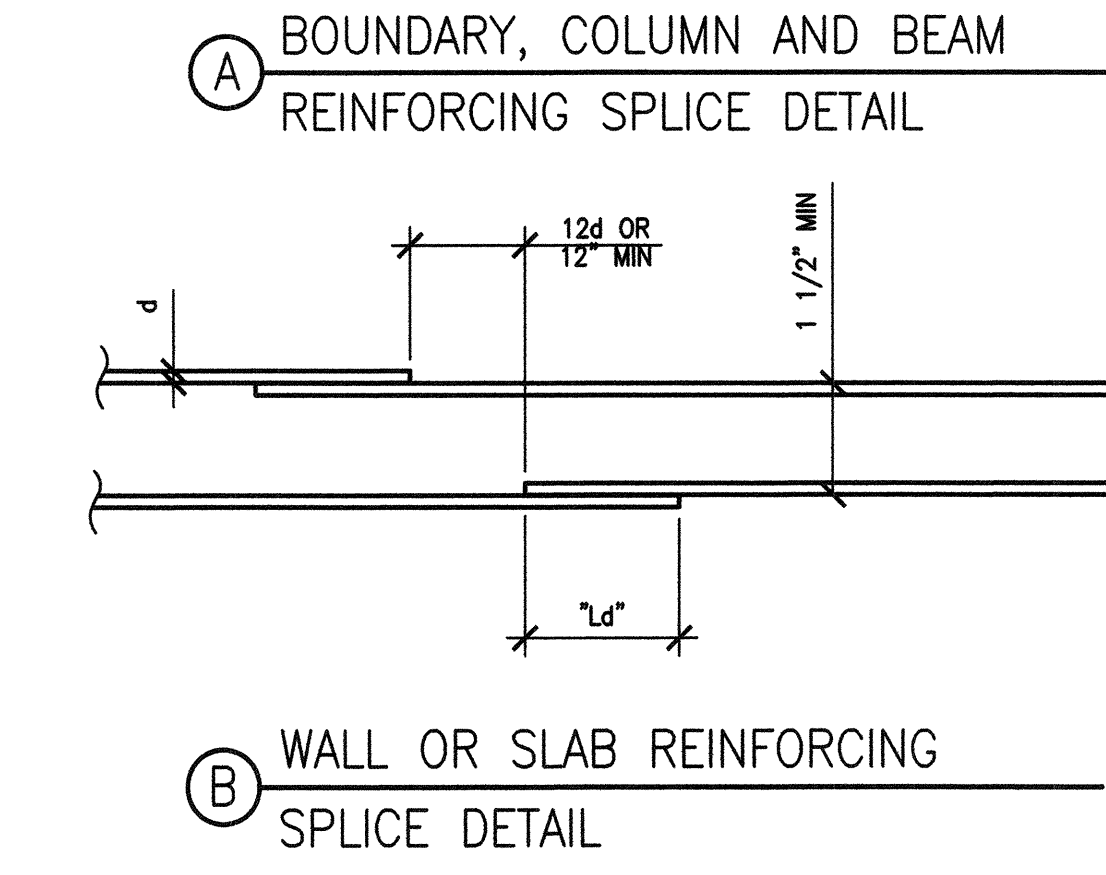
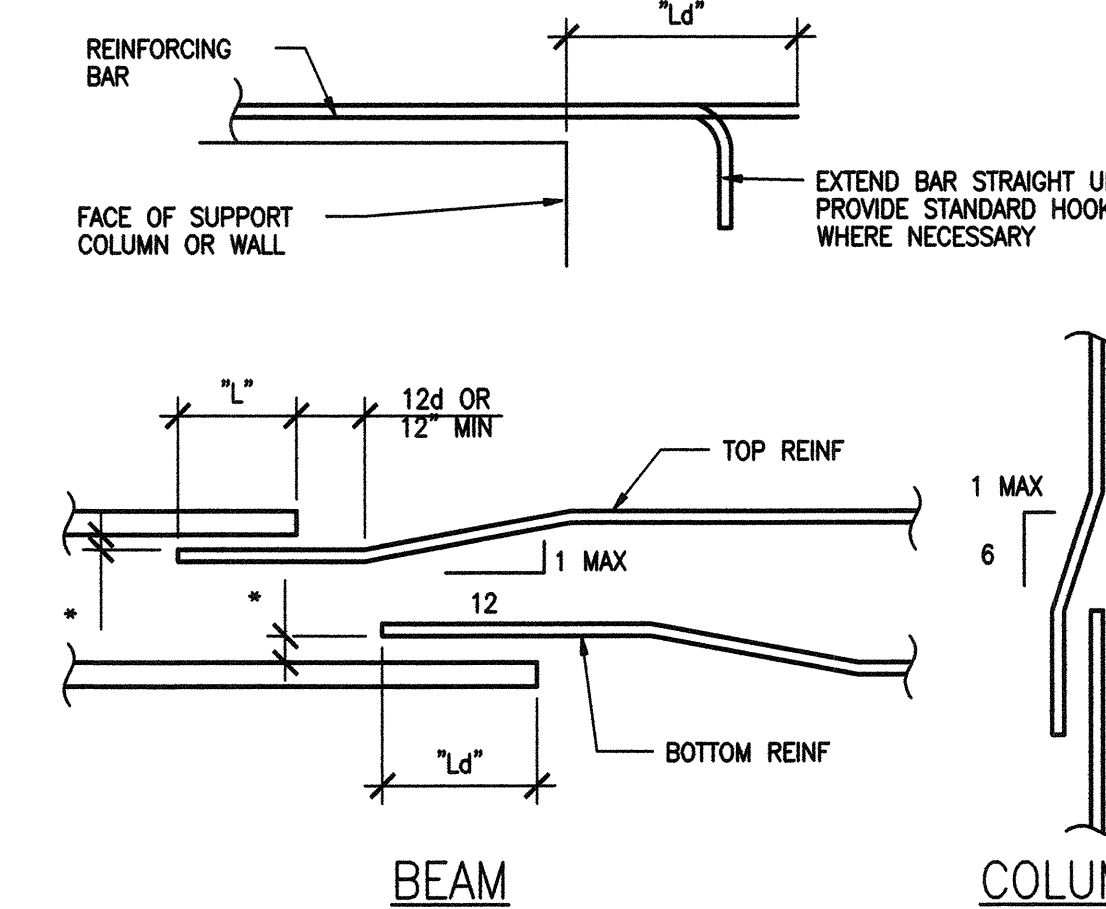
- NOTES:**
- TABULATED VALUES ARE BASED ON ACI 318-05 CHAPTER 12, GRADE 60 REINFORCING BARS AND NORMAL WEIGHT CONCRETE.
 - CASES 1 AND 2, WHICH DEPEND ON THE TYPE OF STRUCTURAL ELEMENT, CONCRETE COVER, AND THE CENTER-TO-CENTER SPACING OF THE BARS, ARE DEFINED AS:

BEAMS AND COLUMNS:	1:	CONCRETE COVER \geq 1.0 db AND CTR-CTR SPACING \geq 2.0 db AND WITH STIRRUPS OR TIES THROUGHOUT Ld NOT LESS THAN THE CODE MINIMUM.
	2:	CONCRETE COVER $<$ 1.0 db AND CTR-CTR SPACING $<$ 2.0 db.
ALL OTHER ELEMENTS:	1:	CONCRETE COVER \geq 1.0 db AND CTR-CTR SPACING \geq 3.0 db.
	2:	CONCRETE COVER $<$ 1.0 db AND CTR-CTR SPACING $<$ 3.0 db.
 - LAP SPLICES OF DEFORMED BARS AND DEFORMED WIRE IN TENSION SHALL BE CLASS B SPLICES EXCEPT THAT CLASS A SPLICES ARE ALLOWED WHEN ONE-HALF OR LESS OF THE TOTAL REINFORCEMENT IS SPLICED WITHIN THE REQUIRED LAP LENGTH.
 - FOR LIGHTWEIGHT AGGREGATE CONCRETE, MULTIPLY THE TABULATED VALUES BY 1.3.
 - FOR EPOXY-COATED BARS, MULTIPLY THE TABULATED VALUES BY ONE OF THE FOLLOWING FACTORS:

CONCRETE COVER AND SPACING	TOP BARS	OTHER BARS
COVER $<$ 3.0 db OR CTR-CTR SPACING $<$ 7.0 db	1.50	1.50
COVER \geq 3.0 db OR CTR-CTR SPACING \geq 7.0 db	1.20	1.20
 - db = NOMINAL DIAMETER OF A BAR.
 - TOP BARS ARE HORIZONTAL REINFORCING WITH MORE THAN 12" OF CONCRETE CAST BELOW THE BAR.
 - OTHER BARS ARE ALL VERTICAL REINFORCING, ALL HORIZONTAL WALL REINFORCING, AND HORIZONTAL REINFORCING WITH LESS THAN 12" OF CONCRETE BELOW BAR.
 - SMALLER BAR LAP LENGTH MAY BE USED WHEN SPLICING DIFFERENT SIZE BARS.
 - LAP SPLICES ARE NOT PERMITTED IF MECHANICAL SPLICES ARE SHOWN.
 - NON-CONTACT LAP SPLICED BARS SHALL NOT BE SPACED TRANSVERSELY FURTHER APART THAN ONE-FIFTH OF THE REQUIRED LAP SPlice LENGTH NOR 6 INCHES.
 - LAP TOP BARS AT MIDSPAN AND BOTTOM BARS AT SUPPORTS UNLESS OTHERWISE SHOWN.
 - BUNDLED BAR SPLICES:
 - INDIVIDUAL BAR SPLICES WITHIN THE BUNDLE SHALL NOT OVERLAP EACH OTHER.
 - INCREASE LAP LENGTH 20% AT THREE BARS. INCREASE LAP LENGTH 33% AT FOUR BARS.

4 REINFORCING BAR SPLICE SCHEDULE AND NOTES
SCALE: NTS

CASE 2											
REINFORCING BAR SPLICE AND STRAIGHT DEVELOPMENT LENGTHS SCHEDULE											
(SEE NOTES BELOW) (NORMAL WEIGHT CONCRETE)											
TENSION SPLICE	f'c FSI	BAR SIZE GRADE 60	#3	#4	#5	#6	#7	#8	#9	#10	#11
CLASS A & STRAIGHT DEVELOPMENT LENGTHS, Ld (in)	3000	TOP	32"	43"	54"	64"	94"	107"	121"	136"	151"
		OTHER	25"	33"	41"	50"	72"	82"	93"	105"	116"
	4000	TOP	28"	37"	47"	56"	81"	93"	105"	118"	131"
		OTHER	22"	29"	36"	43"	63"	71"	81"	91"	101"
	5000	TOP	25"	33"	42"	50"	73"	83"	94"	105"	117"
		OTHER	19"	26"	32"	38"	56"	64"	72"	81"	90"
>6000	TOP	23"	30"	38"	46"	66"	76"	85"	96"	107"	
>6000	OTHER	18"	23"	29"	35"	51"	58"	66"	74"	82"	
CLASS B	3000	TOP	42"	56"	70"	84"	122"	139"	157"	177"	195"
		OTHER	32"	43"	54"	64"	94"	107"	121"	136"	151"
	4000	TOP	36"	48"	60"	72"	106"	121"	136"	153"	170"
		OTHER	28"	37"	47"	56"	81"	93"	105"	118"	131"
	5000	TOP	33"	43"	54"	65"	94"	108"	122"	137"	152"
		OTHER	25"	33"	42"	50"	73"	83"	94"	105"	117"
>6000	TOP	30"	40"	49"	59"	86"	98"	111"	125"	139"	
>6000	OTHER	23"	30"	38"	46"	66"	76"	85"	96"	107"	



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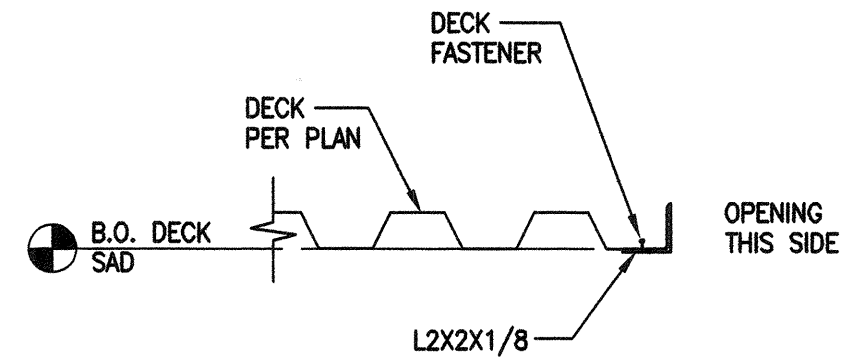
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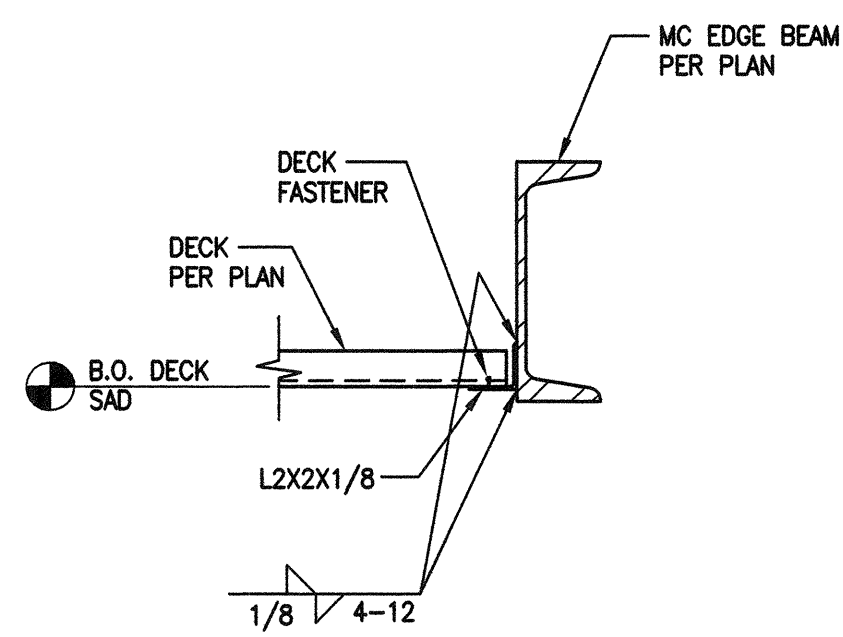
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TYPICAL CONCRETE DETAILS

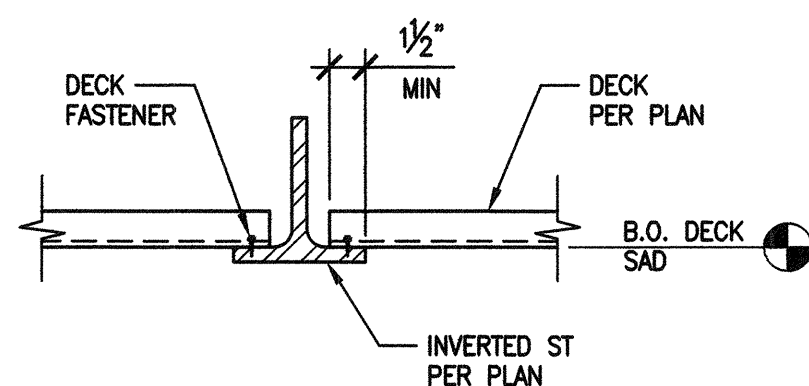
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Date 04/12/2018
Drawn by HK
Checked by DY/JPH
Sheet Number
S-401
Sheet of Sheets



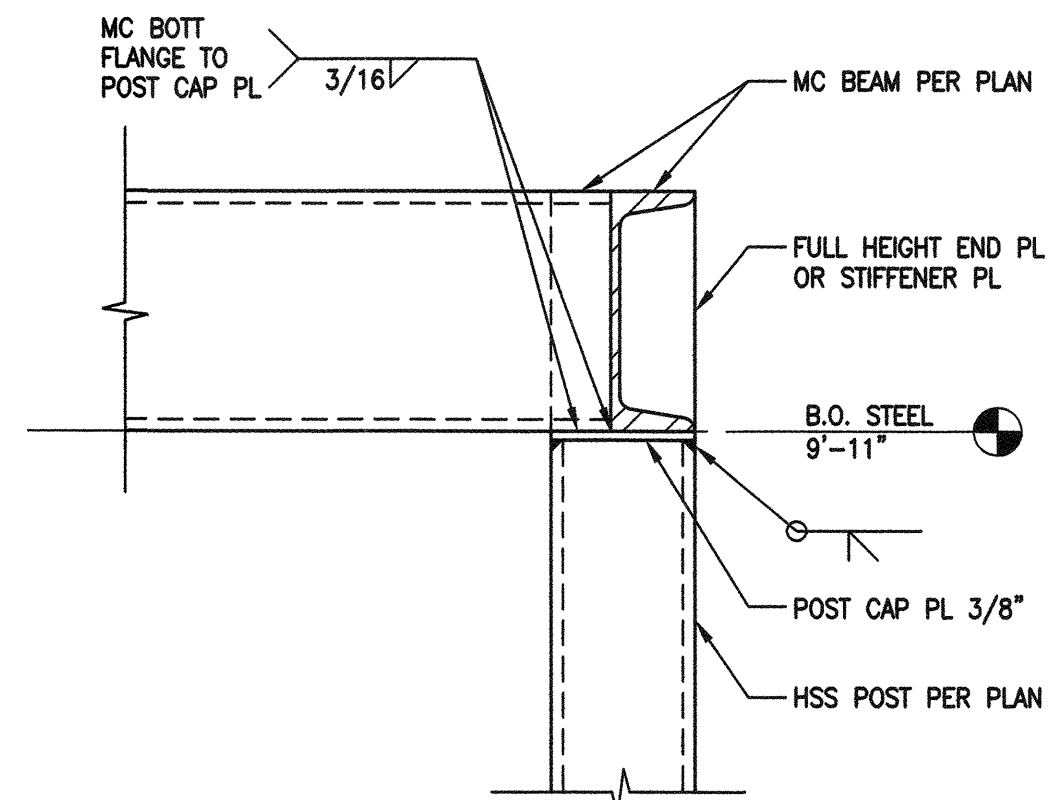
12 TYP DECK EDGE AT OPNG
N.T.S.



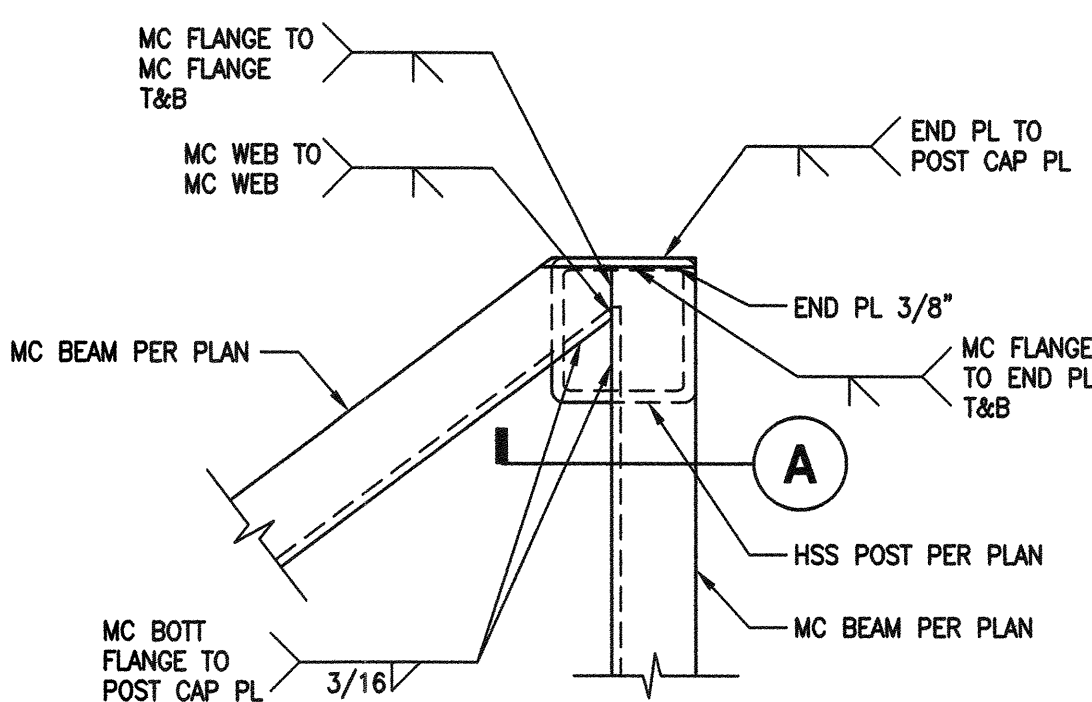
11 TYP DECK EDGE
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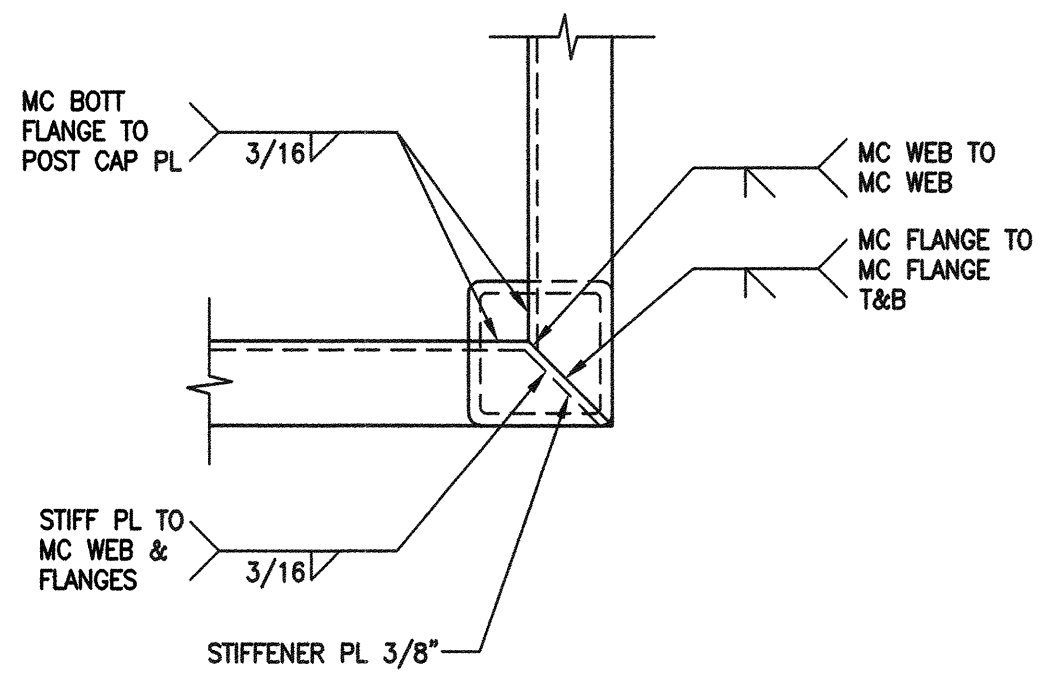
10 TYP DECK SUPPORT
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A SECTION

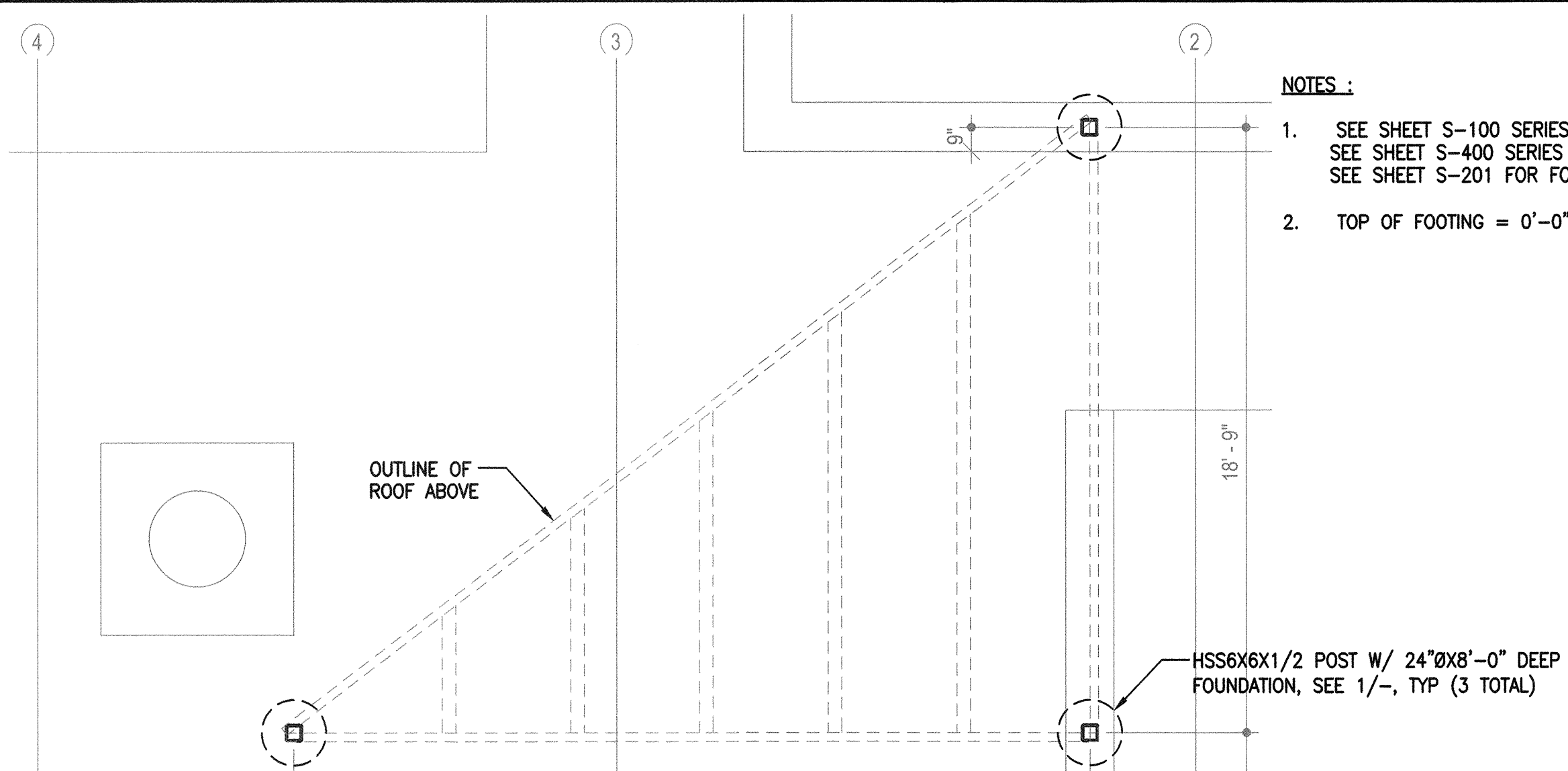


8 MC BEAM TO POST DETAIL (BEAMS NOT PERPENDICULAR)
N.T.S.



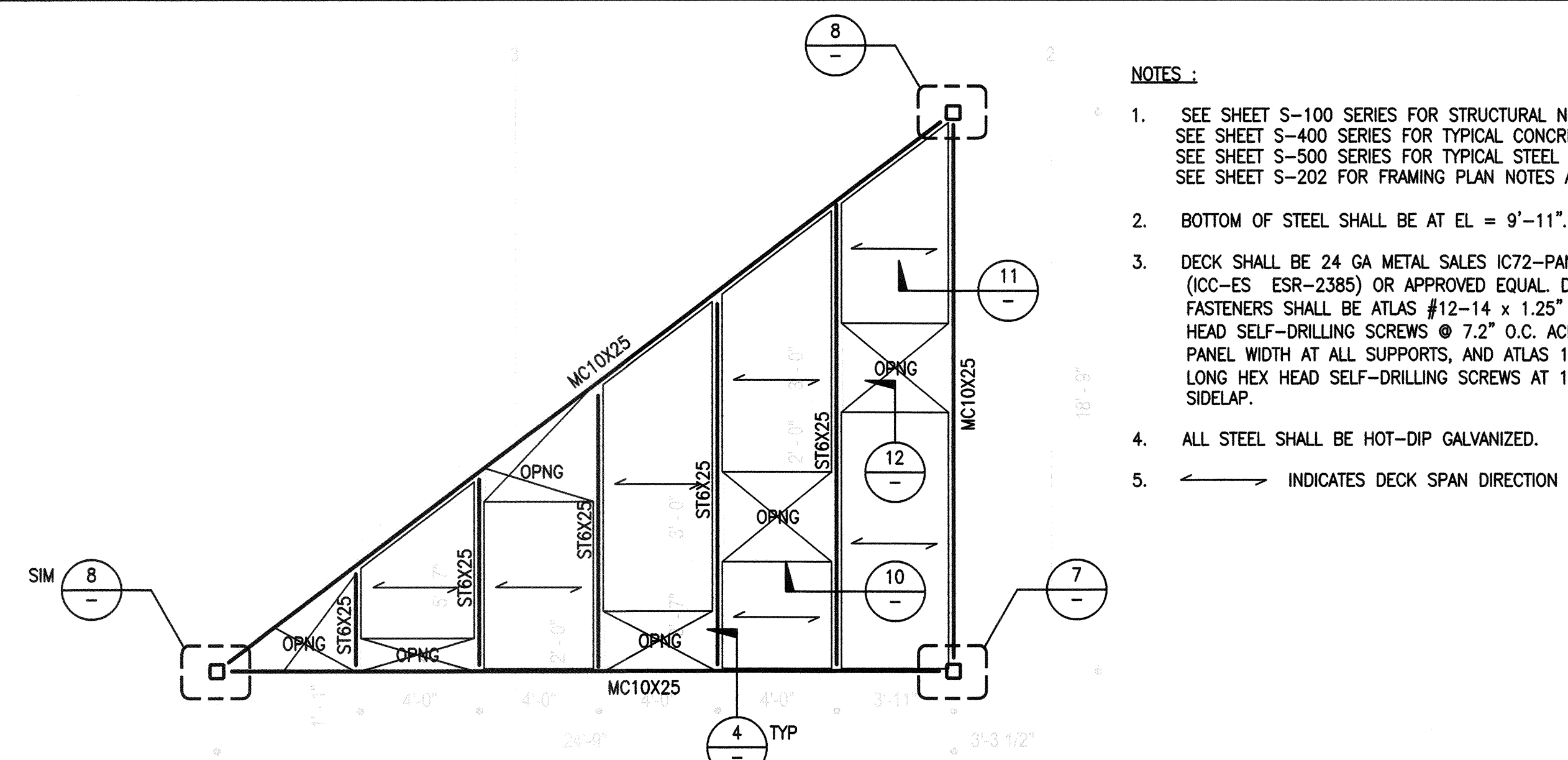
NOTE:
1. SEE 8/- FOR INFORMATION NOT SHOWN.

7 MC BEAM TO POST DETAIL (BEAMS PERPENDICULAR)
N.T.S.



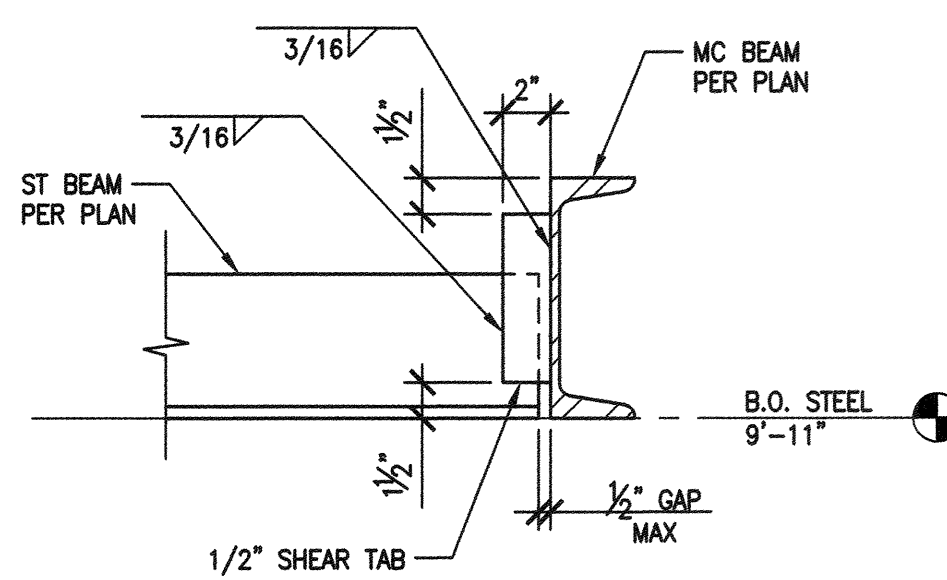
NOTES:
1. SEE SHEET S-100 SERIES FOR STRUCTURAL NOTES. SEE SHEET S-400 SERIES FOR TYPICAL CONCRETE DETAILS. SEE SHEET S-201 FOR FOUNDATION PLAN NOTES AND LEGENDS.
2. TOP OF FOOTING = 0'-0", UNO.

6 TRELLIS - FOUNDATION PLAN
SCALE: 1/4"=1'-0"

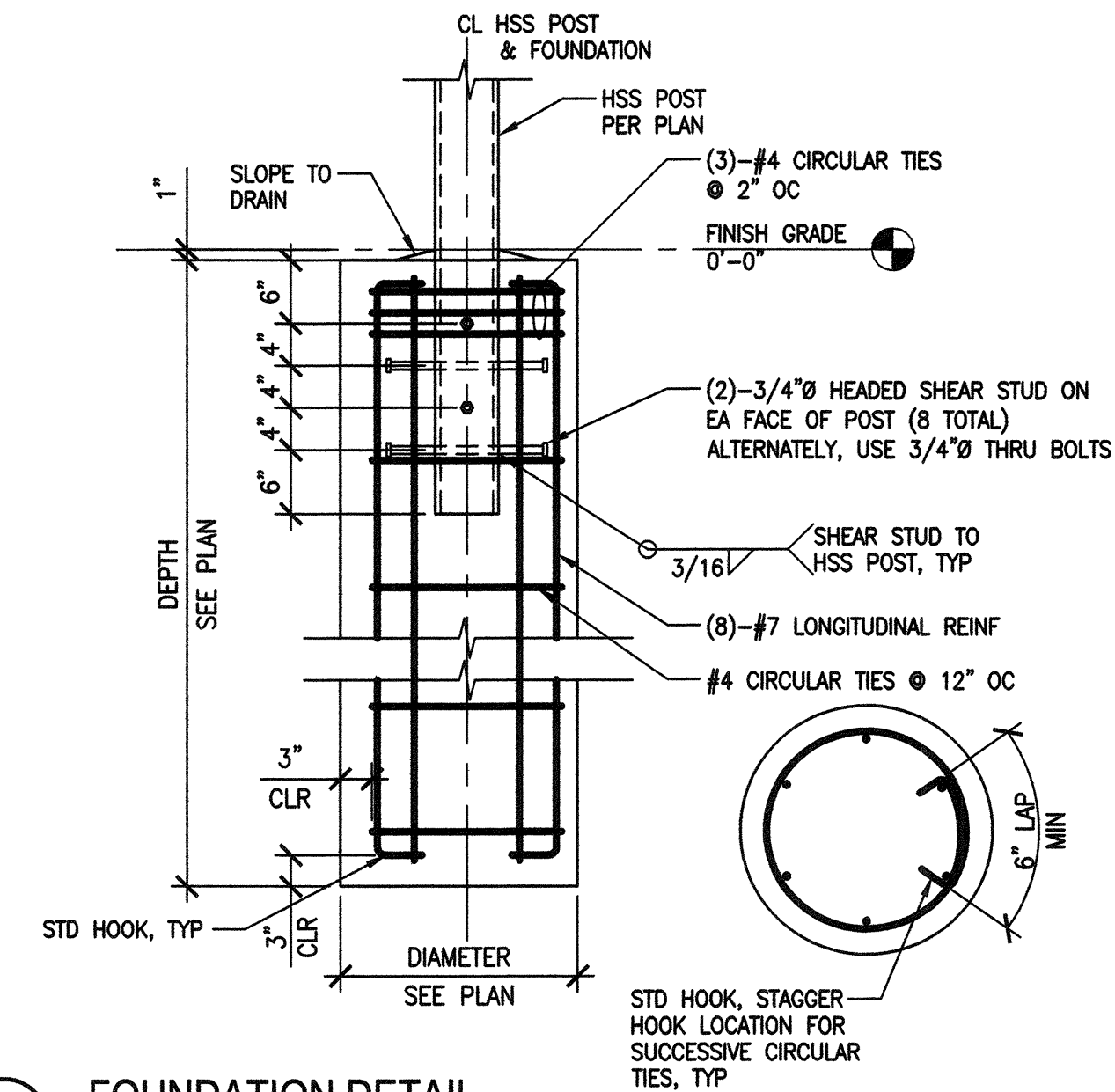


NOTES:
1. SEE SHEET S-100 SERIES FOR STRUCTURAL NOTES. SEE SHEET S-400 SERIES FOR TYPICAL CONCRETE DETAILS. SEE SHEET S-500 SERIES FOR TYPICAL STEEL DETAILS. SEE SHEET S-202 FOR FRAMING PLAN NOTES AND LEGENDS.
2. BOTTOM OF STEEL SHALL BE AT EL = 9'-11".
3. DECK SHALL BE 24 GA METAL SALES IC72-PANEL (ICC-ES ESR-2385) OR APPROVED EQUAL. DECK FASTENERS SHALL BE ATLAS #12-14 x 1.25" LONG HEX HEAD SELF-DRILLING SCREWS @ 7.2" O.C. ACROSS THE PANEL WIDTH AT ALL SUPPORTS, AND ATLAS 1/4"-14x7/8" LONG HEX HEAD SELF-DRILLING SCREWS AT 12" O.C. AT SIDELAP.
4. ALL STEEL SHALL BE HOT-DIP GALVANIZED.
5. → INDICATES DECK SPAN DIRECTION

5 TRELLIS - ROOF FRAMING PLAN
SCALE: 1/4"=1'-0"



4 ST BEAM TO MC BEAM CONNECTION
N.T.S.



1 FOUNDATION DETAIL
N.T.S.

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Sheet of Sheets