

# VALLEY ROBOTICS EXTENSION ROAD

13451 N. EXTENSION RD  
Lodi, CA 95242



ARCHITECTURE ENGINEERING INTERIORS  
LANDSCAPE ARCHITECTURE PLANNING

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DSA O.T.C. - FEBRUARY 13, 2020

Job Number 19180.11

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ABBREVIATIONS

AB	AGGREGATE BASE	MH	MANHOLE
AC	ASPHALT CONCRETE PAVEMENT	MIN	MINIMUM
AE	ACCESS EASEMENT	MOC	MIDDLE OF CURVATURE
ASPH	ASPHALT PAVING	N	NORTH
ASB	BEGIN CURVATURE	NG	NATURAL GRADE
BCR	BEGIN CURB RETURN	NTS	NOT TO SCALE
BFP	BOX FLOW PREVENTER	OC	ON CENTER
BI	BOX INLET	OC	ON CENTER
BM	BENCHMARK	PA	PLANTING AREA
BOP	BOTTOM OF PIPE	PBC	PULL BOX CABLE
BOR	BOTTOM OF RAMP	PBE	PULL BOX ELECTRIC
BS	BOTTOM OF STAIRS	PBT	PULL BOX TELEPHONE
BVC	BEGIN VERTICAL CURVATURE	PBW	PULL BOX WATER
BW	BOTTOM OF WALL	PCC	POINT OF COMPOUND CURVATURE
C&G	CURB AND GUTTER	PE	PEDESTRIAN EASEMENT
CL, CL	CENTER LINE	PI	POINT OF INTERSECTION
CB	CATCH BASIN	PVC	POINT OF INTERSECTION VERTICAL CURVATURE
CONST	CONSTRUCT	PL	PROPERTY LINE
CUR	CURB RETURN	POC	POINT OF CONNECTION
CT	COURT	PP	POWER POLE
CUL	CULVERT	PRC	POINT OF REVERSE CURVATURE
DI	DROP INLET	PVC	POLYVINYL CHLORIDE
DW	DUCTILE IRON PIPE	PWT	PAVEMENT
DW	DOMESTIC WATER	R	RADIUS
DW	DRIVEWAY	RCP	REINFORCED CONCRETE PIPE
SDMH	STORM DRAIN MANHOLE	RM	TOP RIM OF STRUCTURE
DE	DRAINAGE EASEMENT	ROW	HIGHWAY EASEMENT
DR	DRIVE	RT	RIGHT
(E)	EXISTING	RW	RECLAIMED WATER
E	EAST	RW	RIGHT OF WAY
EC	END CURVATURE	S	SOUTH OR SLOPE
END	END CURB RETURN	SBE	SETBACK EASEMENT
EG	EXISTING GRADE	SC	SANITARY SEWER CLEANOUT
ELEV	ELEVATION	SD	STORM DRAIN
EOC	EDGE OF CONCRETE	SF	SQUARE FEET
EP	EDGE OF PAVEMENT	SHT	SHEET
ESMT	EASEMENT	STA	STATION
EVC	END OF VERTICAL CURVATURE	SW	SANITARY SEWER MANHOLE
FF	FINISHED FLOOR ELEVATION	SWPP	STORM WATER POLLUTION PREVENTION PLAN
FG	FINISHED GRADE	SW	SIDEWALK
FH	FIRE HYDRANT	T	TANGENT
FL	FLOWLINE	TB	TOP OF BERM
FS	FINISHED SURFACE	TBC	TOP BACK OF CURB
FW	FIRE PROTECTION SERVICE WATER	TBW	TOP BACK OF WALK
GB	GRADE BREAK	TC	TOP OF CURB
GFL	GUTTER FLOWLINE	TG	TOP OF GRATE
QSL	LIMITS OF GRAVITY SEWER	TOE	TOE OF SLOPE
GR	GRATE	TOR	TOP OF PIPE
GV	GAS VALVE	TOR	TOP OF RAMP
HB	HOSE BIB	TOS	TOP OF SLOPE
HP	HIGH POINT	TP	TOP OF PLANTER
ICV	IRRIGATION CONTROL VALVE	TS	TOP OF STAIRS
INTX	POINT OF INTERSECTION	TW	TOP OF WALL
INVT	INVERT	TV	TYPICAL
JP	JOINT POLE	TP	TELEPHONE POLE
LE	LANDSCAPE EASEMENT	TV	VERTICAL CURVATURE
LF	LINEAR FEET	W	WEST
LP	LIP OF GUTTER	WM	WATER MAIN
LP	LOW POINT	WV	WATER VALVE
LT	LEFT		
MAX	MAXIMUM		

LEGEND

SYMBOL	DESCRIPTION
(RD)	ROOF DRAIN P.O.C.'S FROM BUILDING
(G)	GAS P.O.C.'S FROM BUILDING
(F)	FIRE WATER P.O.C.'S FROM BUILDING
(W)	DOMESTIC WATER P.O.C.'S FROM BUILDING
(SS)	SANITARY SEWER P.O.C.'S FROM BUILDING
(D)	STORM DRAIN MANHOLE
(S)	SANITARY SEWER MANHOLE
AD	DRAIN INLET
AD	AREA DRAIN
AD	TRENCH DRAIN
AD	CLEANOUT
AD	BLOW OFF
AD	FIRE HYDRANT
AD	VALVE
AD	POST INDICATOR VALVE (PIV)/CHECK VALVE (CHK VLV)/FIRE DEPARTMENT CONNECTION (FDC)
AD	CHECK VALVE (CHK VLV)
AD	FIRE DEPARTMENT CONNECTION (FDC)
AD	DOUBLE DETECTOR CHECK (DBL CHK)
AD	REDUCED PRESSURE (BFP)
AD	POST INDICATOR VALVE (PIV)
AD	THRUST BLOCK
AD	BENDS, TEE AND CROSS
AD	WATER METER

LINE TYPE	DESCRIPTION
XXLF	APPROXIMATE PROJECT LIMITS
XXLF	RIGHT OF WAY / PROPERTY LINE
XXLF	FENCE
XXLF	REMOVE EXISTING UTILITY
XXLF	EXISTING SEWER LINE
XXLF	EXISTING WATER LINE
XXLF	EXISTING STORM DRAIN LINE
XXLF	EXISTING DEDICATED PRIVATE FIRE SERVICE
XXLF	EXISTING NATURAL GAS SERVICE
XXLF	EXISTING ELECTRICAL LINE / CONDUIT
XXLF	EXISTING TELECOMMUNICATIONS LINE / CONDUIT
XXLF	SANITARY SEWER LINE
XXLF	DOMESTIC WATER LINE
XXLF	STORM DRAIN LINE (18" DIAMETER)
XXLF	STORM DRAIN LINE (14" DIAMETER)
XXLF	PERFORATED STORM DRAIN LINE
XXLF	DEDICATED PRIVATE FIRE SERVICE
XXLF	NATURAL GAS LINE
XXLF	GRADE BREAK LINE
XXLF	FLOW LINE
XXLF	DAYLIGHT LINE

GENERAL EROSION AND SEDIMENT CONTROL NOTES

- CONTRACTOR SHALL ENSURE THAT THE CONSTRUCTION SITE IS PREPARED PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL HAVE ALL EROSION AND SEDIMENT CONTROL MEASURES IN PLACE AT ALL TIMES DURING CONSTRUCTION.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED.
- THIS PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED BEFORE AND AFTER ALL STORMS TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
- CONTRACTOR SHALL MAINTAIN A LOG AT THE SITE OF ALL INSPECTIONS OR MAINTENANCE OF BMPs, AS WELL AS, ANY CORRECTIVE CHANGES TO THE BMPs OR EROSION AND SEDIMENT CONTROL PLAN.
- IN AREAS WHERE SOIL IS EXPOSED, PROMPT REPLANTING WITH NATIVE COMPATIBLE, DROUGHT-RESISTANT VEGETATION SHALL BE PERFORMED. NO AREAS WILL BE LEFT EXPOSED OVER THE WINTER SEASON.
- THE CONTRACTOR SHALL INSTALL THE STABILIZED CONSTRUCTION ENTRANCE PRIOR TO COMMENCEMENT OF GRADING. LOCATION OF THE ENTRANCE MAY BE ADJUSTED BY THE CONTRACTOR TO FACILITATE GRADING OPERATIONS. ALL CONSTRUCTION TRAFFIC ENTERING THE PAVED ROAD MUST CROSS THE STABILIZED CONSTRUCTION ENTRANCE.
- ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE SWEEPED AT THE END OF EACH WORKING DAY OR MORE OFTEN AS NECESSARY.
- CONTRACTOR SHALL PLACE GRAVEL/SAND BAGS AROUND ALL NEW DRAINAGE STRUCTURE OPENINGS IMMEDIATELY AFTER THE STRUCTURE OPENING IS CONSTRUCTED. THESE GRAVEL/SAND BAGS SHALL BE MAINTAINED AND REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED.
- CONTRACTOR SHALL IMPLEMENT HOUSEKEEPING PRACTICES AS FOLLOWS:
  - SOLID WASTE MANAGEMENT: PROVIDE DESIGNATED WASTE COLLECTION AREAS AND CONTAINERS. ARRANGE FOR REGULAR REMOVAL AND DISPOSAL. CLEAR SITE OF TRASH INCLUDING ORGANIC DEBRIS, PACKAGING MATERIALS, SCRAP OR SURPLUS BUILDING MATERIALS AND DOMESTIC WASTE DAILY.
  - MATERIAL DELIVERY AND STORAGE: PROVIDE A DESIGNATED MATERIAL STORAGE AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. STORE MATERIAL ON PALLETS AND PROVIDE COVERING FOR SOLUBLE MATERIALS. RELOCATE STORAGE AREA INTO BUILDING SHELL WHEN POSSIBLE. INSPECT AREA WEEKLY.
  - CONCRETE WASTE: PROVIDE A DESIGNATED AREA FOR A TEMPORARY PIT TO BE USED FOR CONCRETE TRUCK WASH-OUT. CONCRETE WASHOUT CANNOT BE WITHIN 5' MINIMUM OF DRAIN INLETS. DISPOSE OF HARDENED CONCRETE OFFSITE. AT NO TIME SHALL A CONCRETE TRUCK DUMP ITS WASTE AND CLEAN ITS TRUCK INTO THE STORM DRAINS VIA CURB AND GUTTER. INSPECT DAILY TO CONTROL RUNOFF, AND WEEKLY FOR REMOVAL OF HARDENED CONCRETE.
  - PAINT AND PAINTING SUPPLIES: PROVIDE INSTRUCTIONS TO EMPLOYEES AND SUBCONTRACTORS REGARDING REDUCTION OF POLLUTANTS INCLUDING MATERIAL STORAGE, USE, AND CLEAN UP. INSPECT SITE WEEKLY FOR EVIDENCE OF IMPROPER DISPOSAL.
  - VEHICLE FUELING, MAINTENANCE AND CLEANING: PROVIDE A DESIGNATED FUELING AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. DO NOT ALLOW MOBILE FUELING OF EQUIPMENT. PROVIDE EQUIPMENT WITH DRIP PANS. RESTRICT ONSITE MAINTENANCE AND CLEANING OF EQUIPMENT TO A MINIMUM. INSPECT AREA WEEKLY.
  - HAZARDOUS WASTE MANAGEMENT: PREVENT THE DISCHARGE OF POLLUTANTS FROM HAZARDOUS WASTES TO THE DRAINAGE SYSTEM THROUGH PROPER MATERIAL USE, WASTE DISPOSAL AND TRAINING OF EMPLOYEES. HAZARDOUS WASTE PRODUCTS COMMONLY FOUND ON-SITE INCLUDE BUT ARE NOT LIMITED TO PAINTS & SOLVENTS, PETROLEUM PRODUCTS, FERTILIZERS, HERBICIDES & PESTICIDES, SOIL STABILIZERS, STABILIZATION PRODUCTS, ASPHALT PRODUCTS AND CONCRETE CURING PRODUCTS.
- CONTRACTOR SHALL HYDROSEED ALL GRADED SLOPES. NATIVE SEED MIX SHALL BE 20% LANA PUBESCENS WHEAT GRASS, 40% BLANDO BROME, AND 40% ANNUAL RYE GRASS AND SHALL BE APPLIED AT A RATE OF 200 POUNDS PER ACRE. SOIL BINDING AGENT SHALL BE VERDYOL, SENTINEL, OR EQUAL, APPLIED AT A RATE OF 110 POUNDS PER ACRE. MULCH SHALL BE CORNFIBER, CORNFED, OR EQUAL, APPLIED AT A RATE OF 1,000 POUNDS PER ACRE. FERTILIZER SHALL BE AGRI-FORM 16-7-12, BEST 16-8-8, OR EQUAL, APPLIED AT A RATE OF 500 POUNDS PER ACRE. THE CONTRACTOR SHALL WATER SEEDED AREAS OR RESEED AS NECESSARY TO ENSURE SUFFICIENT PLANT DEVELOPMENT FOR EROSION CONTROL.
- NO GRADING SHALL BE DONE UNTIL SITE- AND SEASON-SPECIFIC SOIL LOSS AND HOUSEKEEPING STORMWATER BMPs HAVE BEEN APPROVED BY THE INSPECTOR. THE CONTRACTOR SHOULD EMPLOY THE DESIGN BMPs AND ANY OTHERS NEEDED AS SITUATIONS ARISE. CONTRACTOR SHOULD CONDUCT SITE INSPECTIONS BEFORE, DURING AND AFTER EACH EXTENDED STORM EVENT TO IDENTIFY CONDITIONS THAT MAY CONTRIBUTE TO EROSION AND SEDIMENT PROBLEMS OR ANY OTHER POLLUTANT DISCHARGES. IF ADDITIONAL CONTROL MEASURES ARE NEEDED, CONTRACTOR SHOULD IMPLEMENT THEM IMMEDIATELY.

POLLUTION PREVENTION NOTES

IN ORDER TO MEET THE REQUIREMENTS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PROGRAM FOR CONSTRUCTION, CONSTRUCTION CONTRACTORS SHALL INSTALL AND MAINTAIN APPROPRIATE BEST MANAGEMENT PRACTICES (BMPs) AS SHOWN IN THE EROSION CONTROL PLAN ON ALL CONSTRUCTION PROJECTS. BMPs SHALL BE INSTALLED IN ACCORDANCE WITH INDUSTRY RECOMMENDED STANDARDS, AND/OR IN ACCORDANCE WITH A GENERAL CONSTRUCTION PERMIT ISSUED BY THE STATE FOR THE PROJECT TO PREVENT ANY DISCHARGES FROM THE PROJECT SITE OR INTO ANY STORM DRAIN FACILITIES, ALL SEDIMENTS, CONSTRUCTION MATERIALS, DEBRIS AND WASTES, 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, WIND, OR VEHICLE TRACKING. EROSION AND/OR SEDIMENT CONTROL DEVICES SHALL BE MODIFIED AS NEEDED AS THE PROJECT PROGRESSES TO ENSURE EFFECTIVENESS.

BMP MAINTENANCE NOTES

- FOLLOWING OWNER ACCEPTANCE OF CONSTRUCTION WORK, POST CONSTRUCTION BEST MANAGEMENT PRACTICE (BMP) MEASURES SHALL BE MAINTAINED BY THE PROPERTY OWNER, INCLUDING BUT NOT LIMITED TO:
  - ANNUAL INSPECTION, REPLACEMENT, AND/OR SEDIMENTATION REMOVAL OF VEGETATED SWALES, TREATMENT PONDS, AND OTHER SURFACE STORMWATER TREATMENT MEASURES AS REQUIRED WITH AN INCREASED FREQUENCY BASED ON SITE CONDITIONS.
  - MAINTENANCE SERVICE AGREEMENT(S) OF STORMWATER TREATMENT VAULTS, INLETS, MANHOLES, AND OTHER DEVICES BASED ON MANUFACTURERS' RECOMMENDATIONS AND FREQUENCY.
  - ANNUAL INSPECTION OF PERMEABLE PAVEMENT AND REMOVAL OF SEDIMENT AS NEEDED.
  - ANNUAL INSPECTION OF STORMWATER INLETS AND MAINTENANCE AS REQUIRED TO CLEAR GRATES AND INLETS OF DEBRIS.
  - THE PROJECT STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND WATER QUALITY MANAGEMENT PLAN (WQMP) MAY CONTAIN ADDITIONAL OR MORE STRINGENT MAINTENANCE REQUIREMENTS.
- BMP DETAILS MAY BE FOUND IN APPENDIX H OF THE PROJECT SWPPP DOCUMENT. BMP DETAILS PER CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA) AND ARE AVAILABLE AT [www.casqa.org](http://www.casqa.org).
- FOR PROJECTS GREATER THAN 1 ACRE, THE CONTRACTOR SHALL VERIFY THE STATUS OF THE SWPPP/NOI/DIVID PRIOR TO EARTHMOVING ACTIVITIES. A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE PREPARED AND A NOTICE OF INTENT (NOI) SHALL BE FILED WITH THE STATE WATER RESOURCES CONTROL BOARD (SWRCB) IN ACCORDANCE WITH THE REQUIREMENTS OF CALIFORNIA GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY (PERMIT NO. CAS000002) FOR ALL OPERATIONS ASSOCIATED WITH THESE PLANS. THE CONTRACTOR SHALL KEEP A COPY OF THE SWPPP ON SITE AND AVAILABLE FOR REVIEW.

AREA SUMMARY

TOTAL AREA OF WORK = 1.7± ACRES  
TOTAL DISTURBED AREA = 0.6± ACRES

DEMOLITION NOTES

- THE INTENT OF THE DEMOLITION PLAN IS TO DESCRIBE IN GENERAL THE DEMOLITION AREAS AFFECTED BY THE PROJECT CONSTRUCTION. IT IS NOT INTENDED AS A DETAILED DESCRIPTION OF EXISTING ITEMS OR ELEMENTS TO BE REMOVED. THE CONTRACTOR SHALL VISIT THE SITE AND REVIEW ALL AVAILABLE RECORD DOCUMENTS TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND SHOULD INCLUDE THE REMOVAL OF ALL ITEMS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE BINDING AS IF REQUIRED BY ALL TO THE EXTENT THAT IT IS REASONABLY INFERRABLE FROM THEM AS BEING NECESSARY TO PRODUCE THE INTENDED RESULTS.
- REMOVE EXISTING BUILDINGS, FOUNDATIONS AND SERVICE UTILITIES AS INDICATED ON PLANS. CAP ALL UTILITIES AT APPROPRIATE POINTS. ALL EXISTING ELECTRICAL / TELEPHONE / CATV UTILITIES SHALL BE REMOVED AS INDICATED OR BACK TO THE POINT WHERE THE SPECIFIC UTILITY SYSTEM ENTERS THE WORK AREA. COORDINATE DEMOLITION OF ALL UTILITIES WITH THE OWNER. ALL UTILITIES CONNECTED TO EXISTING BUILDINGS TO REMAIN SHALL CONTINUE TO BE OPERATIONAL DURING THE DEMOLITION PROCESS. DOMESTIC AND FIRE SERVICE WATER AND NATURAL GAS SHALL BE REMOVED TO A POINT OUTSIDE THE PERIMETER OF PROPOSED NEW CONSTRUCTION TO EXISTING VALVES OR SIMILAR SHUT-OFF DEVICES. IF A SHUT-OFF DEVICE IS NOT REASONABLY ADJACENT TO THE PERIMETER OF THE PROPOSED NEW CONSTRUCTION, PROVIDE A SHUT-OFF DEVICE IN BELOW-GRADE YARD BOX. CONFIRM LOCATION OF NEW DEVICES WITH OWNER PRIOR TO INSTALLATION. SANITARY SEWER AND STORM DRAINAGE SHALL BE CAPPED TO A POINT OUTSIDE THE PERIMETER OF THE PROPOSED NEW CONSTRUCTION. OTHER UTILITIES NOT SPECIFICALLY IDENTIFIED IN THESE DOCUMENTS AND NOT ANTICIPATED FOR REUSE SHALL BE REMOVED IN ENTIRETY.
- FOR ALL EXISTING MATERIALS THAT CAN BE SALVAGED, OWNER HAS FIRST RIGHT OF REFUSAL FOR REMOVED ITEMS THAT MAY HAVE RESIDUAL COMMERCIAL OR HISTORIC VALUE INCLUDING HARDWARE, GLASS, CORNERS, TIME CAPSULES, LIGHT STANDARDS, SIGNS, FENCING, BENCHES, WATER FOUNTAINS, TRASH CONTAINERS, ETC. SHALL REMAIN AS PROPERTY OF THE OWNER. ALL ITEMS TO BE SALVAGED FOR REUSE/REINSTALLATION MUST MEET CURRENT CODE REQUIREMENTS. COORDINATE ITEMS TO BE RETAINED WITH OWNER AND REMOVE FROM CONSTRUCTION SITE TO A LOCATION APPROVED BY OWNER. REMOVED MATERIALS, NOT INDICATED OR DIRECTED TO BE SALVAGED FOR THE OWNER'S BENEFIT ARE DEBRIS AND BECOME THE CONTRACTOR'S PROPERTY UPON REMOVAL.
- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY SEARCH OF THE AVAILABLE RECORDS AND FIELD SURVEYS. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT, UTILITY COMPANIES, AND/OR FIELD VERIFY AND LOCATE ALL UTILITIES BEFORE PROCEEDING WITH WORK. THE CONTRACTOR IS ALSO REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. NOTIFY THE ENGINEER IF ADDITIONAL UTILITIES ARE LOCATED OR IF CONFLICTS ARE FOUND WITH EXISTING CONDITIONS.
- ALL TREES TO BE REMOVED SHALL BE MARKED BY CONTRACTOR AND APPROVED FOR REMOVAL BY THE OWNER OR OWNER'S REPRESENTATIVE PRIOR TO REMOVING OR CUTTING TREE(S). EXISTING ROOTS SHALL BE GRINDED TO A DEPTH OF APPROXIMATELY 3-FEET. USE CAUTION WHILE GRINDING WHEN EXISTING UTILITIES ARE IN CLOSE PROXIMITY TO TREES. ALL TREES TO REMAIN WITHIN THE LIMIT OF WORK SHALL BE PROTECTED AND MAINTAINED PER SPECIFICATIONS AND DETAILS.
- SAWCUT EXISTING CONCRETE AND ASPHALT TO AN EXISTING CONTROL JOINT WHERE POSSIBLE, AT A MINIMUM TO A NEARBY CURB LINE. ALL DEBRIS SHALL BE Hauled OFFSITE TO A LEGAL DUMPING SITE OR SALVAGED FOR REUSE ON PROJECT AS NOTED.
- WORK WITHIN CITY, COUNTY, OR STATE RIGHT-OF-WAY REQUIRES A SEPARATE ENCROACHMENT PERMIT WHICH THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING PRIOR TO STARTING WORK WITHIN RIGHT-OF-WAY.
- CONTRACTOR TO COORDINATE UTILITY DEMOLITION WITH DRAINAGE AND UTILITY WORK SHOWN IN THIS PLAN SET. ALL UTILITY SHUTDOWNS SHALL BE COORDINATED PER PROJECT SPECIFICATIONS.
- EXISTING DRY UTILITIES SHOWN FOR DEMOLITION ARE SHOWN FOR COORDINATION ONLY. REFER TO OTHER DISCIPLINES FOR LIMITS AND DETAILS OF DEMOLITION.
- THE CONTRACTOR SHALL RECYCLE CONSTRUCTION DEBRIS, ASPHALT, AND CONCRETE GENERATED FROM REMOVALS REQUIRED TO CONSTRUCT THE PROJECT. THE CONTRACTOR IS OBLIGATED, UNDER THIS CONTRACT, TO RECYCLE THE WASTE MATERIAL THROUGH AN APPROVED RECYCLING PLANT.
- A LIST OF FACILITIES THAT ACCEPT CONSTRUCTION & DEMOLITION DEBRIS CAN BE FOUND ON THE CALRECYCLE WEBSITE AT: [HTTPS://WWW.CALRECYCLE.CA.GOV/CONDEMO](https://www.calrecycle.ca.gov/CONDEMO)
- CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING BUILDING FINISHES DURING DEMOLITION. ANY FINISH THAT IS DAMAGED DURING DEMOLITION SHALL BE REPAIRED OR REPLACED IN-KIND OR BETTER.

GENERAL NOTES TO CONTRACTOR

- THE CONTRACTOR SHALL CONTACT THE RESPECTIVE UTILITY OWNERS FOR LOCATION, REMOVAL, AND/OR RELOCATION OF ANY UTILITY SERVICES AFFECTED BY CONSTRUCTION. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONARY MEASURES TO PROTECT UNDERGROUND OR OVERHEAD STRUCTURES WHETHER OR NOT THEY ARE SHOWN ON THESE DRAWINGS.
- THE CONTRACTOR SHALL NOTIFY THE PROJECT INSPECTOR AND THE RESPECTIVE UTILITY OWNERS AND OTHER AGENCIES AT LEAST TWO WORKING DAYS PRIOR TO START OF CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXPOSING, VERIFYING LOCATIONS (BOTH HORIZONTAL AND VERTICAL), AND MAINTAINING ALL EXISTING UNDERGROUND UTILITIES, BOTH SHOWN ON THE PLANS AND/OR NOT SHOWN ON THE PLANS DURING CONSTRUCTION. REPAIR DAMAGED UTILITIES TO THE SATISFACTION OF THE ENGINEER. THE CONTRACTOR SHALL LOCATE EXISTING UNDERGROUND UTILITIES SUFFICIENTLY BEFORE CONSTRUCTION TO PERMIT REVISIONS TO PLANS BECAUSE OF LOCATIONS OF EXISTING FACILITIES AND SHALL REPORT ALL DISCREPANCIES TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES AND/OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. APPROVAL OF THESE PLANS DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE LOCATION OR THE EXISTENCE, OR NON-EXISTENCE OF ANY UTILITY AND/OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE ALL DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OF RECORD AND/OR NOT OF RECORD SHOWN OR NOT SHOWN AND ANY OTHER LINE(S) OR STRUCTURE(S) NOT SHOWN ON THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF, AND/OR DAMAGE TO THESE LINE(S) AND/OR STRUCTURE(S).
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY SHORING AT PROPOSED BUILDING FOUNDATIONS, FOOTINGS, AND WALLS TO PROTECT EXISTING UTILITIES IN PLACE.
- UNAUTHORIZED CHANGES AND USES - CAUTION: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.
- THE CONTRACTOR SHALL MAINTAIN THE EXISTING ACCESSIBLE ROUTE CLEAR OR PROVIDE AN ALTERNATE ACCESSIBLE ROUTE OF TRAVEL DURING DEMOLITION AND/OR CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN THE EXISTING FIRE EXITS AND STAIRS CLEAR AND USABLE OR PROVIDE ALTERNATE FIRE EXITS DURING DEMOLITION AND/OR CONSTRUCTION.

EARTHWORK QUANTITIES

APPROXIMATE CUT: 875 CY  
APPROXIMATE FILL: 225 CY

NOTE:  
EARTHWORK QUANTITIES INDICATED ARE FOR REFERENCE ONLY (NOT FOR BID OR PAYMENT). THE CONTRACTOR IS RESPONSIBLE FOR ACTUAL QUANTITIES.

\*HAUL ROUTE TO BE DETERMINED AT PRE-GRADE MEETINGS AND ALL NECESSARY PERMITS SHALL BE OBTAINED BY THE GENERAL CONTRACTOR.

EARTHWORK NOTES

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE GRADING PLANS AND SOILS REPORT THOROUGHLY PRIOR TO SITE MOBILIZATION. IT IS ALSO THE GRADING CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE CIVIL AND SOILS ENGINEERS IF ONSITE DISCREPANCIES ARE OBSERVED THAT WOULD AFFECT THE EARTHWORK QUANTITIES.
- THE EXISTING TOPOGRAPHY AS DELINEATED ON THESE DRAWINGS SHALL BE UTILIZED AS THE BASIS FOR ALL EARTHWORK COMPUTATIONS. SAID TOPOGRAPHY SHALL BE PRESUMED TO BE ACCEPTABLE TO ALL INTERESTED PARTIES UNLESS A DEVIATION IS FOUND PRIOR TO THE START OF GRADING IN ANY SPECIFIC AREAS. ANY DEVIATION SO DETERMINED SHALL BE PROMPTLY TRANSMITTED TO ALL INTERESTED PARTIES.
- THE CONTRACTOR IS REQUIRED TO ESTIMATE THE QUANTITIES OF GRADING WORK TO BE DONE AND INCLUDE ALL COSTS THEREFROM WITH HIS BID, AS NO ADDITIONAL ALLOWANCE WILL BE MADE WITHOUT PRIOR CONSENT FROM THE OWNER.
- OVER-EXCAVATION AND/OR EXCESS BACKFILLING OR DUPLICATION OF GRADING ACTIVITIES IS NOT A BASIS FOR ADDITIONAL COMPENSATION. THIS ALSO APPLIES WHERE MATERIAL IS TO BE REMOVED AND REPLACED TO REDUCE MOISTURE CONTENT.
- OFF-SITE DISPOSAL OF EXCAVATION MATERIAL IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE INCLUDED IN THE BID. THE CONTRACTOR SHALL HOLD THE OWNER AND ENGINEER HARMLESS AS A RESULT OF ANY CLAIMS ARISING FROM THE ACTIONS ENROUTE OR AWAY FROM THE SITE.
- EARTH VOLUMES SHOWN HEREON ARE ESTIMATES BASED UPON THE GEOTECHNICAL ANALYSIS PERFORMED BY THE NAMED SOILS ENGINEER AND TOPOGRAPHIC SURVEY OF THE EXISTING GROUND SURFACE AT THE TIME OF PLAN PREPARATION. EARTHWORK VOLUMES ARE COMPUTED BY METHODS COMMONLY USED IN STANDARD ENGINEERING PRACTICE, AND ARE INTENDED FOR USE IN ESTABLISHING GOVERNING AGENCY FEES. ACTUAL FIELD CONDITIONS MAY VARY FROM OBSERVED OR MEASURED CONDITIONS AT THE TIME OF PLAN PREPARATION. EARTHWORK QUANTITIES MAY VARY AS A RESULT.
- ANY EXPORT OR IMPORT REQUIRED TO BALANCE THE SITE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- PAVEMENT AND SUBGRADE RECOMMENDATIONS RELATED TO OVER-EXCAVATION, PAVEMENT SUBGRADE, ETC., PER GEOTECHNICAL REPORT.

GEOTECHNICAL INFORMATION

FOR SITE PREPARATION, OVEREXCAVATION, FOUNDATION RECOMMENDATIONS, PAVEMENT, SUBGRADE, AND GRADATION REQUIREMENTS SEE GEOTECHNICAL INVESTIGATION REPORT ENTITLED:

GEOLOGICAL HAZARDS AND  
GEOTECHNICAL ENGINEERING REPORT  
VALLEY ROBOTICS ACADEMY  
LODI, CALIFORNIA

PREPARED BY: TERRACON CONSULTANTS, INC.  
902 INDUSTRIAL WAY  
LODI, CA 95240  
(209) 367-3701

PROJECT NO.: NA195099  
DATED: DECEMBER 19, 2019

IMPORTANT NOTICE

- ALL ASBESTOS CEMENT PIPE TO BE REMOVED SHALL BE SNAPPED, ENCAPSULATED, AND DISPOSED OF PER LOCAL, STATE, AND FEDERAL REGULATIONS.
- DOMESTIC WATER SERVICE AND FIRE PROTECTION SHALL BE MAINTAINED DURING CONSTRUCTION. PROVIDE BYPASS LINES DURING CONSTRUCTION INCLUDING TIE-IN, COORDINATE ALL SHUT DOWNS OF WATER AND POWER WITH OWNER PRIOR TO CONSTRUCTION.
- PURSUANT TO CALIFORNIA ASSEMBLY BILL 1953 ALL PIPE, FITTINGS, AND FIXTURES INTENDED TO CONVEY OR DISPENSE WATER FOR HUMAN CONSUMPTION THROUGH DRINKING WATER OR COOKING SHALL BE "LEAD FREE" AS OF JANUARY 1, 2010.

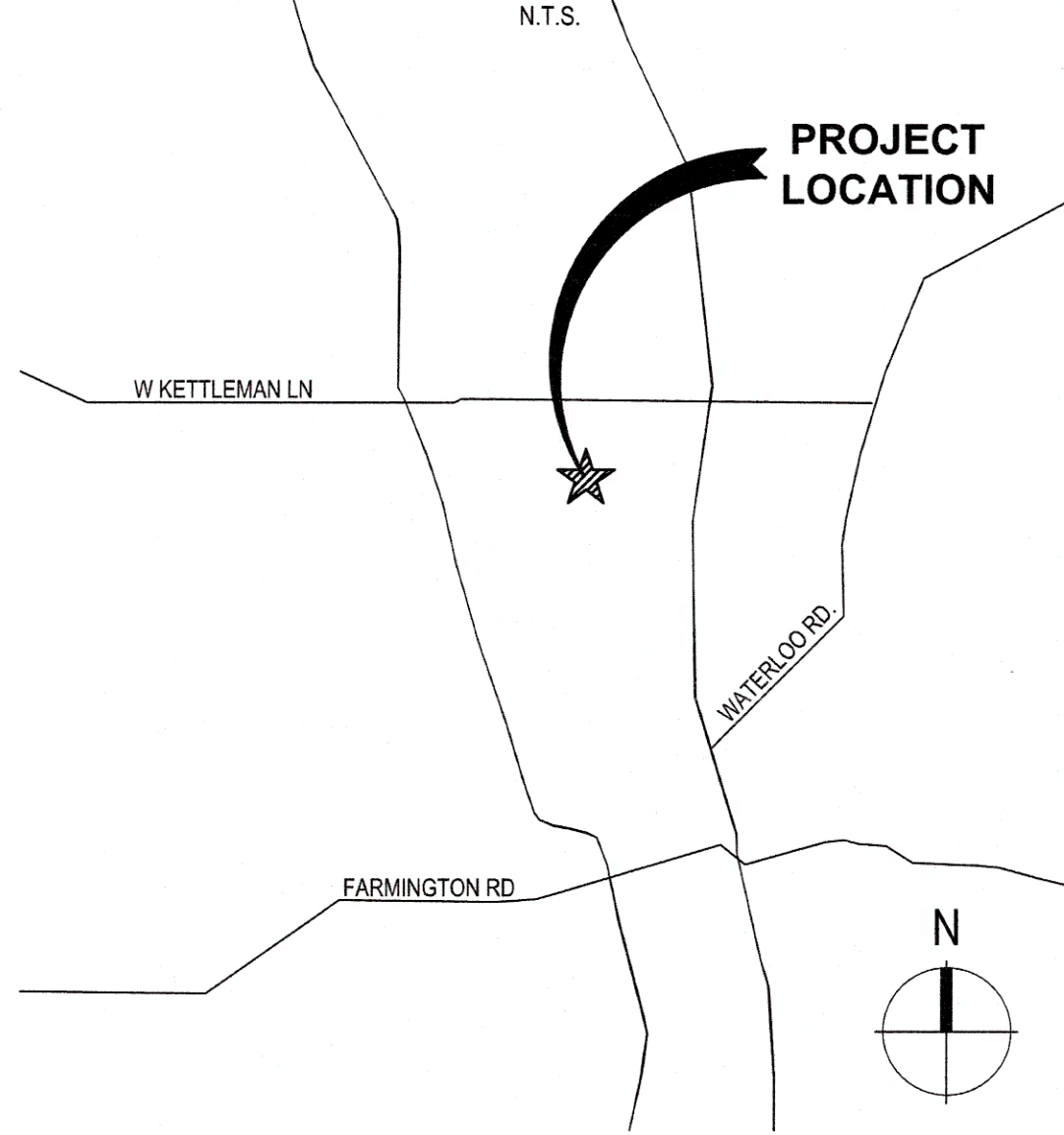
DEDICATED FIRE ACCESS

PORTIONS OF DEMOLITION MAY REQUIRE BLOCKING AND/OR OBSTRUCTING THROUGH ACCESS TO EMERGENCY / FIRE ACCESS VEHICLES. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE A FIRE WATCH SPECIALIST SERVICE FOR THE DURATION OF TIME THAT EMERGENCY / FIRE ACCESS VEHICLES ARE BLOCKED AND/OR OBSTRUCTED DURING CONSTRUCTION UNLESS EQUIVALENT ALTERNATE MEASURES ARE TAKEN TO ENSURE CONTINUOUS ACCESS TO EMERGENCY / FIRE ACCESS VEHICLES. CONTRACTOR TO COORDINATE THROUGH ACCESS TO EMERGENCY / FIRE ACCESS VEHICLES WITH THE LOCAL FIRE AUTHORITY HAVING JURISDICTION.

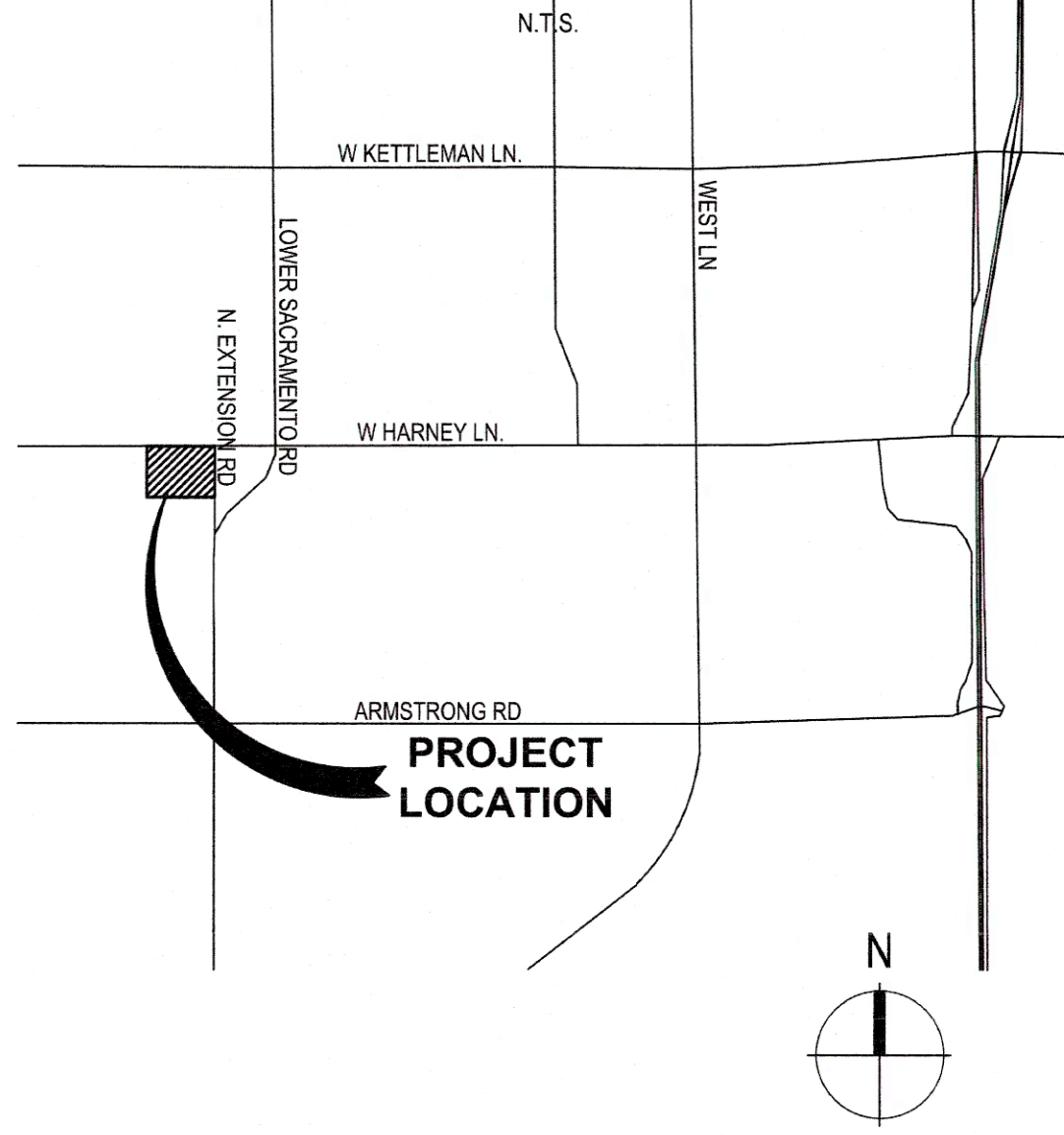
SURVEY DATA

- VERTICAL DATUM: CITY OF LODI (NAVD 88)  
BENCHMARK: SW COR STORM DRAIN WEIR STRUCTURE, S/ SE COR OF N. BASIN OF DEBENEDETTI PARK, TI CONCRETE STRUCTURE  
BENCHMARK NO. 1102, ELEVATION = 32.148'
- BOUNDARY AND EASEMENTS SHOWN HEREON ARE BASED ON TITLE REPORT NO. 2220263054-PL BY OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY, EFFECTIVE DATE SEPTEMBER 18TH, 2019.

VICINITY MAP



LOCATION MAP

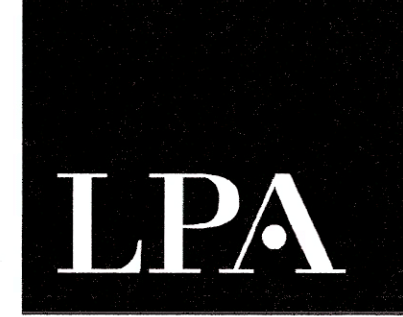
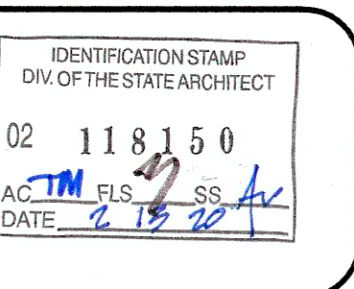


CIVIL SHEET INDEX

C0.01	CIVIL NOTES
C0.02	EXISTING CONDITIONS
C0.03	FIRE ACCESS PLAN
C1.01	DEMOLITION PLAN
C2.01	SITE IMPROVEMENT PLAN
C3.01	EROSION CONTROL PLAN
C4.01	DETAILS
C4.02	DETAILS

DIG ALERT NOTICE

PURSUANT TO THE CALIFORNIA GOVERNMENT CODE SECTION 4216, NO EXCAVATION PERMIT IS VALID UNLESS DIG ALERT HAS BEEN CONTACTED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF EXCAVATION AND AN INQUIRY IDENTIFICATION NUMBER HAS BEEN ISSUED.



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VALLEY ROBOTICS  
EXTENSION ROAD

13451 N. EXTENSION RD  
LODI, CA 95242

Developed for  
LODI UNIFIED SCHOOL DISTRICT

Date	
Revision	

Submittal	Date	
DSA SUBMITTAL	01/15/2020	

Job Number	19160.11
Date Published	01.15.2020
Checked By	AH
Scale	

COVER  
SHEET

C0.01



# SURVEY CONTROL

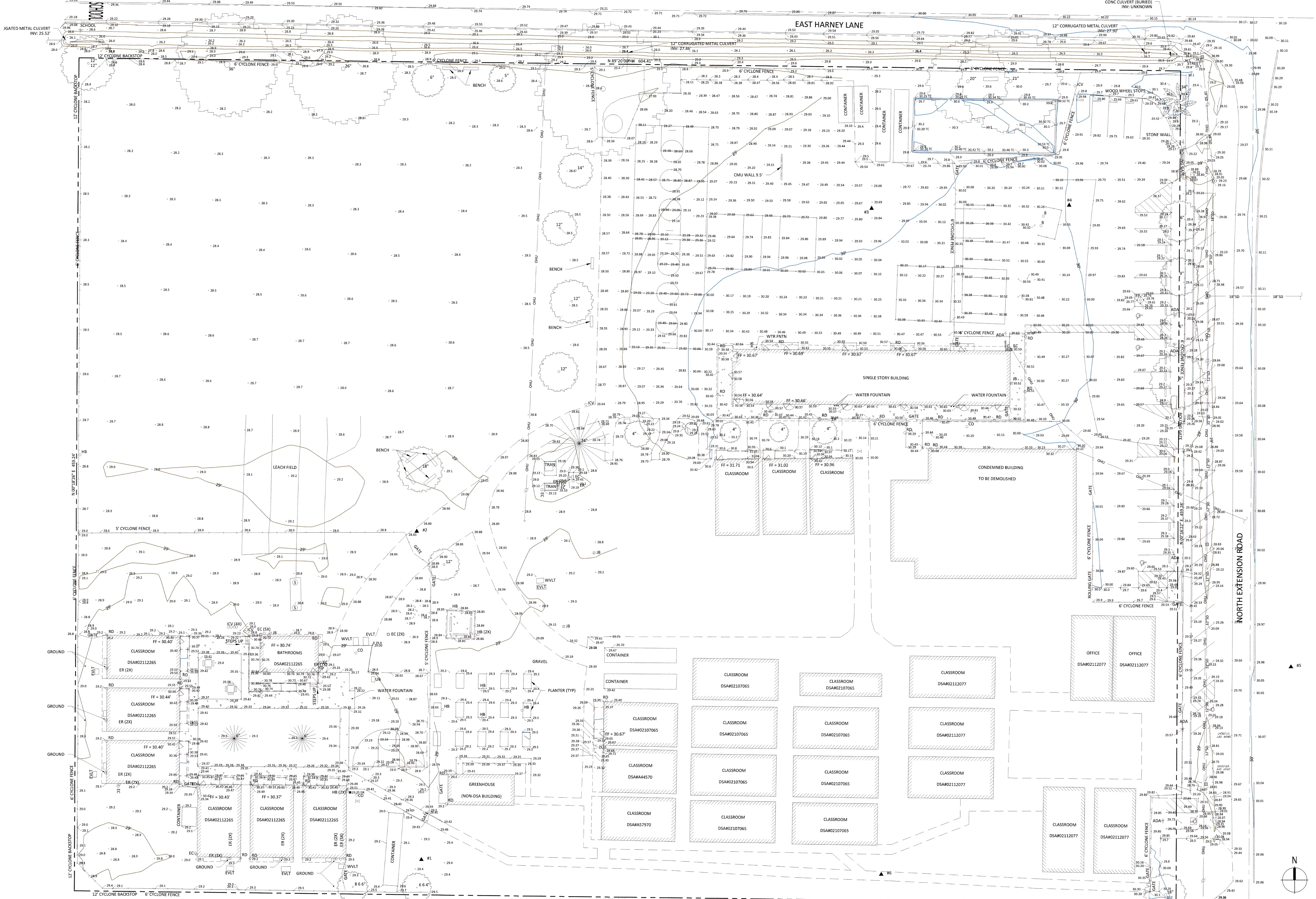
1. SEE SHEET C0.01 FOR BENCHMARK AND BASIS OF BEARINGS.

## LEGEND:

	BUILDING OUTLINE WITH DOOR		SANITARY SEWER LINE		ELECTRICAL METER		CURB INLET		DECIDUOUS TREE W/ TRUNK DIAMETER
	CONCRETE SURFACE		WATER LINE		ELECTRICAL RISER		SANITARY/STORM CLEAN OUT		PERIMETER REPRESENTS DRUPINE
	ASPHALT SURFACE		GAS LINE		ELECTRICAL CABINET		SANITARY/STORM STRUCTURE #		CONIFEROUS TREE W/ TRUNK DIAMETER
	WALL		OVERHEAD UTILITY LINES		ELECTRICAL SWITCH		TELECOMMUNICATIONS VAULT		PERIMETER REPRESENTS DRUPINE
	BUILDING OVERHANG		UNDERGROUND LINE PER AS-BUILTS		TRANSFORMER		TELECOMMUNICATIONS RISER		PROJECT CONTROL POINT
	CURB LINE		SIGN		GUY ANCHOR		WATER VALVE		FOUND MONUMENT
	EDGE OF ASPHALT		FLAG POLE		GUY POLE		WATER MANHOLE		ADA PARKING
	RIGHT-OF-WAY LINE		HANDICAP RAMP		POWER POLE		WELL		
	LOT LINE		TOP OF CURB		SANITARY MANHOLE WITH STRUCTURE		HOSE BIB		
	PROPERTY LINE		FLOW LINE		STORM MANHOLE WITH STRUCTURE		IRRIGATION CONTROL VALVE		
	ELECTRICAL LINE		ROOF DRAIN		CATCH BASIN/AREA DRAIN		UNKNOWN UTILITY BOX		
	TELECOMMUNICATIONS LINE		ELECTRICAL MANHOLE						
	STORM LINE		ELECTRICAL JUNCTION BOX						

## PROJECT CONTROL:

STATION	DESCRIPTION	NORTHING	EASTING	ELEVATION
1	SPIKE	2,223,931.74	6,327,993.83	29.27'
2	MAG NAIL W/ WASHER "KPF CONTROL"	2,224,112.67	6,327,991.29	28.88'
3	MAG NAIL W/ WASHER "KPF CONTROL"	2,224,290.81	6,328,240.77	29.77'
4	MAG NAIL W/ WASHER "KPF CONTROL"	2,224,292.65	6,328,349.16	30.02'
5	5/8" IR W/ RED PLASTIC CAP "KPF CONTROL"	2,224,038.12	6,328,471.14	29.32'
6	SCRIBED "X" IN CONCRETE	2,223,923.63	6,328,246.30	29.63'



IDENTIFICATION/STAMP  
DIV OF THE STATE ARCHITECT  
02 118150  
DATE 01/15/2020

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EXTENSION ROAD**  
13451 N. EXTENSION RD  
LODI, CA 95242  
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LODI UNIFIED SCHOOL DISTRICT

Date	01/15/2020
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EXISTING  
CONDITIONS

C0.02



LEGEND	
SYMBOL	DESCRIPTION
	PROPOSED FIRE ACCESS LANE, UNOBSTRUCTED WIDTH OF 20' WIDE (MIN.) AND OVERHEAD CLEARANCE OF 13'-6" (MIN.)
	RED STRIPE ON PAVEMENT LABELED "NO PARKING - FIRE LANE". TEXT AT 30 FEET ON CENTER MARK

IDENTIFICATION STAMP	
DIV. OF THE STATE ARCHITECT	
02	118150
AC	PLS
DATE	02.15.20

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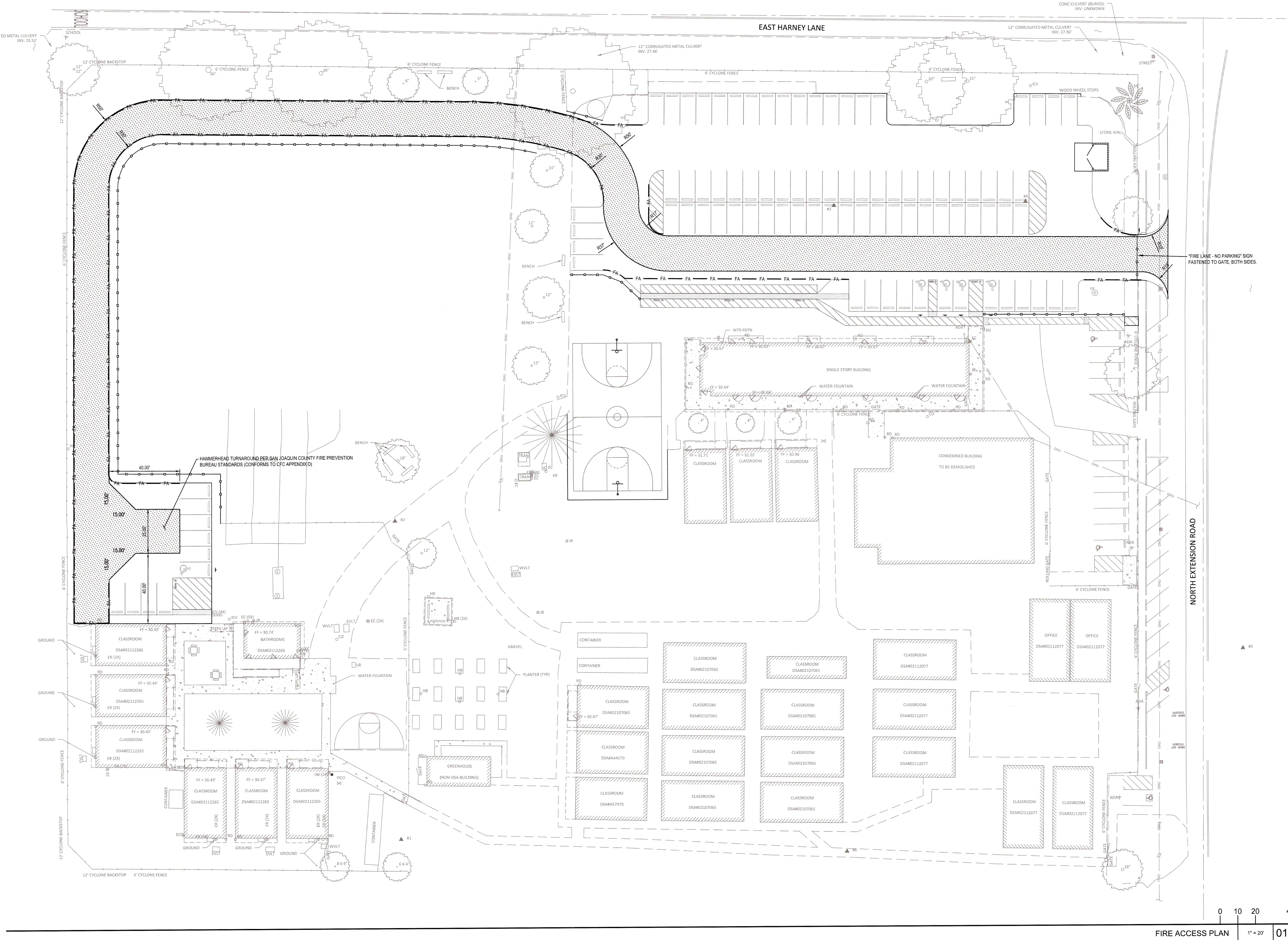
Date	
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Date	01.15.2020
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Scale	AS SHOWN

**FIRE ACCESS  
PLAN**

**C0.03**





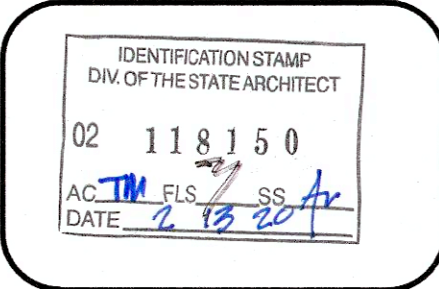
DEMOLITION LEGEND	
LABEL	DESCRIPTION
	REMOVE (E) AC PAVEMENT. SEE DEMOLITION NOTE 08 SHEET C0.01.
	REMOVE (E) LANDSCAPING. SEE LANDSCAPE AND IRRIGATION PLANS FOR IMPROVEMENTS.
	REMOVE (E) TREE. SEE DEMOLITION NOTE 5, SHEET C0.01.
	(E) TREE TO REMAIN AND BE PROTECTED. SEE DEMOLITION NOTE 5, SHEET C0.01.
	SAWCUT (E) PAVEMENT AS NEEDED WITH CLEAN, VERTICAL, STRAIGHT LINES. SEE DEMOLITION NOTES 6 AND 08, SHEET C0.01.
	GRIND (E) PAVEMENT 0.15" DEEP MIN. IN PREPARATION FOR ASPHALT OVERLAY. SEE DEMOLITION NOTES 6 AND 08, SHEET C0.01.

KEY NOTE	DESCRIPTION
01	REMOVE (E) CMU WALL AND FOOTING.
02	REMOVE AND RELOCATE (E) CARGO CONTAINERS TO LOCATION SPECIFIED BY THE DISTRICT.
03	REMOVE (E) ASPHALT CURB. CURBS SHALL BE SAWCUT CLEAN AT 45-DEGREE ANGLE TO MATCH (E).
04	REMOVE (E) WHEELSTOP.
05	REMOVE (E) BOLLARDS. CUT POSTS AND GRIND SMOOTH FLUSH WITH (E) PAVEMENT SURFACE. FILL VOIDS WITH NON-SHRINK GROUT.
06	REMOVE PORTIONS OF (E) FENCE AND POSTS. CUT POSTS AND GRIND SMOOTH FLUSH WITH (E) PAVEMENT SURFACE. FILL VOIDS WITH NON-SHRINK GROUT.

KEY NOTE	DESCRIPTION
07	REMOVE (E) BASKETBALL HOOP AND POST. CUT POST AND GRIND SMOOTH FLUSH WITH (E) PAVEMENT SURFACE. FILL VOIDS WITH NON-SHRINK GROUT.
08	REMOVE (E) STRIPING. BLACK OUT WITH PAINT SUITABLE FOR ASPHALT APPLICATION.
09	REMOVE (E) SIGN AND POST. CUT POST AND GRIND SMOOTH FLUSH WITH (E) SURFACE.
10	FOR PORTION OF (E) TREE CANOPY OVERHANGING THE PROPOSED ROADWAY, CAREFULLY PRUNE (E) BRANCHES SUCH THAT 13'-6" VERTICAL CLEARANCE IS PROVIDED ABOVE PROPOSED ROADWAY. PRUNING SHALL BE PERFORMED BY A CERTIFIED TREE PRUNING FIRM AS APPROVED BY THE DISTRICT.

KEY NOTE	DESCRIPTION
50	PROTECT (E) BUILDING, FOUNDATION AND OTHER STRUCTURAL FEATURES AND BUILDING UTILITIES.
51	PROTECT (E) AC PAVEMENT, CONCRETE PAVEMENT AND WALKWAY.
52	PROTECT (E) DETECTABLE WARNING SURFACE (TRUNCATED DOMES).
53	PROTECT (E) STRIPING.
54	PROTECT (E) BENCH.
55	PROTECT (E) STORM DRAIN FACILITIES.

KEY NOTE	DESCRIPTION
56	PROTECT (E) SANITARY SEWER SEPTIC AND LEACH FIELD FACILITIES.
57	PROTECT (E) FLAG POLE.
58	PROTECT (E) FENCE.
59	PROTECT (E) UTILITY POLE AND CONDUIT.
60	PROTECT (E) WATER TANK AND APPURTANANCES. SEE SHEET C2.00 FOR RELOCATION REQUIREMENTS.



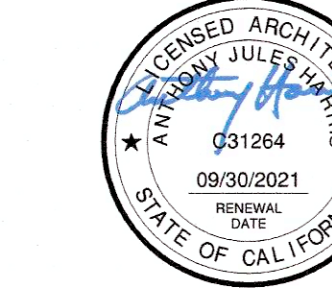
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Developed for  
LODI UNIFIED SCHOOL DISTRICT

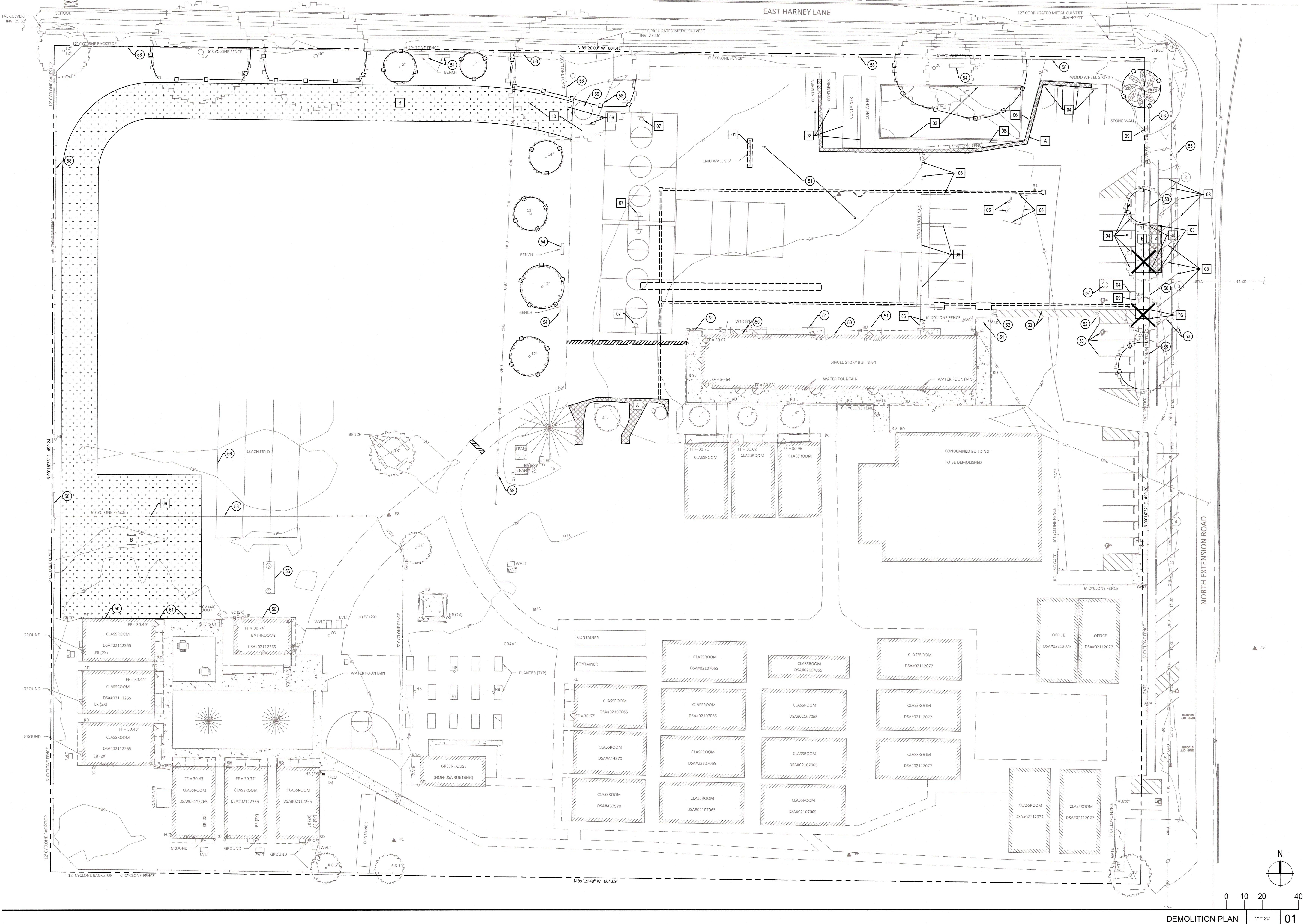
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Date	01.15.2020
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Checked By	AH
Scale	AS SHOWN

DEMOLITION  
PLAN

C1.01





SURVEY CONTROL	
1.	SEE SHEET C0.01 FOR BENCHMARK AND BASIS OF BEARINGS.
2.	SEE SHEET C0.02, EXISTING CONDITIONS, FOR SURVEY CONTROL.
ACCESSIBILITY	
SYMBOL	DESCRIPTION
.....	ACCESSIBLE PATH OF TRAVEL FROM RIGHT OF WAY TO OFFICE
STRIPING NOTES	
1.	ALL EXISTING (E) STRIPING AND MARKINGS TO REMAIN UNLESS OTHERWISE NOTED. CONFLICTS BETWEEN (E) AND PROPOSED SHALL BE RESOLVED BY THE ENGINEER.
2.	PAVEMENT THAT IS DAMAGED DUE TO THE REMOVAL OF MARKERS OR STRIPING SHALL BE REPAIRED TO THE SATISFACTION OF THE DISTRICT.
STRIPING LEGEND	
SYMBOL	DESCRIPTION
FA	FIRE ACCESS - PAINT RED STRIPE ON AC PER DETAIL 10, SHEET C4.02.

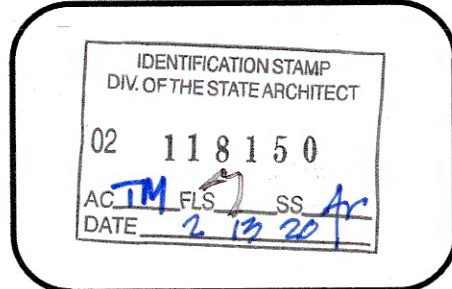
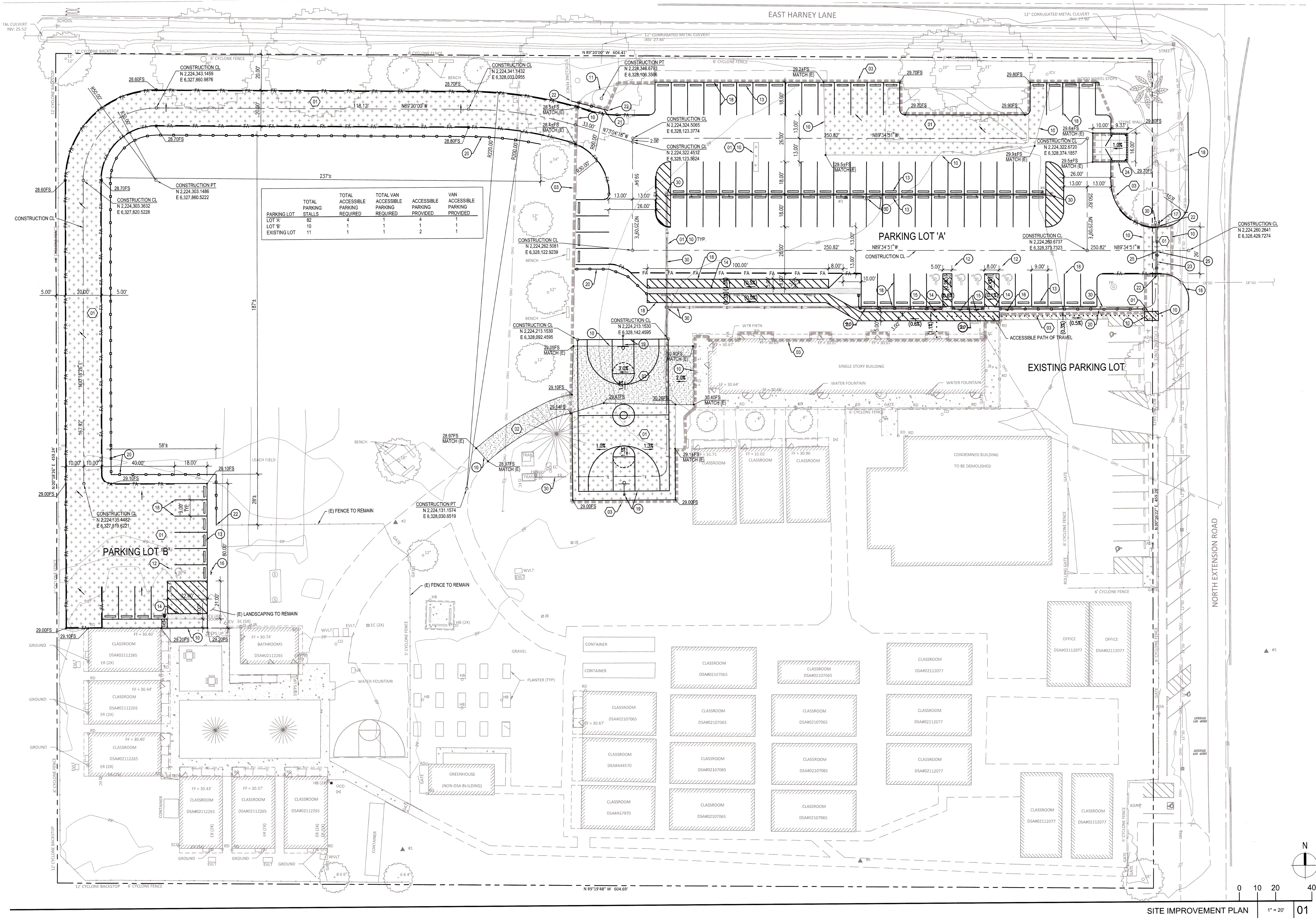
PAVING NOTE:	
1.	SEE SPECIFICATIONS FOR ADDITIONAL PAVEMENT AND PAVING REQUIREMENTS.
GRADING & PAVING LEGEND	
SYMBOL	DESCRIPTION
23.40FS	FINISHED SURFACE OF PAVEMENT
1.0%	SLOPE OF PAVEMENT
01	AC PAVEMENT - PEDESTRIAN, TRAFFIC, HEAVY DUTY 3.5" AC 4.5" AB CLASS 2/ COMPACTED SUBGRADE PER GEOTECH. R-VALUE=39, TH=0. SEE SPECIFICATIONS
02	AC OVERLAY - PEDESTRIAN, LIGHT TRAFFIC DEPTH VARIES 1.5" TO 6"
03	LIMITS OF AC SLURRY SEAL TO BE PLACED AFTER CONSTRUCTION OF AC PAVEMENT AND OVERLAY. DETECTABLE WARNING SURFACES, AND FOOTINGS, BUT PRIOR TO PLACEMENT OF STRIPING AND WHEELSTOPS. SEE SPECIFICATIONS.

KEY NOTE	DESCRIPTION
10	FINISHED SURFACE OF NEW ASPHALT PAVEMENT, PATCHING AND OVERLAY SHALL MATCH FLUSH WITH EXISTING (E) WITH NO LIPS, BULGING OR UNDULATIONS.
11	RELOCATE (E) DOMESTIC WATER TANK AND APPURTANANCES (APPROXIMATELY 12') CLEAR OF NEW ACCESS ROAD TO LOCATION SHOWN. ADJUST PIPING AS NEEDED.
12	PAINT ACCESSIBLE PARKING STALL PER DETAIL 01, SHEET C4.01.
13	SET PRECAST CONCRETE WHEEL STOP PER DETAIL 03, SHEET C4.01.
14	SET DETECTABLE WARNING SURFACE WITH TRUNCATED DOME PAVERS WET-SET IN CONCRETE PER DETAIL 04, SHEET C4.01. WIDTH = AS SHOWN ON PLAN, DEPTH = 36".

KEY NOTE	DESCRIPTION
15	SET STANDARD ACCESSIBLE PARKING SIGN PER DETAIL 06, SHEET C4.01.
16	SET VAN ACCESSIBLE PARKING SIGN PER DETAIL 07, SHEET C4.01.
17	SET UNAUTHORIZED VEHICLE PARKING SIGN PER DETAIL 08, SHEET C4.01.
18	PAINT 4" WHITE STRIPING. FOR STANDARD PARKING STALLS, SEE STANDARD PARKING STALL DETAIL 09, SHEET C4.01.
19	PAINT BASKETBALL COURT PER DETAIL 13, SHEET C4.01. CONSTRUCT BASKETBALL HOOP ASSEMBLIES PER DETAILS 10 AND 21, SHEET C4.01.

KEY NOTE	DESCRIPTION
20	CONSTRUCT 4' TALL CHAIN LINK FENCE INCLUDING POSTS AND FOOTINGS PER DETAILS 10 AND 11, SHEET C4.01. TOTAL LINEAR FOOTAGE = 625 FEET ±.
21	CONSTRUCT 6' TALL CHAIN LINK FENCE INCLUDING POSTS AND FOOTINGS PER DETAILS 10 AND 11, SHEET C4.01.
22	SET NEW END POSTS AT (E) FENCE AS NEEDED TO SUPPORT FENCE MODIFICATIONS. CONNECT (E) FENCE TO NEW END POSTS. SEE DETAILS 10 AND 11, SHEET C4.01.
23	CONSTRUCT 6' TALL SLIDING GATE PER DETAIL 12, SHEET C4.01.
24	CONSTRUCT CMU TRASH ENCLOSURE PER DETAILS 1 AND 2, SHEET C4.02. CONCRETE SLAB: 5.5" PCC/ 4" AS CLASS 2/ COMPACTED SUBGRADE PER GEOTECH. PLACE CONSTRUCTION JOINTS AS SHOWN.

KEY NOTE	DESCRIPTION
25	PROVIDE AND FASTEN "FIRE LANE - NO PARKING" SIGN TO BOTH SIDES OF GATE PER DETAIL 09, SHEET C4.02.
ELECTRICAL NOTES:	
KEY NOTE	DESCRIPTION
30	CONSTRUCT ELECTRICAL CONDUITS, CONDUCTORS AND PULL BOXES. SEE ELECTRICAL PLAN. IF CONDUITS ARE EMPTY, PROVIDE PULL ROPES.



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Beverly Hills, CA 90212



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EXTENSION ROAD  
13451 N. EXTENSION RD  
LODI, CA 93242  
Developed for  
LODI UNIFIED SCHOOL DISTRICT

Revision	Date
1	01.15.2020
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**SITE  
IMPROVEMENT  
PLAN**

**C2.01**



-SEE SHEET C0.01 FOR EROSION AND SEDIMENT CONTROL NOTES.

-SEE SHEET C0.01 FOR BMP MAINTENANCE NOTES.

-ALL BMPs PER CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA)(UNLESS NOTED OTHERWISE) AND ARE AVAILABLE AT [www.casqa.org](http://www.casqa.org).

-BMPs NOT CALLED OUT PER PLAN, ARE SHOWN FOR REFERENCE AS BMP OPTIONS PER QSP (QUALIFIED SWPPP PRACTITIONER) FIELD RECOMMENDATIONS.

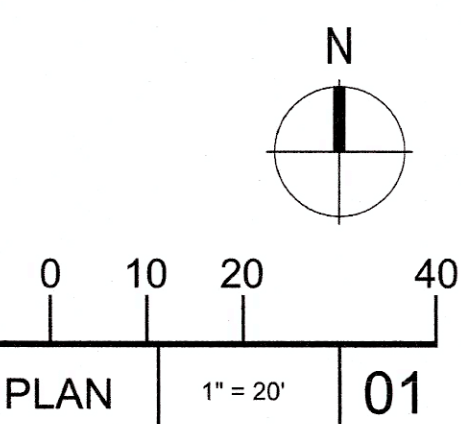
-AT THE COMPLETION OF PROJECT, CONTRACTOR SHALL REMOVE ALL CONSTRUCTION BMPs FROM SITE AND DISPOSE IN A LEGAL MANNER.

**EROSION CONTROL BMPs:**

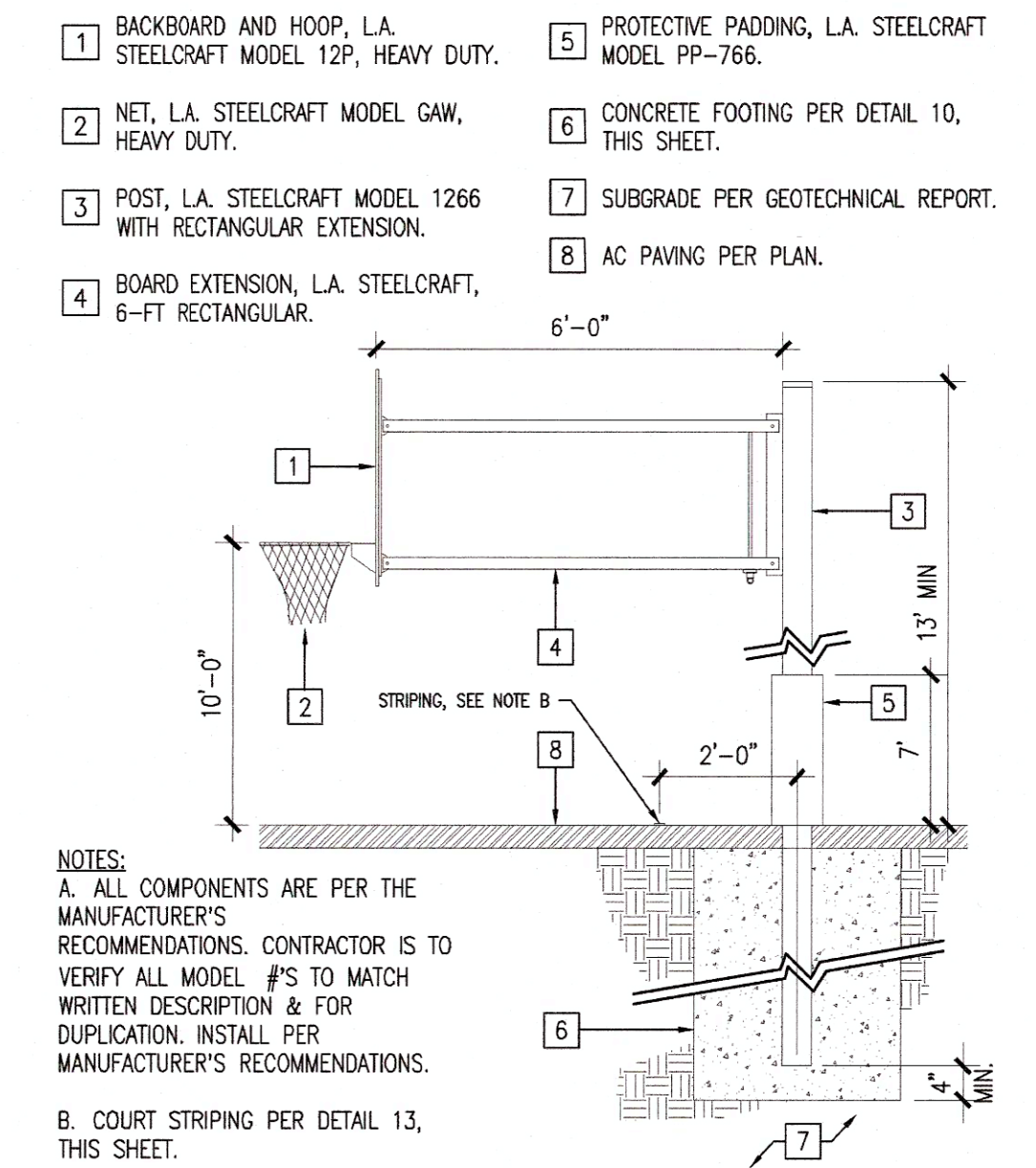
**TRACKING CONTROL BMPs:**

**NON-STORMWATER MANAGEMENT CONTROL BMPs:**

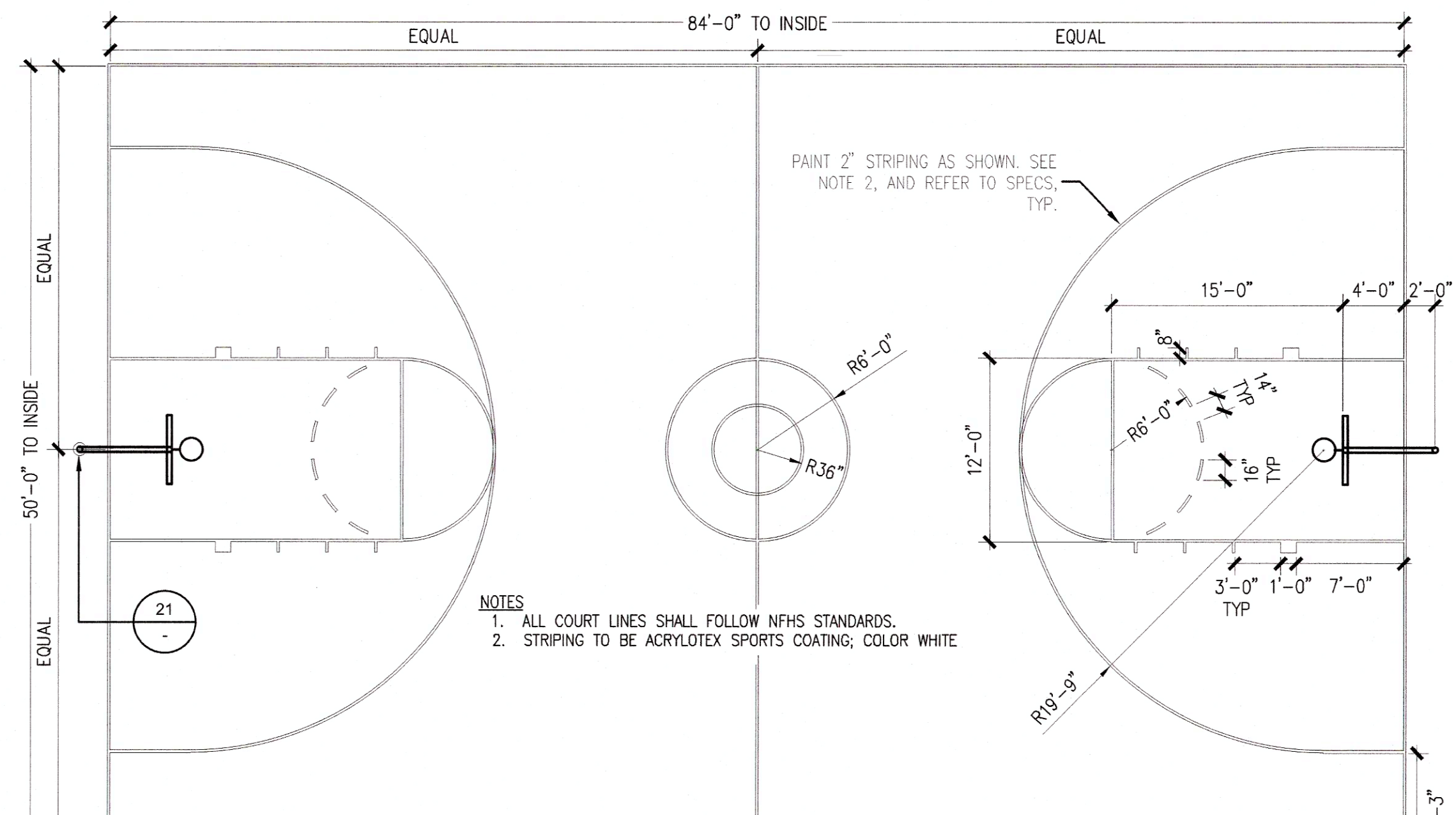
## WASTE MANAGEMENT AND MATERIALS



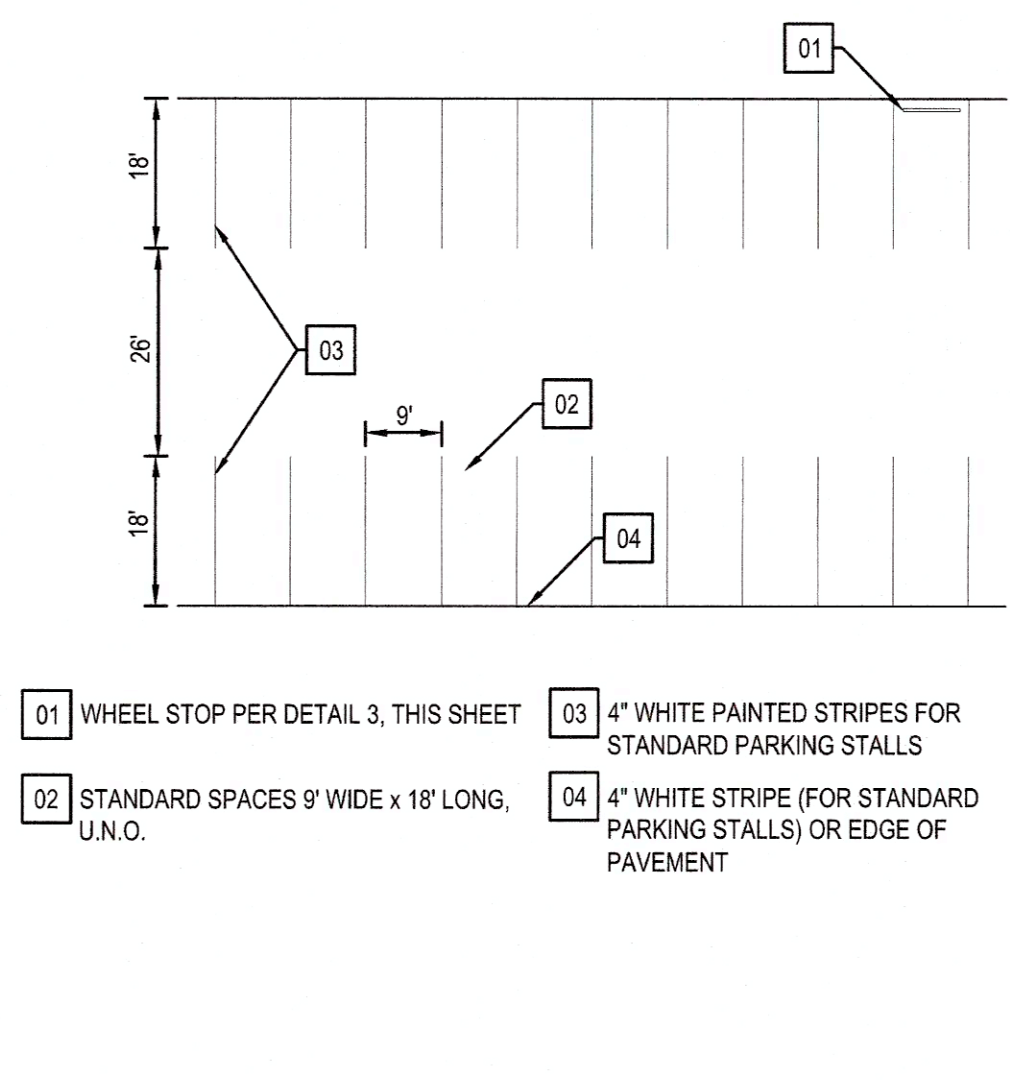




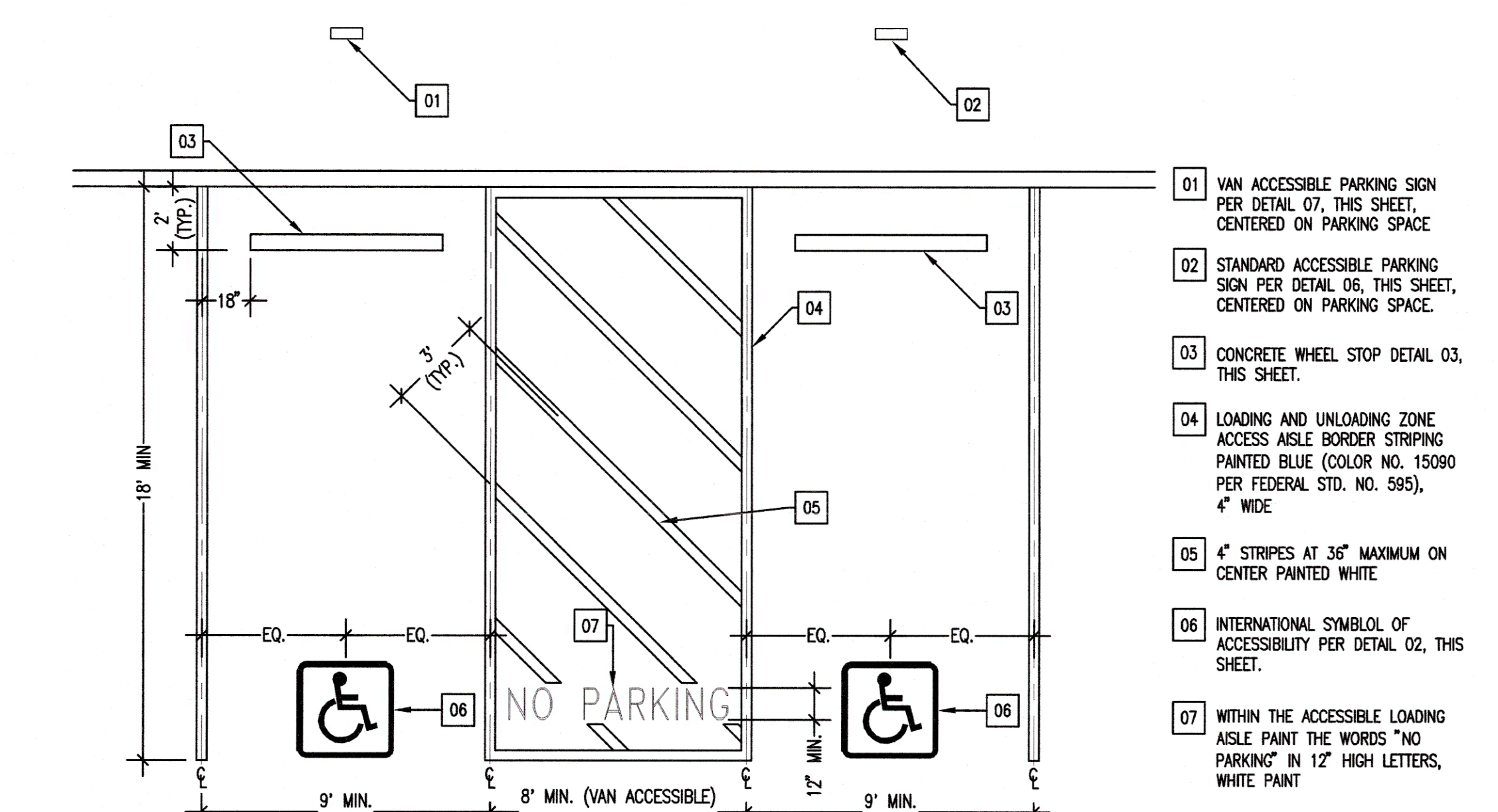
BASKETBALL HOOP ASSEMBLY NTS 21



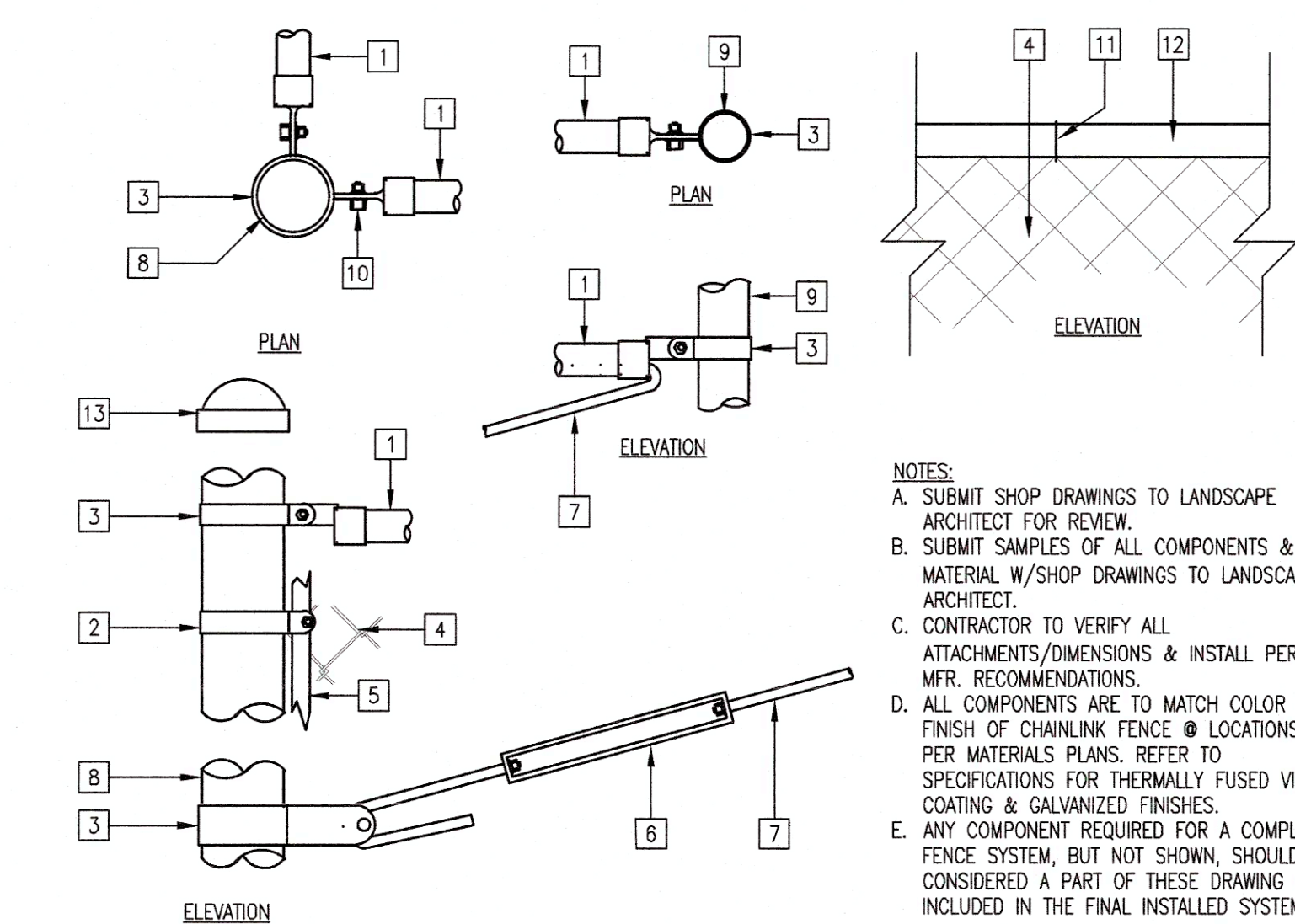
BASKETBALL COURT NTS 13



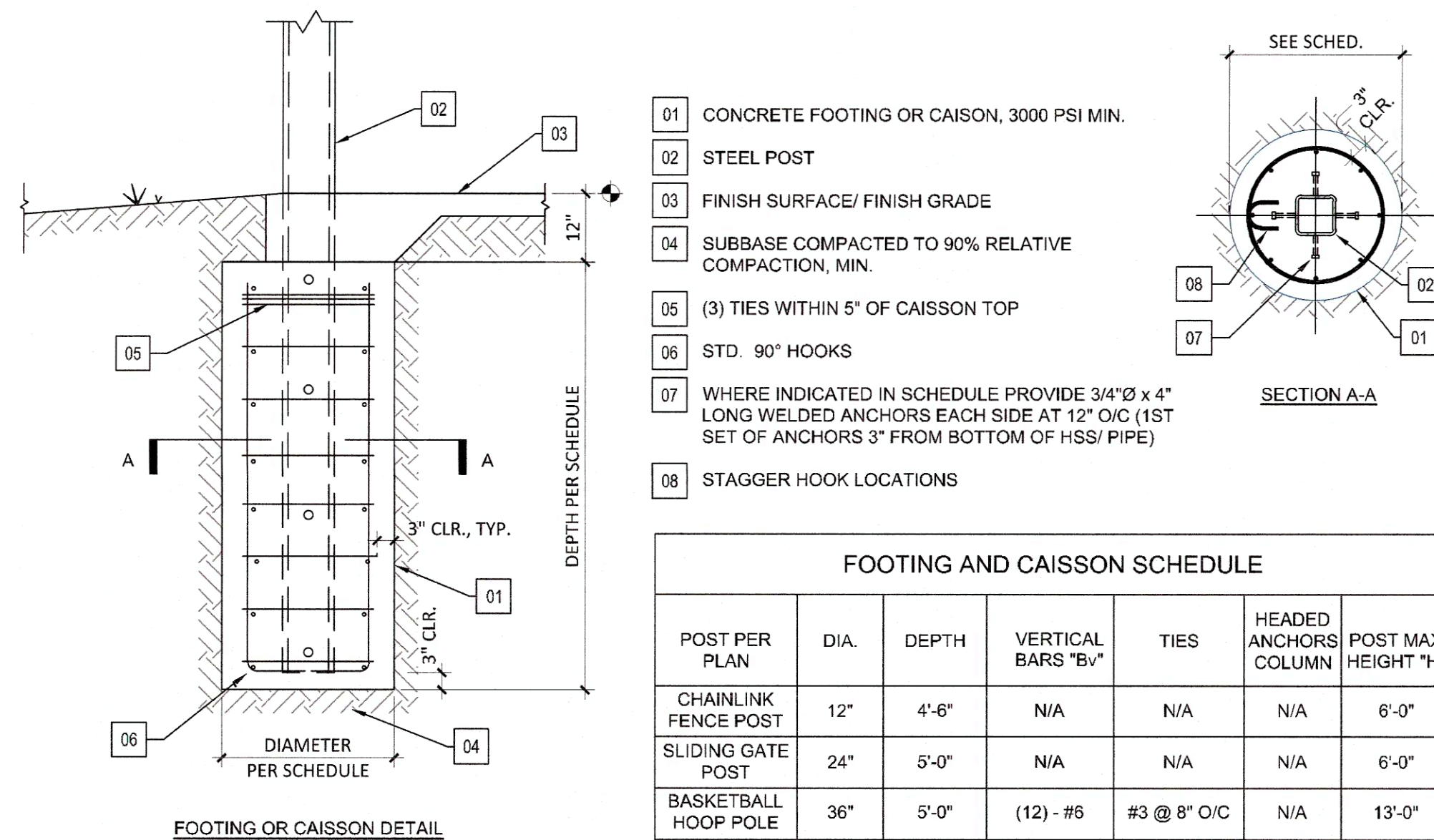
STRIPING FOR STANDARD 90° PARKING NTS 09



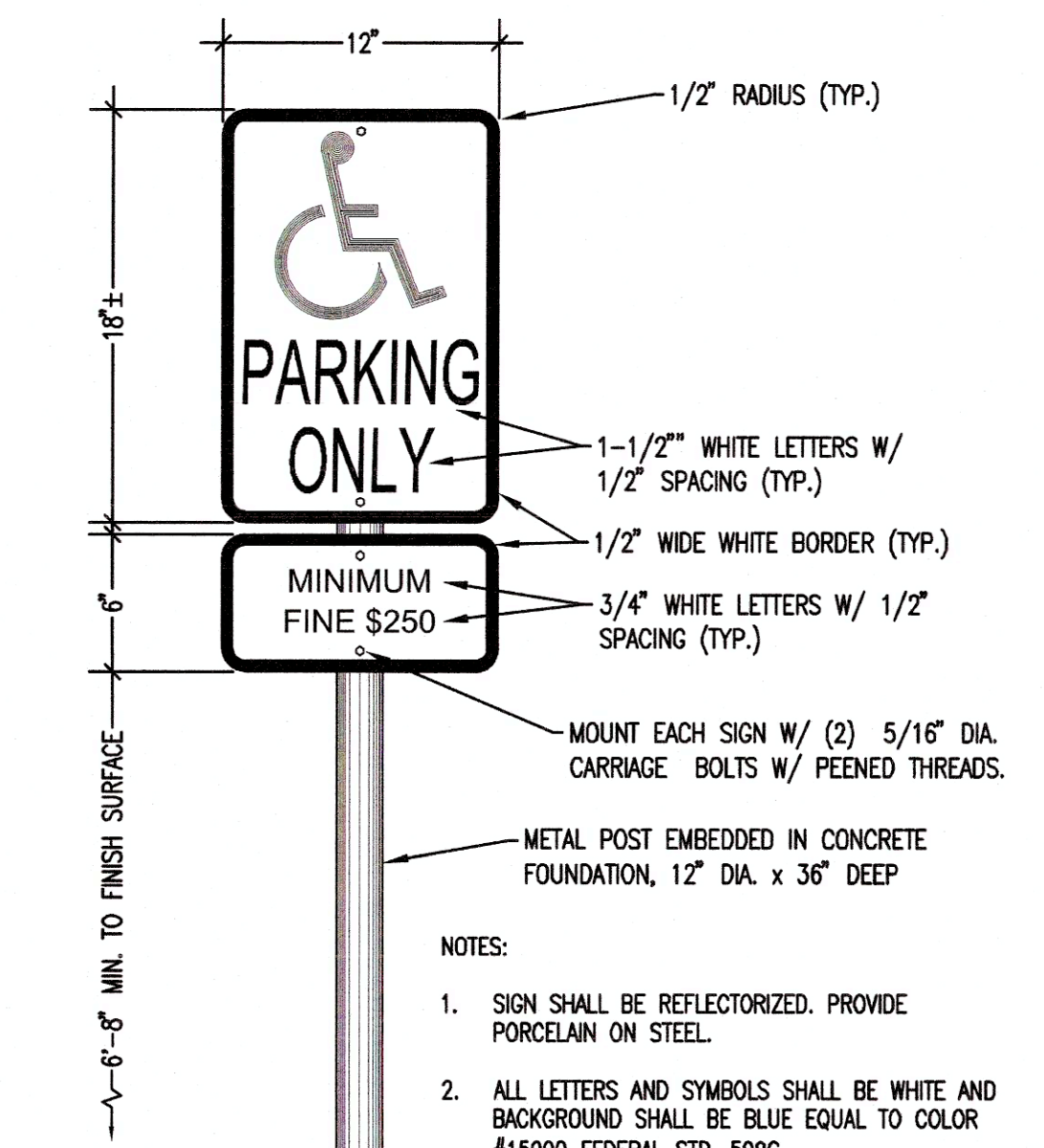
ACCESSIBLE PARKING STALL NTS 01



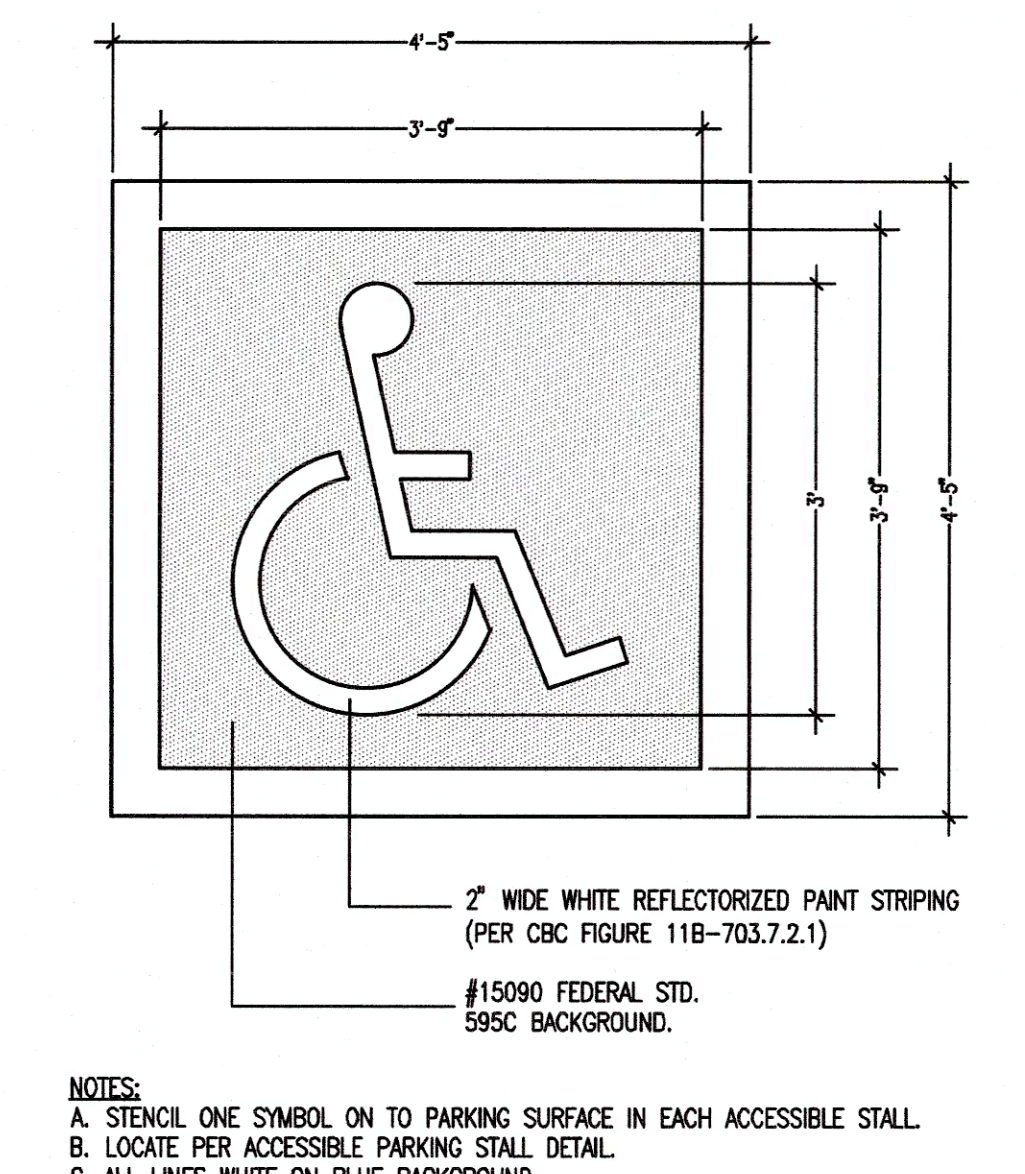
CHAIN LINK CONNECTIONS NTS 18



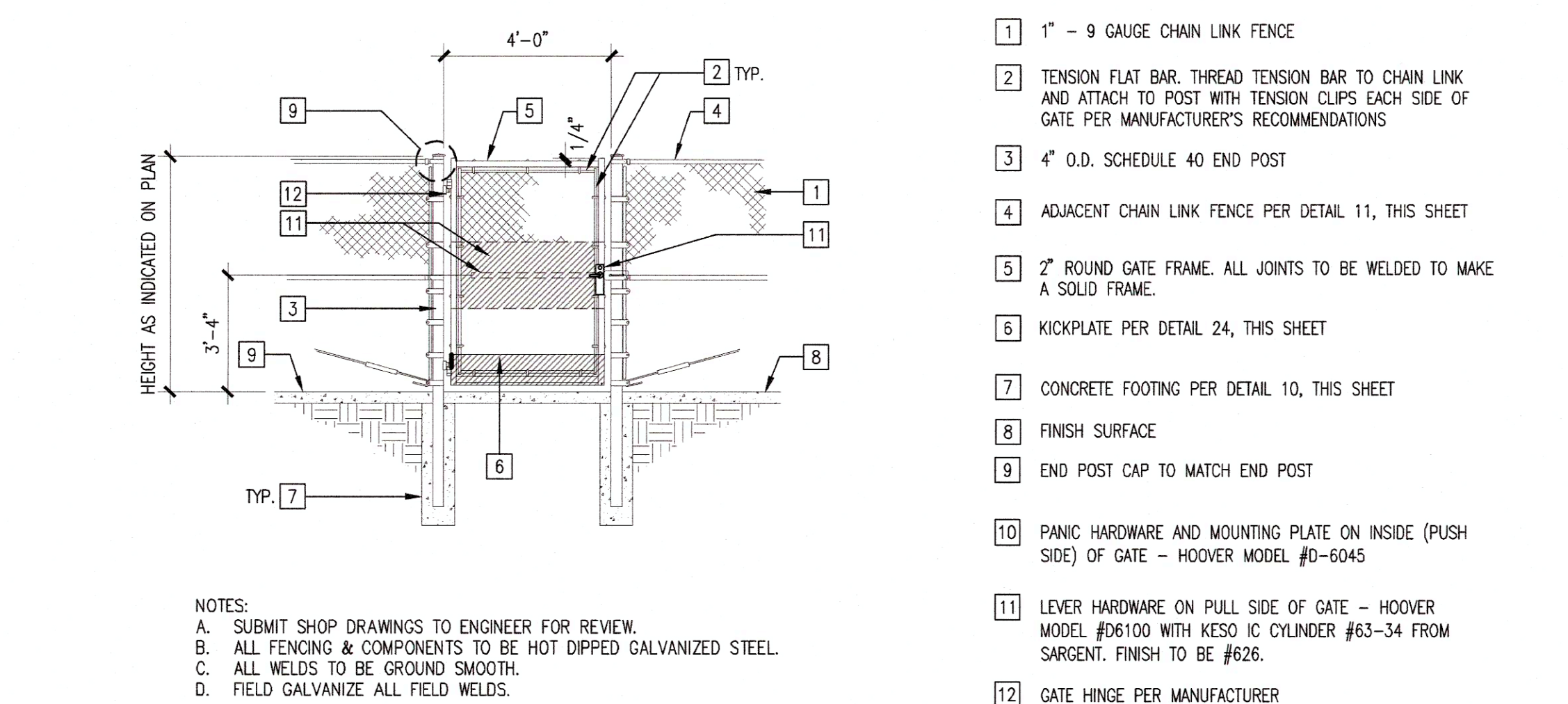
POST FOOTING & CAISSON NTS 10



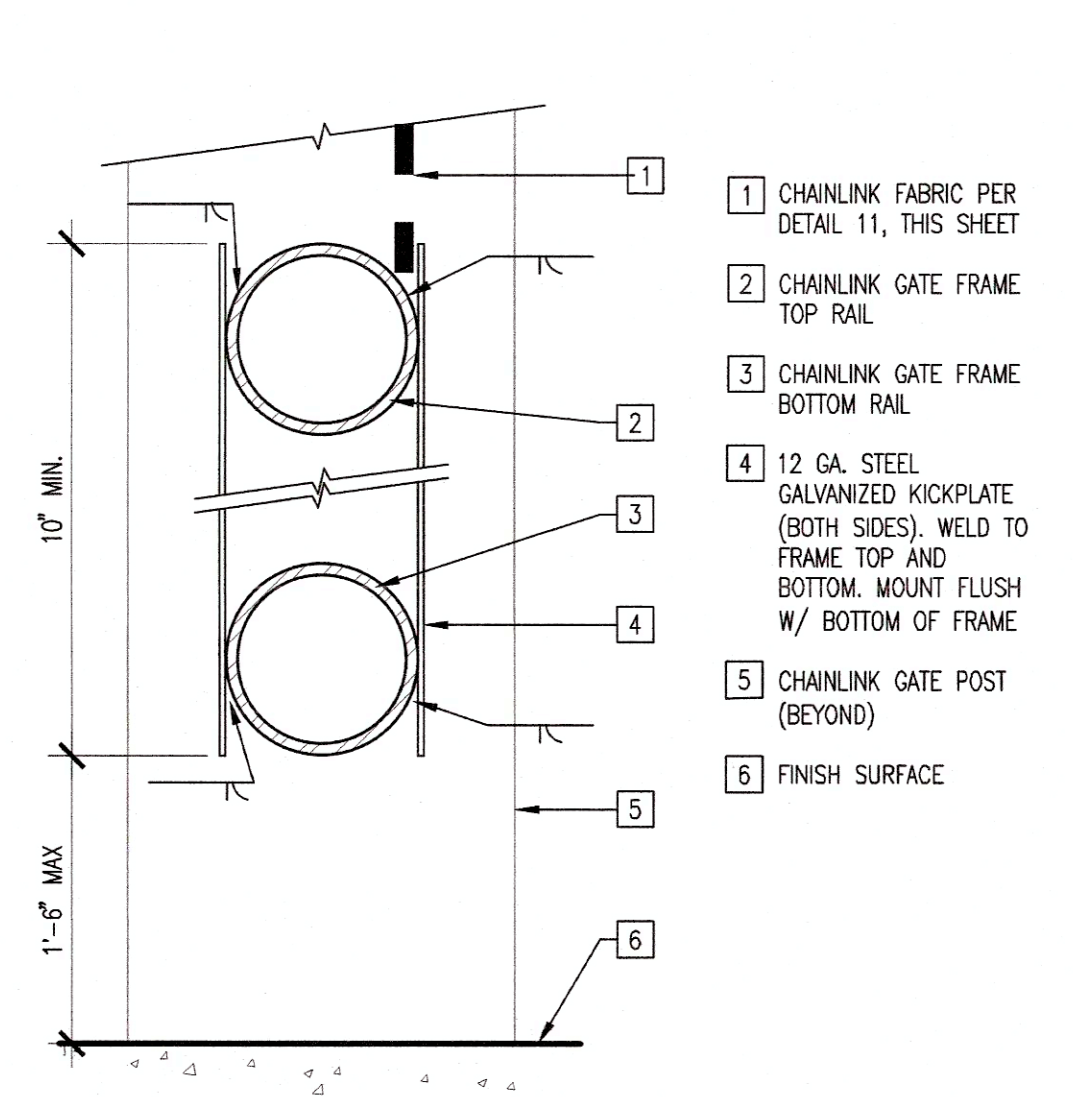
ACCESSIBLE PARKING SIGN NTS 06



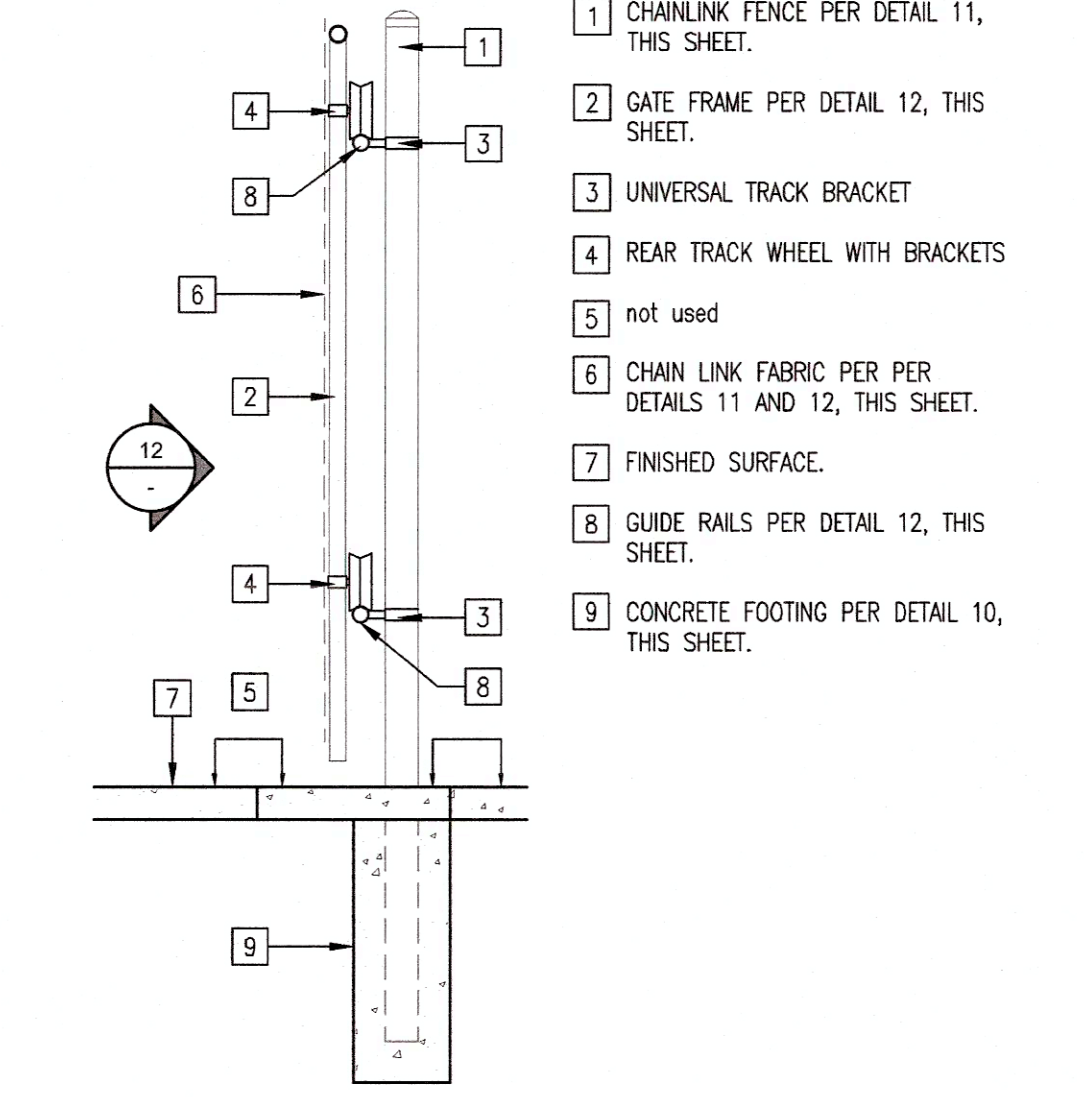
ACCESSIBLE PARKING SYMBOL NTS 02



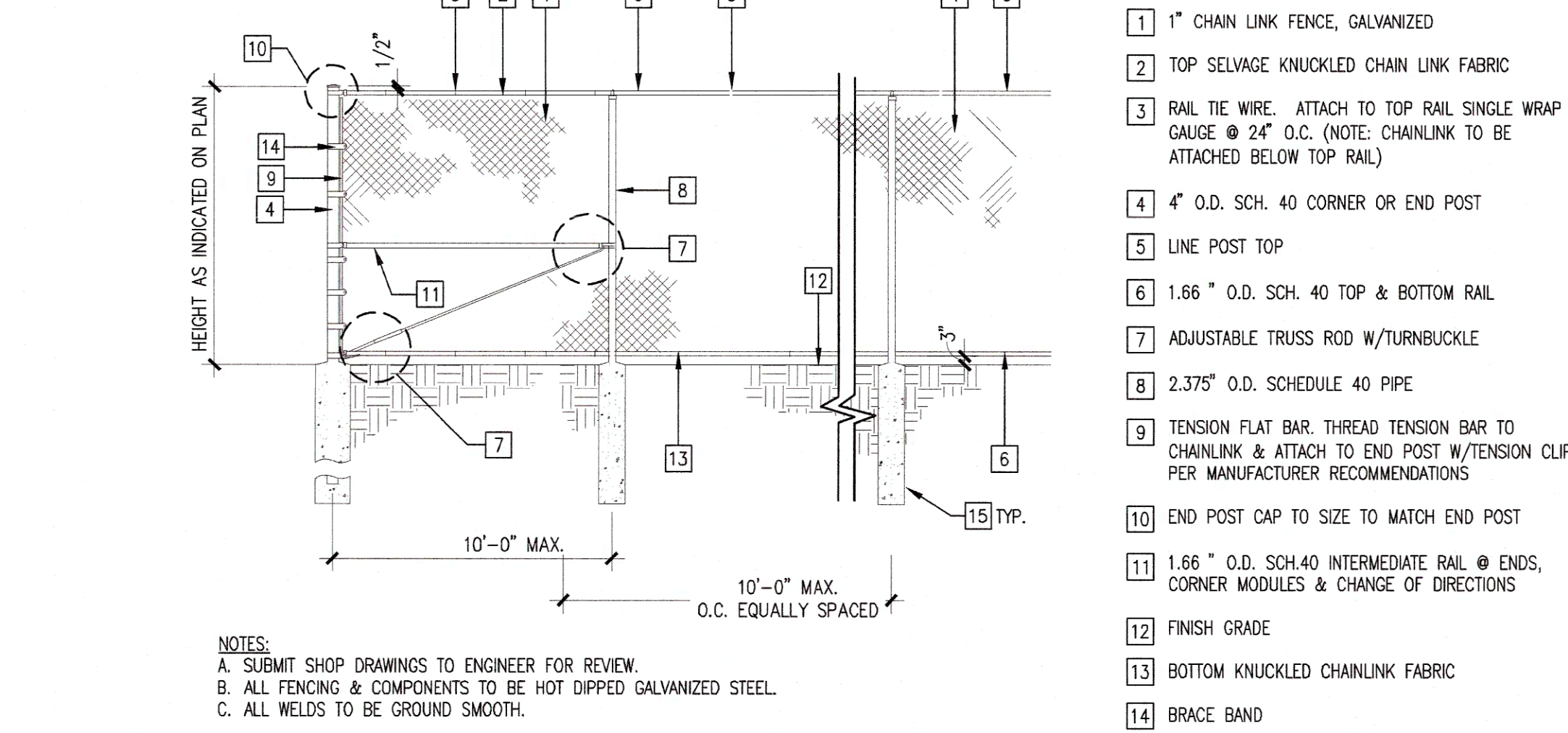
CHAIN LINK SINGLE PEDESTRIAN GATE W/ PANIC HARDWARE 19



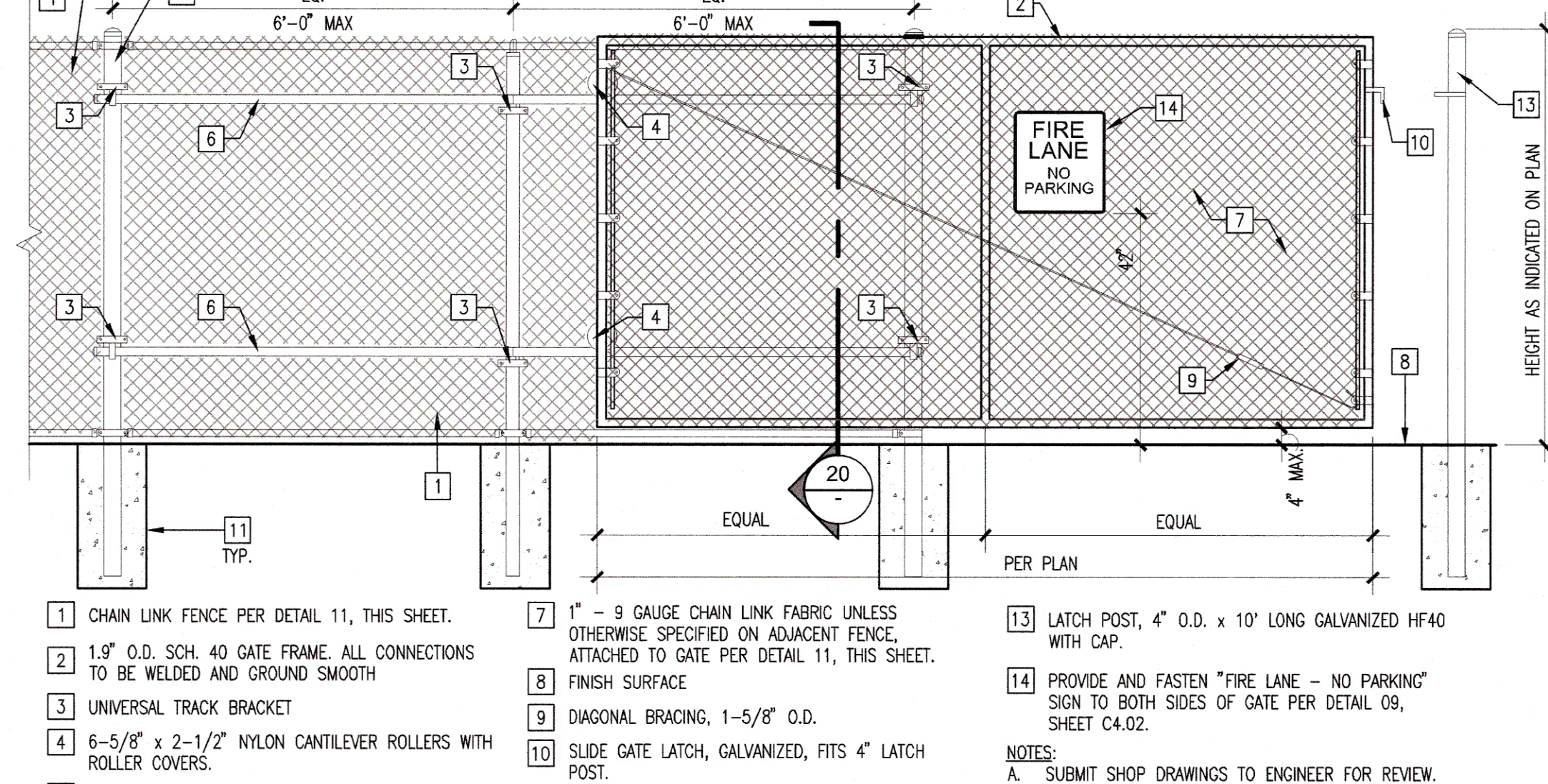
CHAIN LINK GATE KICKPLATE 24



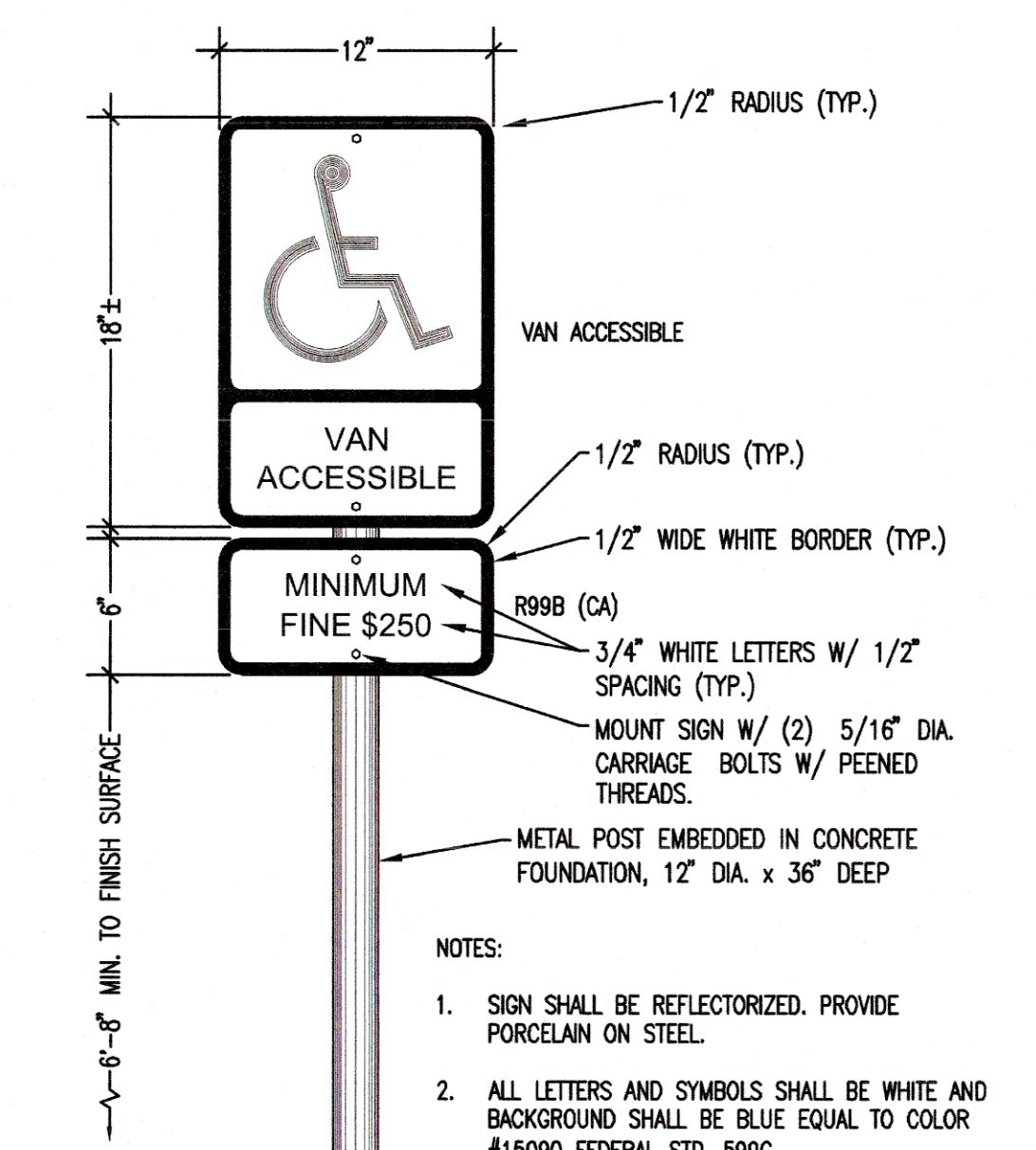
SLIDING GATE SECTION NTS 20



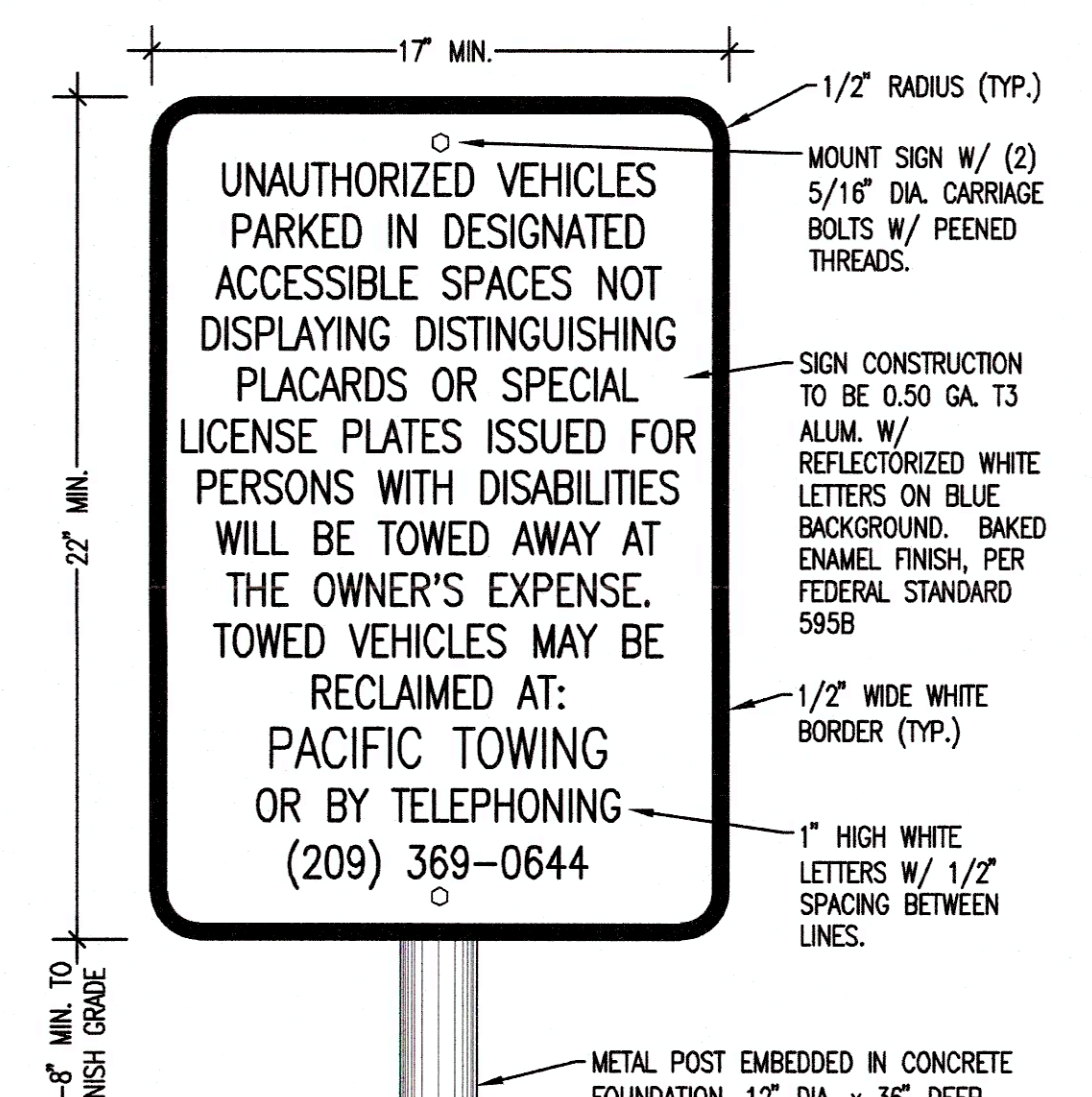
CHAINLINK FENCE NTS 11



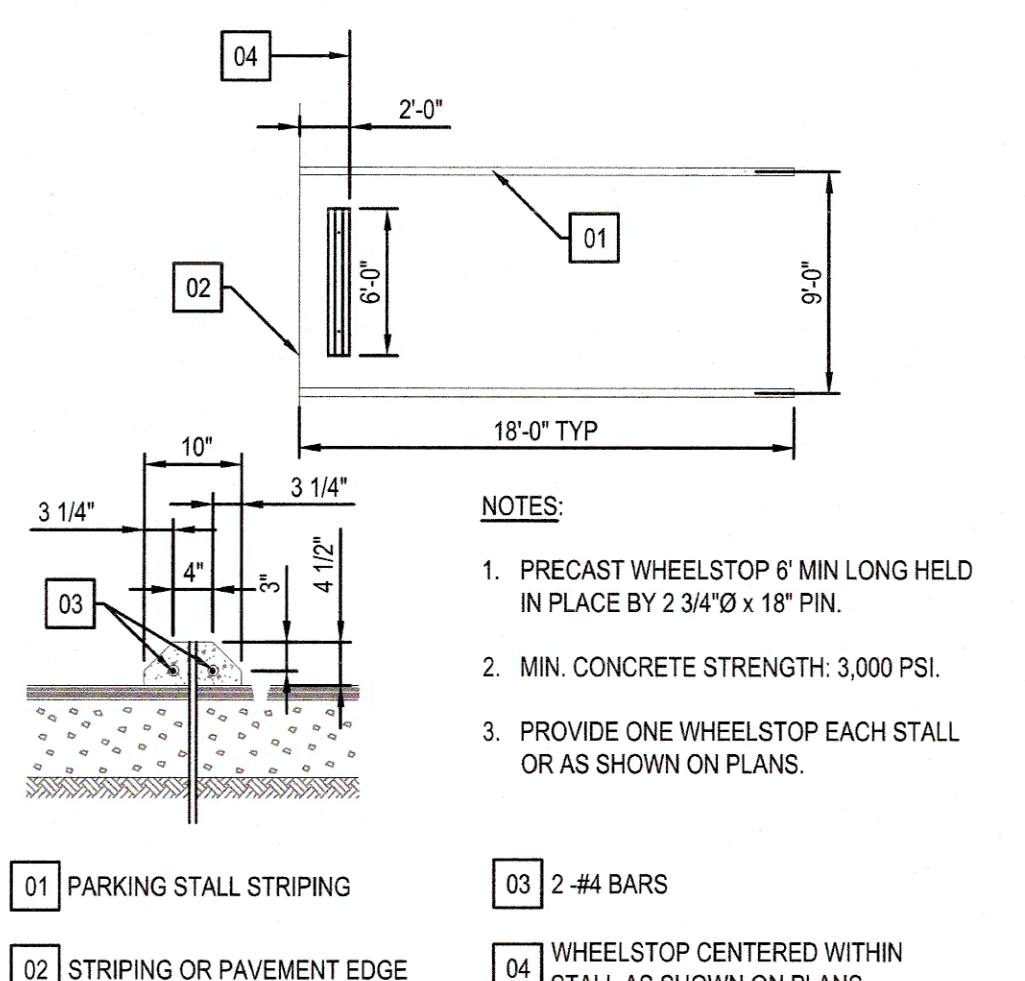
CHAIN LINK CANTILEVER SLIDING GATE NTS 12



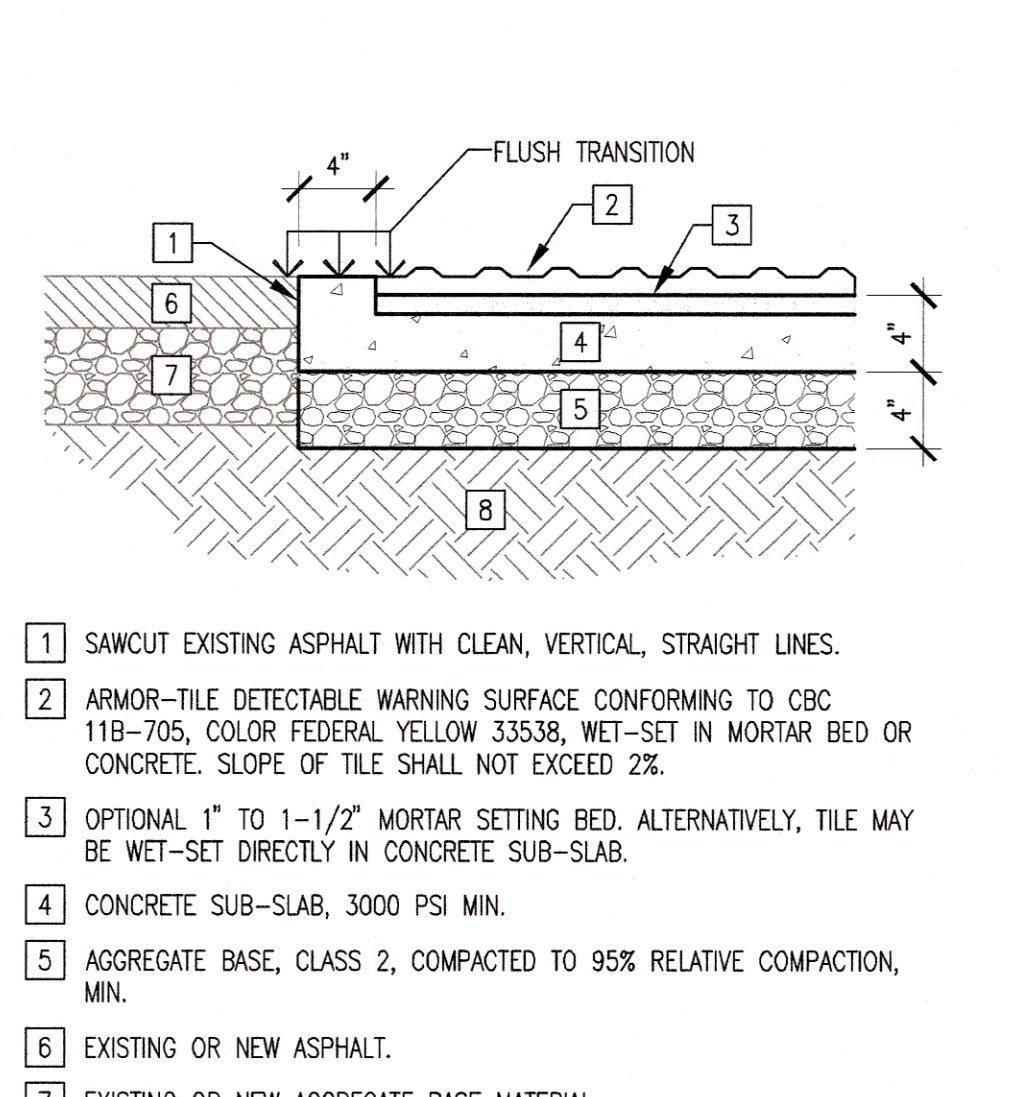
VAN ACCESSIBLE PARKING SIGN NTS 07



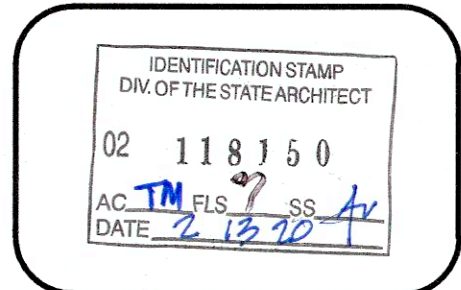
UNAUTHORIZED VEHICLE SIGN NTS 08



PRECAST CONCRETE WHEEL STOP NTS 03



DETECTABLE WARNING SURFACE NTS 04

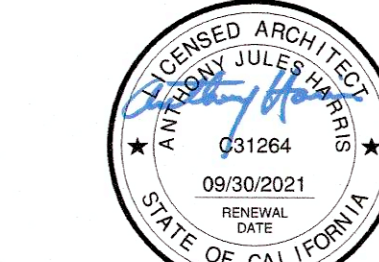


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VALLEY ROBOTICS  
EXTENSION ROAD  
13451 N. EXTENSION RD  
LODI, CA 95242  
Developed for  
LODI UNIFIED SCHOOL DISTRICT

Date	
Revision	
Submittal	
DSA SUBMITTAL	

Date	01.15.2020
Submittal	DSA SUBMITTAL
Job Number	19160.11
Date Published	01.15.2020
Checked By	AH
Scale	

DETAILS

C4.01







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## SINGLE LINE GENERAL NOTE

1. ALL ELECTRICAL EQUIPMENT SHALL BE PROVIDED WITH SPECIFIED AND APPROPRIATE UL LISTED BASES ON THE ENVIRONMENT IN WHICH THE EQUIPMENT IS TO BE MOUNTED.
2. ALL TERMINATIONS AND ENCLOSURES SHALL BE RATED FOR USE WITH 75 DEGREES CELSIUS CONDUCTORS
3. GROUND ALL ELECTRICAL EQUIPMENT, BRANCH CIRCUITS, FEEDERS, PANELS, AND DISTRIBUTION BOARDS, ELECTRICAL SERVICES, ETC. PER ADOPTED CEEC ARTICLE 250.
4. PROVIDE NAMEPLATE FOR MOTOR-STARTED SWITCH AS FOLLOWS:  
LINE 1 = 3"Ø LETTERS, LINES 2, 3, 4 & 1"Ø LETTERS  
ALL NAMEPLATES SHALL BE FASTENED WITH A MINIMUM OF TWO (2) MACHINE SCREWS. NO SELF-ADHESIVE NAMEPLATES ARE ALLOWED.
5. ELECTRICAL DESIGN COMPUTES VOLTAGE DROP BASED ON FEEDER LENGTHS REFERENCE OF TWO (2) LINEAL FEET PER INCH OF WIRE. ENGINEER OF RECORD IN EVENT FIELD CONDITIONS CAUSE SUBSTANTIAL INCREASE IN OVERALL FEEDER LENGTH.
6. ALL MOTOR RELATED CIRCUITS ARE TO BE PROVIDED WITH PROTECTIVE RELAYS FOR PHASE FAILURE AND UNDER-VOLTAGE.
7. ALL FEEDER DISTANCES REFERENCE ON DRAWINGS ARE FOR DESIGN PURPOSES ONLY. LENGTHS AS INDICATED ARE NOT TO BE UTILIZED IN MATERIAL TAKE-OFFS
8. ALL EQUIPMENT SHOWN IN SINGLE LINE DIAGRAM IS EXISTING, UNLESS SHOWN FOR REFERENCE ONLY.

## SINGLE LINE KEYNOTE

(E-1601) RUN 3#10 + 1#10GND IN 1-1/2" CONDUIT

### SITE PLAN GENERAL NOTE

THESE NOTES ESTABLISH MINIMUM QUALITY LEVELS AND COORDINATION REQUIREMENTS. RESPECTIVE UTILITY COMPANY PLANS AND REQUIREMENTS TAKE PRECEDENCE OVER THESE NOTES WITH REGARD TO RESPECTIVE UTILITY COMPANY CONDUIT AND UNDERGROUND STRUCTURE SYSTEMS.

1. CALL UNDERGROUND SERVICE ALERT (USA) AT 1 (800) 424-2143 OR APPLICABLE STATE AND LOCAL DIG SAFE OR UNDERGROUND ALERT HOTLINES PRIOR TO CONSTRUCTION START.
2. COORDINATE ALL UNDERGROUND STRUCTURES AND CONDUIT ROUTING WITH CIVIL ENGINEER PRIOR TO ROUGH-IN TO ENSURE THAT SUCH ITEMS ARE NOT PLACED IN CRITICAL AREAS.
3. VAULTS, MAINTENANCE HOLES (MHs) AND CONDUITS SHALL MAINTAIN A MINIMUM OF 4' OF BELOW-FLOOR FINISH SURFACE AT ALL CONDITIONS, INCLUDING ALL COSTS IN BASE BID TO MEET UTILITY COMPANY REQUIREMENTS WHICH REQUIRE GREATER MINIMUM CONDUIT DEPTHS.
4. VAULTS, MHs AND PULLBOXES (PBs) SHALL BE EQUIPPED WITH KNOCKOUT PANELS OR PRE-CAST INDIVIDUAL CONDUIT OPENINGS. CONDUITS SHALL ON ENTER AND EXIT ON END/SIDE WALLS. CONDUITS MAY NOT ENTER AND EXIT ON SIDING/SLAB WALLS, CEILINGS OR FLOORS UNLESS OTHERWISE NOTED.
5. CUT DUCTS FLUSH WITH INTERIOR VAULT/MHPB WALL.
6. GROUT AROUND DUCT ENTRANCES ON VAULT/MHPB WALLS.
7. SLURRY BACKFILL AROUND DUCTS WITHIN 5 FEET OF VAULT/MHPB TO PREVENT SHEARING.
8. VAULTS/MHs/PBs ARE TO BE EQUIPPED WITH RACKING, GROUNDING WELDS, A BOLT-DOWN LIDS UNLESS OTHERWISE NOTED.
9. COORDINATE FINAL VAULT/MHPB OPENING HEIGHT WITH G.C. PRIOR TO ROUGH-IN TO ENSURE FINAL GRADE DOES NOT SLOPE INTO VAULT/MHPB OPENING.
10. ALL VAULTS/MHs/PBs WITHOUT GROUNDING GLASS SHALL HAVE AN 8" x 3/4" COPPER GROUND ROD DRIVEN THRU THE FLOOR TO ALLOW GROUNDING OF ITEMS WITHIN.
11. ALL VAULTS/MHs/PBs SHALL BE PROVIDED WITH TRAFFIC RATED COVERS WHEN LOCATED IN PAVED AREAS UTILIZED FOR VEHICLE TRAFFIC.
12. ELECTRICAL (POWER) AND TECHNOLOGY UNDERGROUND CONDUITS TO BE INSTALLED AS A JOINT SHALL MAINTAIN A MINIMUM 12" SEPARATION BETWEEN POWER AND LOW VOLTAGE CONDUITS.

## SITE PLAN KEYNOTE

**C-1501** CONNECTION TO GATE MOTOR. MOTOR TO BE LINEAR, MODEL HSLG-1, 39V, 3PHASE, 1/2 HP. MANUFACTURER TO PROVIDE LUMINAIRE FOR SECURITY LIGHTING INCORPORATED WITH MOTOR UNIT. GATE OPERATOR TO BE LISTED IN APPLICATION WITH UL 325 AND ASTM F220 PER SPEC 323136, SECTION 2.01.B.

**C-1502** PROVIDE A WEATHERPROOF MOTOR-RATED SWITCH. MOUNT NEXT TO MOTOR.

**C-1503** ROUTE TWO SPARE 1/12" CONDUITS FOR FUTURE LIGHTING, WITH PULLSTRINGS, BACK TO PULLBOX.

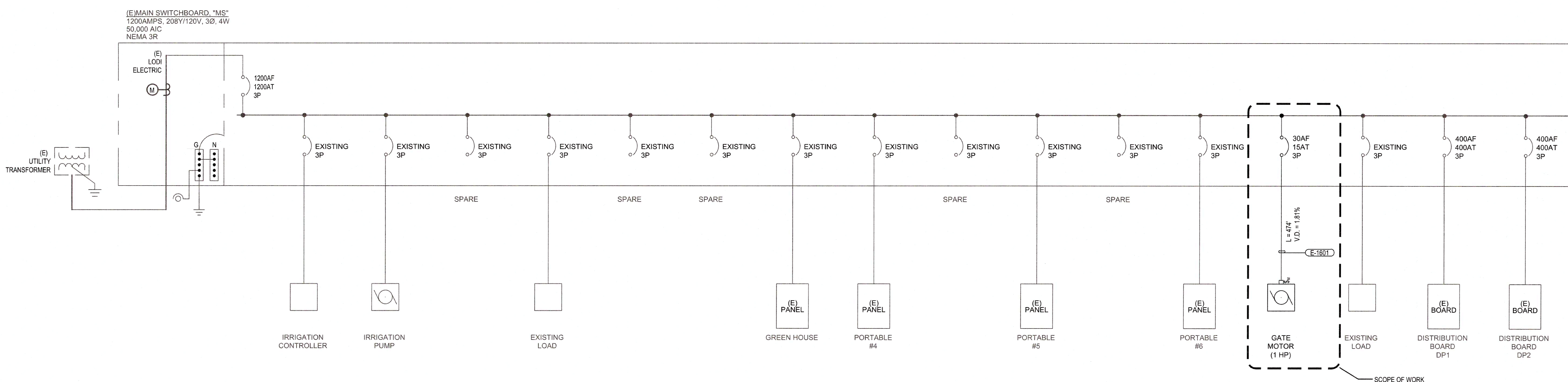
**C-1504** ROUTE SPARE 1-1/2" COMMUNICATIONS CONDUIT, WITH PULLSTRINGS, IN PARALLEL WITH POWER CONDUITS BACK TO IN PULLBOX, AS SHOWN. CONDUIT TO TERMINATE IN A FLOOR BY THE MOTOR GATE AND BE CAPPED.

[illegible][illegible]

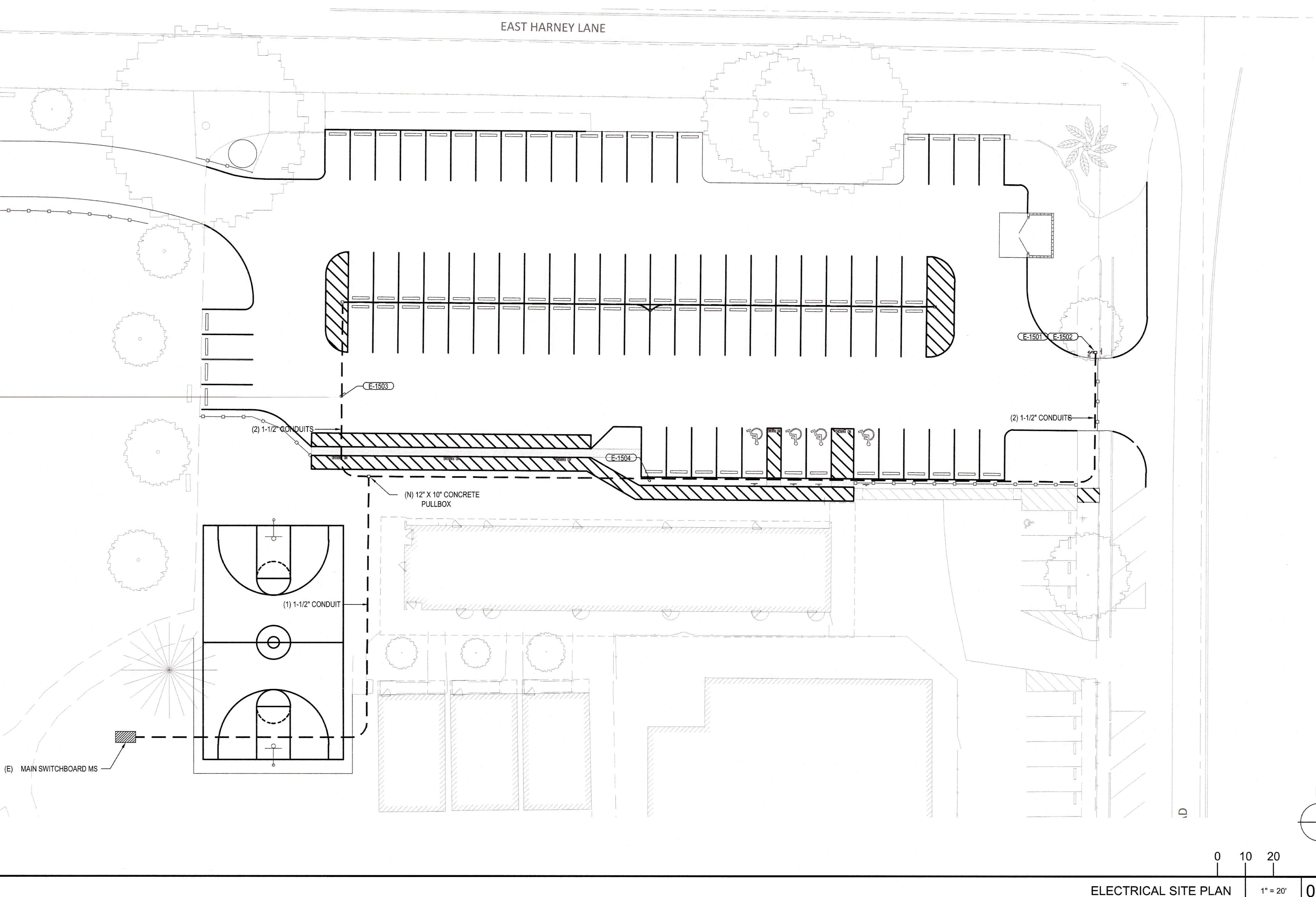
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Scale	AS SHOWN

## ELECTRICAL PLAN

## E1.0



SINGLE LINE DIAGRAM	C
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ELECTRICAL SITE PLAN	1" = 20'
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