Chollas Crane Replacement

CONTRACTOR'S RESPONSIBILITIES

- PURSUANT TO SECTION 4216 OF THE CALIFORNIA GOVERNMENT CODE. AT LEAST 2 WORKING DAYS PRIOR TO EXCAVATION, YOU MUST CONTACT THE REGIONAL NOTIFICATION CENTER (E.G., UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA) AND OBTAIN AN INQUIRY IDENTIFICATION NUMBER.
- NOTIFY SDG&E AT LEAST 10 WORKING DAYS PRIOR TO EXCAVATING WITHIN 10' OF SDG&E UNDERGROUND HIGH VOLTAGE TRANSMISSION POWER LINES. (I.E., 69 KV & HIGHER)

CONSTRUCTION STORM WATER PROTECTION NOTES

1. TOTAL SITE DISTURBANCE AREA (ACRES) - 0

HYDROLOGIC UNIT/ WATERSHED - PUEBLO SAN DIEGO HU/SAN DIEGO BAY WATERSHED HYDROLOGIC SUBAREA NAME & NO. - CHOLLAS-908.22

2. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE

THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100 □ SWPPP

THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100 AND CONSTRUCTION GENERAL PERMIT ORDER 2009-0009-DWQ AS AMENDED BY ORDER 2010-0014-DWQ AND 2012-0006-DWQ TRADITIONAL: RISK LEVEL 1 1 2 3 LUP: RISK TYPE 1 1 2 3

MINOR WPCP

DOUBLE

DEMO.

DIM.

DEMOLITION

DIAMETER

DIAGONAL

DIMENSION

DISP. DISPENSER

CHANGE | DATE

DOUGLAS FIR

DRINKING FOUNTAIN

DISTRICT FURNISHED,

CONTRACTOR INSTALLED H.M.

DECOMPOSED GRANITE HR.

3. CONSTRUCTION SITE PRIORITY

□ ASBS □ HIGH □ MEDIUM ☒ LOW

MONUMENTATION/SURVEY NOTES

THIS MAP WAS CREATED FROM A PARCEL LAYER AND DOES NOT DEPICT THE ACTUAL LOCATION OF THE PROPERTY LINES. NO BOUNDARY ANALYSIS WAS PERFORMED. THE SURVEY MONUMENTS HAVE BEEN LOCATED BY SURVEY GRADE MEASUREMENTS, AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. THE CITY OF SAN DIEGO LAND SURVEYORS SHALL REPLACE SUCH MONUMENTS WITH APPROPRIATE MONUMENTS. WHEN SETTING SURVEY MONUMENTS USED FOR RE-ESTABLISHMENT OF THE DISTURBED CONTROLLING SURVEY MONUMENTS AS REQUIRED BY SECTIONS 6730.2 AND 8771 OF THE BUSINESS AND PROFESSIONS CODE OF THE STATE OF CALIFORNIA, A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED WITH THE COUNTY SURVEYOR. IF ANY HORIZONTAL OR VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED, THE CITY OF SAN DIEGO FIELD SURVEY SECTION SHALL BE NOTIFIED IN WRITING AT LEAST 7 DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPLACING ANY HORIZONTAL CONTROL AND VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION IF THE CITY OF SAN DIEGO SURVEY SECTION IS NOT NOTIFIED PRIOR TO CONSTRUCTION. THE FILING OF A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE SHALL BE FILED WITH COUNTY SURVEYOR.A COPY OF THE FILED DOCUMENT SHALL BE FURNISHED TO THE CITY OF SAN DIEGO SURVEY SECTION.

			\				
			<u>ABBREVIATI</u>	<u> </u>			
Ø	DIAMETER	DN.	DOWN	JT.	JOINT	ROOFG	ROOFING
&	AND	DR.	DOOR	JST.	JOIST		
Q.	CENTERLINE	D.S.	DOWN SPOUT			S.C.	SOLID CORE
#	POUND OR NUMBER	DWG	DRAWING	LAM.	LAMINATE	SCHED.	SCHEDULE
"		BWG		LAV.	LAVATORY	SDRSD	SAN DIEGO REGIONAL
A.B.	ANCHOR BOLT	Е	EXISTING	LT.	LIGHT		STANDARD DRAWINGS
ABV.	ABOVE	EA	EACH	L.P.	LOW POINT	SEC.	SECTION
ACOUST.	ACOUSTICAL	EJ	EXPANSION JOINT			SHTG	SHEATHING
A.C.	ASHPALT CONCRETE	ELECT.	ELECTRICAL	MFR.	MANUFACTURER	SHT.	SHEET
ADJ.	ADJUSTABLE	ELEV.	ELEVATION	MATRL	MATERIAL	SIM.	SIMILAR
A.F.F.	ABOVE FINISH FLOOR	ENCL.	ENCLOSURE	MAX.	MAXIMUM	SJ	SAWCUT JOINT
A.F.G.	ABOVE FINISH GRADE	EQ.	EQUAL	M.B.	MACHINE BOLT	S.M.S	SHEET METAL SCREWS
ALUM.	ALUMINUM	EQUIP.	EQUIPMENT	MECH.	MECHANICAL	SQ.	SQUARE
A.G.	ANTI-GRAFFITI	EXIST.	EXISTING	MIN.	MINIMUM	S.S.	STAINLESS STEEL
ARCH.	ARCHITECTURAL	EXP.	EXPANSION	MIN	MINUTE	STD.	STANDARD
		EXT.	EXTERIOR	MISC.	MISCELLANEOUS	STL.	STEEL
BD.	BOARD			M.O.	MASONRY OPENING	STOR.	STORAGE
BLDG.	BUILDING	F.B.	FIRE BLANKET	M.R.	MOISTURE RESISTANT		STRUCTURAL
BLKG.	BLOCKING	F.D.	FLOOR DRAIN	MTL.	METAL	SUSP.	SUSPENDED
BM.	BEAM	FDN.	FOUNDATION		NEW		TOU ET 400E000DV
BMP	BEST MANAGEMENT	F.E.	FIRE EXTINGUISHER	N	NOT IN CONTRACT	T.A.	TOILET ACCESSORY
	PRACTICES	F.E.C.	FIRE EXTINGUISHER	N.I.C.	NUMBER	TB	TOP OF BOX
B.O.B.	BOTTOM OF BEAM		CABINET	NO. OR # N.T.S.	NOT TO SCALE	T&B	TOP & BOTTOM
BOT.	BOTTOM	F.F.	FINISH FLOOR	N. I . S.	NOT TO SCALE	TEL.	TELEPHONE TEMPERED
BTWN.	BETWEEN	F.F.E.	FINISH FLOOR ELEVATION	0	OVER	TEMP.	TOP OF GATE
	CADINET	FIN.	FINISH	O.C.	ON CENTER	TG	TOOLED JOINT
CAB.	CABINET	FLASHG		O.C. O.F.C.I.	OWNER FURNINSHED,	TJ	TOP OF
C.B.	CATCH BASIN CONTRACTOR FURNISHED	FLR.	FLOOR	O.F.C.I.	CONTRACTOR INSTALLED	T.O.	TOP OF BEAM
C.F.O.I.	OWNER INSTALLED		FACE OF CONCRETE	O.F.O.I.	OWNER FURNISHED,	T.O.B. T.O.M.	TOP OF MASONRY
	CAST IN PLACE	F.O.F.	FACE OF MASONEY	0.1 .0.1.	OWNER INSTALLED	T.O.M. T.O.P.	TOP OF PARAPET
C.I.P.	COLD JOINT	F.O.M.	FACE OF MASONRY FACE OF STUD	O.H.	OPPOSITE HAND	T.O.F.	TUBE STEEL
CJ	COLD JOINT	F.O.S.	FRAMING	OPNG	OPENING	T.W.	TOP OF WALL
C.J.	CHAIN LINK	FRAMG FRP	FIBERGLASS REINFORCED	OPP.	OPPOSITE	TYP.	TYPICAL
C.L.	CEILING	FRP	PANELS	0			11110/12
CLG.	CLEAR	FT.	FOOT OR FEET	РВ	PULL BOX	U.N.O.	UNLESS NOTED OTHERWISE
CLR. CMU	CONCRETE MASONRY	FTG.	FOOTING	PERF.	PERFORATED	U.O.N.	UNLESS OTHERWISE NOTED
C.O.	CLEAN OUT	F.V.	FIELD VERIFY	P.H.	PANIC HARDWARE	0.0.14.	0.12200 0.1.2.11.02.10.22
COL.	COLUMN	1 . V .	TIELD VEINIT	PL.	PLATE OR PLASTIC	V.A.T.	VINYL ASPHALT TILE
COL.	COMPOSITION	GA.	GAUGE	PLAST.	PLASTER	V.C.T.	VINYL COMPOSITION TILE
CONC.	CONCRETE	GALV.	GALVANIZED	PLYWD.	PLYWOOD	VERT.	VERTICAL
CONN.	CONNECTION	G.I.	GALVANIZED IRON	PR.	PAIR	V.G.D.F.	VERTICAL GRAIN
CONSTR	CONSTRUCTION	GL.	GLASS	PROJ.	PROJECTION		DOUGLAS FIR
CONT.	CONTINUOUS	GLB.	GLU-LAM BEAM	P.T.D.F.	PRESSURE TREATED		
CORR.	CORRIDOOR	GOVNT	GOVERNMENT		DOUGLAS FIR	W	WITH
C.O.T.	CENTER OF TRUSS		GYPSUM BOARD			W.C.	WATERCLOSET
C.T.	CERAMIC TILE			R OR RAD		WD.	WOOD
			LIOLD DOMAIL	PC	RELATIVE COMPACTION	\A/ I	WEAKENED IOINT

HOLD DOWN

HORIZONTAL

HIGH POINT

INSULATION

CONSTRUCTION CHANGE / ADDENDUM

AFFECTED OR ADDED SHEET NUMBERS

INTERIOR

HOLLOW METAL

HARDWARE

HEADER

HEIGHT

HDWR

HDR.

HORIZ.

RELATIVE COMPACTION

RECOMMENDATIONS

ROOF DRAIN

REFLECTED

REINFORCED OR

REQUIRED OR

RETAINING

REINFORCEMENT

REQUIREMENTS

REFRIG. REFRIGERATOR

RECS.

WEAKENED JOINT

WATERPROOF BARRIER

WARNING

F THIS BAR DOES

NOT MEASURE '

THEN DRAWING IS

NOT TO SCALE.

WATERPROOF

W.P.M. WATERPROOF MEMBRANE

WFIGHT

APPROVAL NO.

W.W.F. WELDED WIRE FABRIC

WATER RESISTANT

SHEET INDEX

STORM WATER NOTES

NEW FLOOR PLAN

GENERAL NOTES

GENERAL NOTES

CRANE SECTION

FOUNDATION PLAN

NEW CRANE SUPPORT DETAILS

ELECTRICAL LEGEND & GENERAL NOTES

ENLARGED FLOOR PLAN - ELEC. ROOM

ELECTRICAL DEMOLITION FLOOR PLAN

EXISTING BUILDING DETAILS

ELECTRICAL FLOOR PLAN

PANEL SCHEDULE

SINGLE LINE DIAGRAM

DEMOLITION FLOOR PLAN

SITE PLAN

ELEVATIONS

ROOF PLAN

SECTIONS

DETAILS

<u>NO.</u>

10

11

12

13

14

15

16

17

22

18 E-2

19 E-3

20 E-4

21 E-5

G-3

AS-1

A-1

A-2

A-3

A-4

A-5

S-2

S-3

S-4

S - 5

E-1

E-6

LEGAL DESCRIPTION: SEC 34-16-2W SEQ 73.90 AC M/L IN/ <u>TITLE</u> <u>CODE</u> SITE ADDRESS TITLE SHEET G-1GENERAL NOTES G-22740 CAMINITO CHOLLAS,

ASSESSOR'S NUMBER

477-490-07

PROJECT DATA

SAN DIEGO, CA 92105

EXISTING USE: FLEET SERVICES FACILITY PROPOSED USE: NO CHANGE OCCUPANCY: F-1 CONSTRUCTION TYPE: TYPE III-B, NON-SPRINKLERED STORIES: 2

YEAR OF CONSTRUCTION: 1962 REFERENCE DRAWINGS: 11013-D

OWNER

CITY OF SAN DIEGO 525 B STREET, SUITE 750 SAN DIEGO, CA 92101 PROJECT MANAGER: FRANCIS MARQUEZ FLEET MANAGER: SCOTT HARRIS T. 619.379.4065

WORK TO BE DONE

PROJECT CONSISTS OF REPLACING (2) TWO 2-TON SINGLE GIRDER BRIDGE CRANES. WORK WILL INVOLVE STRUCTURAL AND ELECTRICAL IMPROVEMENTS TO ACCOMMODATE (2) TWO NEW 2-TON SINGLE GIRDER BRIDGE CRANES. CRANE UNITS WILL BE DEFERRED SUBMITTAL.

REFERENCE 2018 CITY STANDARD DRAWINGS/2018 GREEN BOOK & WHITE BOOK

APPLICABLE STANDARDS

CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING PARTS OF THE TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS (CCR): 2019 BUILDING STANDARDS ADMINISTRATIVE CODE PART 1, TITLE 24 C.C.R. 2019 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.;

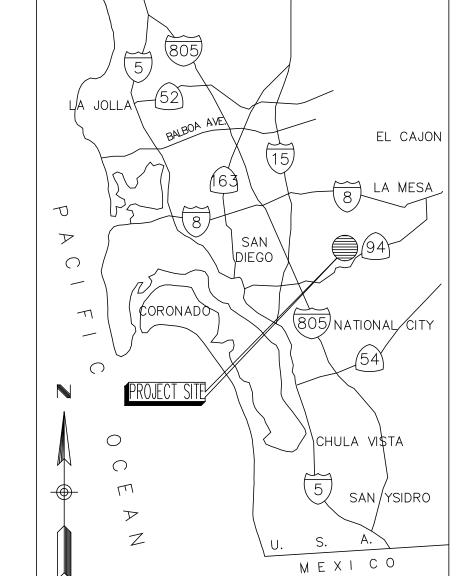
2019 CALIFORNIA ELECTRICAL CODE (CEC) PART 3, TITLE 24 C.C.R.; 2019 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R. 2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.; 2019 CALIFORNIA ENERGY CODE (CPC), PART 6, TITLE 24 C.C.R.;

2019 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 C.C.R.; 2019 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 C.C.R. 2019 TITLE 19, C.C.R, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS 2006 NFPA 253 CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS 2008 NFPA 2001 CLEAN AGENT FIRE EXTINGUISHING SYSTEMS

REFERENCE CODE SECTION FOR NFPA STANDARDS - CBC (SFM) 3504.1

AMERICAN WITH DISABILITIES ACT (ADA), TITLE II, ADA STANDARDS FOR ACCESSIBLE DESIGN

LEGEND



<u>VICIN</u>ITY MAP

PROJECT TEAM

T. (619) 233-1023

ARCHITECT ROESLING NAKAMURA ARCHITECTS, INC. ATTN: KOTARO NAKAMURA 363 FIFTH AVENUE, SUITE 202 SAN DIEGO, CA. 92101

CIVIL ENGINEER BDS ENGINEERING, INC. ATTN: TOM JONES, P.E. 5575 LAKE PARK WAY LA MESA, CA. 91942

T. (619) 582-4992

T. (619) 280-9307

STRUCTURAL ENGINEER MARTIN & LIBBY STRUCTURAL ENGINEERS ATTN: JEAN LIBBY, SE. 4452 GLACIER AVE. SAN DIEGO, CA. 92120

MECHANICAL MA ENGINEERS ATTN: VINCENT VEGAS, P.E.

SUITE 200

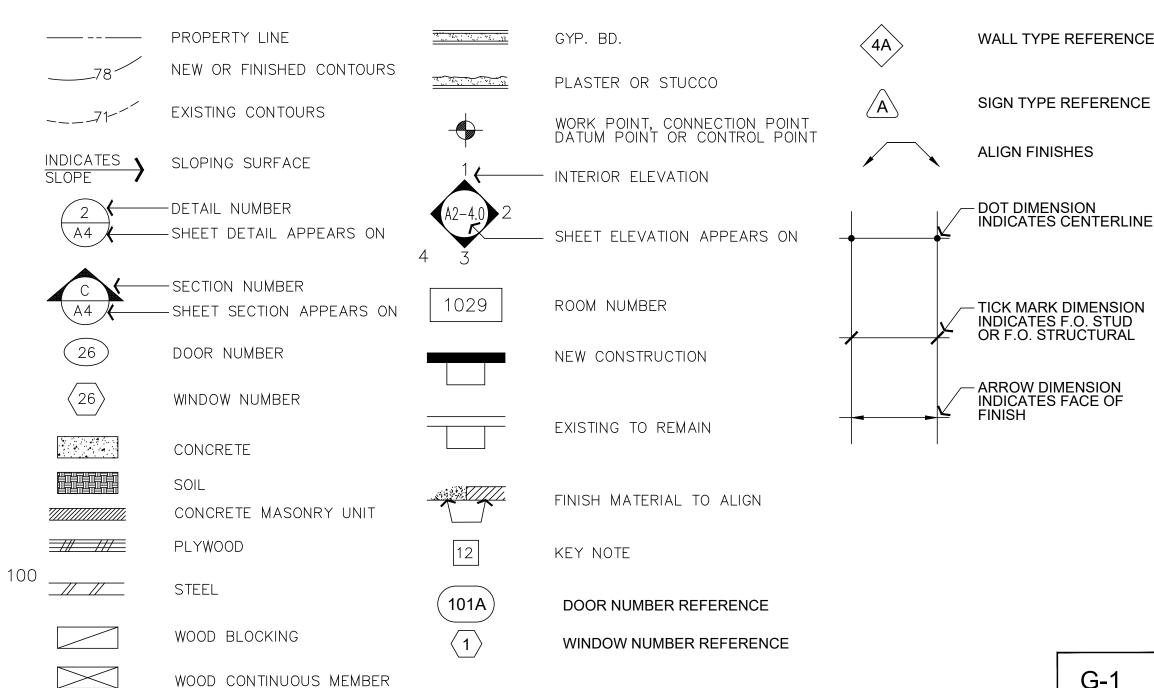
SAN DIEGO, CA. 92121 T. (858) 200-0030 PLUMBING ENGINEER MA ENGINEERS

5160 CARROLL CANYON RD.,

SAN DIEGO, CA. 92121 T. (858) 200-0030

ATTN: DAVID NOJI, LEED AP 5160 CARROLL CANYON RD., SUITE 200

ELECTRICAL ENGINEER BSE ENGINEERING, INC. ATTN: MICHAEL O'BRIEN, P.E. 10680 TREENA STREET, SUITE 100 SAN DIEGO, CA. 92131 T. (858) 800-6000

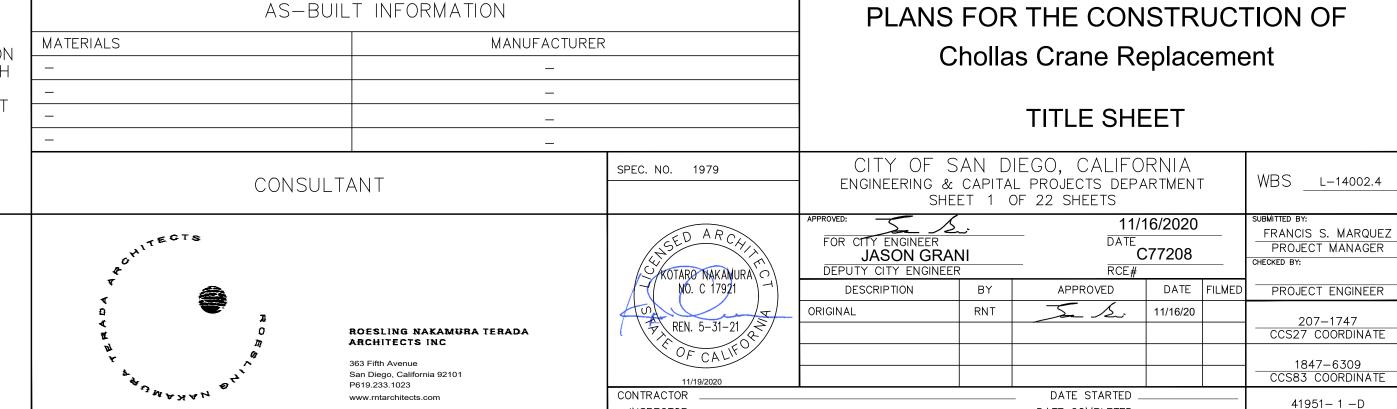


DECLARATION OF RESPONSIBLE CHARGE

* I HEREBY DECLARE THAT I AM THE ARCHITECT OF RECORD FOR THIS PROJECT THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS. I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SAN DIEGO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, THE ARCHITECT OF RECORD, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

DATE KOTARO NAKAMURA

The City of SAN DIEGO	Engineering & Capital Projects
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2. 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.

3. THE CONTRACTOR IS ALSO RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS.

4. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, GRADES, ELEVATIONS, SITE CONSTRAINTS, STAGING AREAS AND DIMENSIONS BEFORE STARTING WORK. THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES OR INCONSISTENCIES.

5. CONTRACTOR SHALL DOCUMENT EXISTING SITE CONDITIONS BY VIDEO AND PICTURES BEFORE DISTURBANCE AND SUBMIT RECORDS TO RESIDENT ENGINEER.

6. 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, SERVICE LINES TO REMAIN WHICH ARE ENCOUNTERED DURING CONSTRUCTION.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ENFORCEMENT OF FEDERAL AND STATE OF CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REQUIREMENTS AND REGULATIONS.

8. DO NOT SCALE ANY DRAWINGS IN THIS SET.

9. 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.

10. SURVEY - CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION SURVEYING.

11. 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.

12. THE ARCHITECT IS NOT RESPONSIBLE FOR ASBESTOS ABATEMENT OR ANY OTHER HAZARDOUS MATERIALS. IF HAZARDOUS MATERIALS ARE ENCOUNTERED. CONTRACTOR SHALL CONTACT THE RESIDENT ENGINEER.

13. CONTRACTOR SHALL COMPLY AND WORK COOPERATIVELY WITH THE CHOLLAS YARD SECURITY REQUIREMENTS.

14. DURING CONSTRUCTION PERIOD, MATERIALS OF CONSTRUCTION SHALL BE SPREAD OUT IF PLACED ON FRAMED FLOORS OR ROOF. THE LOAD SHALL NOT EXCEED THE DESIGN LIVE LOADS FOR EACH PARTICULAR LEVEL.

15. 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 SUBMITTALS, AND FOR A LIMITED PERIOD.

16. ITEMS SHOWN AS N.I.C. ON PLANS MAY REQUIRE SEPARATE SUBMITTALS, APPROVALS AND PERMITS. INSTALLING CONTRACTOR(S) IS RESPONSIBLE FOR OBTAINING PERMITS FOR SUCH

17. NOT USED.

18. PAINT ALL NEW SERVICES THAT ARE NOT FACTORY FINISH TO MATCH EXISTING COLORS.

19. CONTRACTOR SHALL ENSURE ALL FINISH MATERIALS BE FLUSH WHERE NEW FINISH SURFACE MATERIAL JOIN EXISTING TO PROVIDE SMOOTH TRANSITION.

20. NOT USED.

21. NOT USED.

22. ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).

23. TACTILE EXIT SIGNS SHALL BE REQUIRED PER CBC 11B-703.2

24. CLASS I, II AND III- A LIQUIDS SHALL NOT BE PLACED OR STORED IN ANY OF GROUP "A" OCCUPANCY (CBC SECTION 307.8).

25. NO HAZARDOUS MATERIALS THAT EXCEED THE QUANTITIES LISTED IN UBC TABLES 3D & 3E WILL BE STORED AND OR USED WITHIN BUILDINGS.

26. NOT USED.

27. NOT USED.

28. NOT USED.

FIRE PROTECTION NOTES

1. NOT USED.

2. ALL EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. NO DEAD BOLTS, NO SLIDING BOLTS, ETC.

3. FIRE ALARM SYSTEM SHALL BE OPERABLE AT ALL TIMES. MANUAL PULL STATIONS SHALL BE LOCATED AS REQUIRED. CBC SECTION 907.4.2

4. INTERIOR FINISHES SHALL COMPLY WITH THE REQUIREMENTS OF CH. 8, CBC 2016 EDITION.

5. ALL DECORATIVE MATERIALS SHALL BE MAINTAINED IN A FLAME-RETARDANT CONDITION. (C.C.R. T-19, SEC. 1.14, 3.08, 3.21, AND C.F.C. SEC. 1103.3.3).

6.THE CONSTRUCTION, REMODEL, OR DEMO. OF A BLDG. SHALL COMPLY WITH CFC ARTICLE 87.

7. FIRE HYDRANTS SHALL COMPLY WITH FIRE DEPARTMENT REQUIREMENTS FOR ON-SITE FIRE HYDRANTS.

8. WHEN SERVING MORE THAN 100 SPRINKLER HEADS, AUTOMATIC SPRINKLER SYSTEM SHALL BE SUPERVISED BY AN APPROVED CENTRAL, PROPRIETARY OR REMOTE, STATION SERVICE, OR SHALL BE PROVIDED WITH A LOCAL ALARM WHICH WILL GIVE AN AUDIBLE SIGNAL AT A CONSTANTLY ATTENDED LOCATION PER SECTION 903.4.

9. CONTRACTOR SHALL PROVIDE PROPER FIRE TRUCK ACCESS AND FIRE EXITS DURING CONSTRUCTION AT ALL TIMES.

10. PENETRATIONS OF FIRE RESISTIVE WALLS, FLOOR-CEILINGS AND ROOF CEILINGS SHALL BE PROTECTED AS REQUIRED IN CBC SECTIONS 714 AND 715.

11. AUDIBLE AND VISUAL ALARMS WILL COMPLY WITH THE PROVISIONS OF NFPA 72G.

12. WALL AND CEILING MATERIALS SHALL NOT EXCEED THE FLAME SPREAD CLASSIFICATIONS IN CBC TABLE 803-11.

13.FOAM PLASTICS SHALL NOT BE USED AS INTERIOR FINISH EXCEPT AS PROVIDED IN SEC. 2604.

14. MANUAL FIRE ALARM BOXES ARE NOT REQUIRED FOR GROUP-A OCCUPANCIES WHERE THE BUILDING SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 AND THE OCCUPANT NOTIFICATION APPLIANCES WILL ACTIVATE THROUGHOUT THE NOTIFICATION ZONES UPON SPRINKLER WATERFLOW. (CBC 907.2.1)

15. PER SECTION 1009.8, WHEN SPRINKLER OR FIRE ALARMS ARE PROVIDED, THEY SHALL COMPLY WITH THE CBC, CHAPTER 35.

16. APPROVED NOTIFICATION APPLIANCES FOR THE HEARING IMPAIRED SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF NFPA 72G IN THE FOLLOWING AREAS: RESTROOMS. MULTIPURPOSE ROOMS, OCCUPIED ROOMS WHERE AMBIENT NOISE IMPAIRS HEARING OF THE FIRE ALARM, LOBBIES, MEETING ROOMS, AND ANY OTHER AREA FOR COMMON USE. SECTION 3501.1, AMENDMENT TO SECTION 6-4.5.

17. DURING CONSTRUCTION, AT LEAST ONE EXTINGUISHER SHALL BE PROVIDED ON EACH FLOOR LEVEL AT EACH STAIRWAY, IN ALL STORAGE AND CONSTRUCTION SHEDS, IN LOCATIONS WHERE FLAMMABLE OR COMBUSTIBLE LIQUIDS ARE STORED OR USED. AND WHERE OTHER SPECIAL HAZARDS ARE PRESENT PER CFC 1415.1

18. BUILDINGS UNDERGOING CONSTRUCTION, ALTERATION, OR DEMOLITION SHALL CONFORM TO CFC CHAPTER 14. WELDING, CUTTING, AND OTHER HOT WORK SHALL BE IN CONFORMANCE WITH CDC CHAPTER 26.

19. ADDRESS IDENTIFICATION SHALL BE PROVIDED FOR ALL NEW AND EXISTING BUILDINGS IN A LOCATION THAT IS PLAINLY VISIBLE AND LEGIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY. WHERE ACCESS IS BY WAY OF PRIVATE ROAD AND THE BUILDING ADDRESS CANNOT BE VIEWED FROM THE PUBLIC WAY, AN APPROVED SIGN OR MEANS SHALL BE USED TO IDENTIFY THE STRUCTURE.

20. WALL, FLOOR AND CEILING FINISHES AND MATERIALS SHALL NOT EXCEED THE INTERIOR FINISH CLASSIFICATIONS IN CBC TABLE 803.3AND SHALL MEET THE FLAME PROPAGATION PERFORMANCE CRITERIA OF THE CALIFORNIA CODE OF REGULATIONS. TITLE 19. DIVISION 1. DECORATIVE MATERIALS SHALL BE PROPERLY TREATED BY A PRODUCT OR PROCESS APPROVED BY THE STATE FIRE MARSHAL WITH APPROPRIATE DOCUMENTATION PROVIDED TO THE CITY OF SAN DIEGO.

21. DUMPSTERS AND TRASH CONTAINERS EXCEEDING 1.5 CUBIC YARDS SHALL NOT BE STORED IN BUILDINGS OR PLACED WITHIN 5 FEET OF COMBUSTIBLE WALLS, OPENINGS OR COMBUSTIBLE ROOF EAVE LINES UNLESS PROTECTED BY AN APPROVED SPRINKLER SYSTEM OR LOCATED IN A TYPE I OR IIA STRUCTURE SEPARATED BY 10 FEET FROM OTHER STRUCTURES. CONTAINERS LARGER THAN 1 CUBIC YARD SHALL BE OF NON- OR LIMITED COMBUSTIBLE MATERIALS OR SIMILARLY PROTECTED OR SEPARATED.CFC 304.3

22. EXITS. EXIT SIGNS. FIRE ALARM PANELS. HOSE CABINETS. FIRE EXTINGUISHER LOCATIONS. AND STANDPIPE CONNECTIONS SHALL NOT BE CONCEALED BY CURTAINS, MIRRORS OR OTHER DECORATIVE MATERIAL.

23. OPEN FLAMES, FIRE, AND BURNING ON PREMISES IS PROHIBITED.

24. THE EGRESS PATH SHALL REMAIN FREE AND CLEAR OF ALL OBSTRUCTIONS AT ALL TIMES. NO STORAGE IS PERMITTED IN ANY EGRESS PATHS.

25. NOT USED.

CAL. GREEN BUILDING STAND.

1. IN ORDER TO COMPLY WITH ALL MANDATORY REQUIREMENTS OF THE CALIFORNIA GREEN BUILDING STANDARDS CODE. THE PROJECT MUST MEET ALL OF THE REQUIREMENTS OF DIVISIONS 5.1 THROUGH 5.5.

2. NOT USED.

3. NOT USED.

4. ADHESIVES, SEALANTS, CAULKS. ADHESIVES AND SEALANTS USED ON THE PROJECT SHALL MEET THE REQUIREMENTS OF THE FOLLOWING STANDARDS. (SECTION 5..504.4.1 OF CAL GREEN) ADHESIVES, ADHESIVE BONDING PRIMERS, ADHESIVE PRIMERS, SEALANTS, SEALANT PRIMERS AND CAULKS SHALL COMPLY WITH LOCAL OR REGIONAL AIR POLLUTION CONTROL OR AIR QUALITY MANAGEMENT DISTRICT RULES WHERE APPLICABLE, OR SCAQMD RULE 1168 VOC LIMITS, AS SHOWN IN TABLES 5.504.4.1 AND 5.504.4.2 OF CAL GREEN.

5. A LETTER FROM THE CONTRACTOR OR BUILDING OWNER CERTIFYING WHAT MATERIAL HAS BEEN USED AND ITS COMPLIANCE WITH THE CODE MUST BE SUMBITTED TO THE BUILDING INSPECTOR.

6. AEROSOL ADHESIVES, AND SMALLER SIZE UNIT SIZES OF ADHESIVES, AND SEALANT OR CAULKING COMPOUNDS (IN UNITS OF PRODUCT, LESS PACKAGING, WHICH DO NOT WEIGH MORE THAN ONE POUND AND DO NOT CONSIST OF MORE THAN 16 FLUID OUNCES) SHALL COMPLY WITH STATEWIDE VOC STANDARDS AND OTHER REQURIEMENTS, INCLUDING PROHIBITIONS ON USE OF CERTAIN TOXIC COMPOUNDS, OF CALIFORNIA CODE OF REGULATIONS, TITLE 17, COMMENCING WITH SECTION 94507.

7. ARCHITECTURAL PAINTS AND COATINGS SHALL COMPLY WITH TABLE 5.504.4.2 UNLESS MORE STRINGENT LOCAL LIMITS APPLY.

8. AEROSOL PAINTS AND COATINGS SHALL MEET THE PRODUCT-WEIGHTED MIR LIMITS FOR ROC IN SECTION 94522(A)(3) AND OTHER REQUIREMENTS. INCLUDING PROHIBITIONS ON USE OF CERTAIN TOXIC COMPOUNDS AND OZONE DEPLETING SUBSTANCES (CCR, TITLE 17, COMMENCING WITH SECTION 94507.

9. NOT USED.

10. NOT USED.

11. NOT USED.

12. DOCUMENTATION SHALL BE PROVIDED VERIFYING THAT RESILIENT FLOORING MATERIALS MEET THE POLLUTANT EMISSION LIMITS.

13. SMOKING PROHIBITED WITHIN 25 FEET OF BUILDING ENTRIES, OUTDOOR AIR INTAKES AND OPERABLE WINDOWS WHERE OUTDOOR AREAS ARE PROVIDED FOR SMOKING, AND IN BUILDINGS.

DEFERRED SUBMITTALS BY CONTRACTOR

1. 2-TON BRIDGE CRANE SUBMITTAL

FRANCIS S. MARQUEZ

PROJECT MANAGER

PROJECT ENGINEER

CCS27 COORDINATE

1847-6309 CCS83 COORDINATE

41951-2-D

CHECKED BY:

22 SHEETS

11/16/2020

C77208

APPROVED DATE FILMED

11/16/20

RCE#

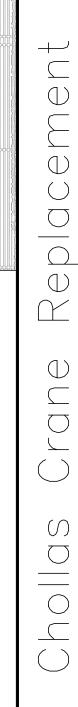
S. S.

DATE STARTED

DATE COMPLETED

AS-BUILT INFORMATION PLANS FOR THE CONSTRUCTION OF MATERIALS MANUFACTURER Chollas Crane Replacement **GENERAL NOTES** CITY OF SAN DIEGO, CALIFORNIA SPEC. NO. 1979 WBS L-14002.4 CONSULTANT ENGINEERING & CAPITAL PROJECTS DEPARTMENT

	SHEET 2 OF 2
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Glyof Sanithiego Storem Waston Booking FORM	Page 2 of 4 City of San Diego - Development Services : Storm Water Requirements Applicability Checklist
Storm Water Requirements Storm Water Requirements Storm Water Requirements	PART B: Determine Construction Site Priority This prioritization must be completed within this form, noted on the plans, and included in the SWPPP or WPCP. The city reserves the right to adjust the priority of projects both before and after construction. Construction projects are assigned an inspection frequency based on if the project has a "light threat to water quality." The City has aligned the local definition of thigh threat to water quality, to the risk determination approach of the State Construction General Permit (CGP). The CGP determines a skillevel based on project specific sediment risk and receiving water risk. Additional inspection is required for projects within the Areas of Special Biological Significance (ASBS) watershed. NOTE The construction priority does NOT change construction BMP requirements.
	project's are assigned an inspection frequency based on if the project has a "high threat to water quality." The City has aligned the local definition of thigh threat to water quality to the risk determination approach of the
CTION 1. Construction Storm Water BMP Requirements:	State Construction General Permit (CGP). The CGP determines risk level based on project specific sediment risk and receiving water risk. Additional inspection is required for projects within the Areas of Special Biological Signature.
Construction sites are required to implement construction BMPs in accordance with the performance standards is the Storm Water Standards Manual. Some sites are additionally required to obtain coverage under the State on Struction General Permit (CGP), which is administered by the State Regional Water Quality Control Board.	that apply to projects; rather, it determines the frequency of inspections that will be conducted by city staff.
or all projects complete PART A: If project is required to submit a SWPPP or WPCP, continue to ART B.	Complete PART B and continued to Section 2
	ASBS A Projects located in the ASBS watershed.
ART A: Determine Construction Phase Storm Water Requirements. Is the project Subject to California's statewide General NPDES permit for Storm Water Discharges Associated	2. [I] High Priority
Is the project subject to California's statewide General NPDES permit for Storm Water D. scharges Associated with Construction Activities, also known as the State Construction General Permit (CGP)? (Typically projects with land disturbance greater than or equal to 1 acre.)	ii. Projects that qualify as Risk Level 2 of Risk Level 3 per the Construction General Permit: (CGP) and not located in the ASBS watershed.
☐ Yes: SWPPP required, skip questions 2-4 区 No; next question	b. Projects, that qualify as LUP Type 2 or LUP Type 3 per the CGP and not located in the ASBS watershed.
Does the project propose construction or demolition activity, including but not I mited to clearing, grading, grubbing, excavation, or any other activity resulting in ground disturbance and/or contact with storm water?	
X Yes; WPCP required, skip questions 3-4 No; next question	3. Medium Priority: a. Projects that are not located in an ASBS watershed or designated as a High priority site.
Does the project propose routine maintenance to maintain original line and grade hydraulic capacity, or original purpose of the facility? (Projects such as pipeline/strility replacement)	b. Projects that qualify as Risk Level 1 on LUP Type T per the CGP and not located in an ASBS watershed.
Yes, WPCP required, skip question 4 × No; next question;	WPCP projects (>5,000sf of ground disturbance) located within the Los Penasquitos watershed management area.
Daes the project only include the following Permit types listed below? Electrical Permit, Fire Alarm Permit, Fire Sprinkler Permit, Pumbing Permit, Sign Permit, Mechanical Permit,	Low Priority a. Projects not subject to a Medium or High site priority designation and are not located in an ASBS.
Spa Permit: Individual Right of Way Permits that exclusively include only ONE of the following activities: water service.	watershed.
sewer lateral, or utility service: Right of Way Permits with a project footprint less than 150 linear feet that exclusively include only ONE of the following activities: curb ramp, sidewalk and driveway apron replacement, pot hollog, curb and gutter	SECTION 2. Permanent Storm Water BMP Requirements: Additional information for determining the requirements is found in the Storm Water Standards Manual.
replacement and retaining wall encroachments.	PART C: Determine if Not Subject to Permanent Storm Water Requirements.
Yes, no document required	Projects that are considered maintenance or otherwise not categorized as "new development projects" or "rede- velopment projects" according to the <u>Storm Water Standards Manual</u> are not subject to Permanent Storm Water BMPS:
Check one of the boxes below, and continue to PART B:	If "yes" is checked for any number in Part C proceed to Part F and check "Not Subject to Parms.
If you checked "Yes" for question ", a SWPPP is REQUIRED. Continue to PART B	If "yes" is checked for any number in Part C. proceed to Part F and check "Not Subject to Permanent Storm Water BMP Requirements".
f you checked "No" for question 1 ₀ and checked "Yes" for puestion 2 or 3, a WPCP is REQUIRED . If the project proposes less than 5,000 square feet of ground disturbance AND has less than a 5-foot elevation change over the entire project area in Minor WPCP may be required instead. Continue to PART B ₂	If "no" is checked for all of the numbers in Part C continue to Part D.
	Does the project only include interior remodels and/or is the project entirely within an existing enclosed structure and does not have the potential to contact storm water?
If you checked No. for all questions 13, and checked 'Yes' for question 4 PART B does not apply and no document is required. Continue to Section 2.	Does the project only include the construction of overhead or underground utilities without creating new impervious stirfaces? Yes No
Minor-WPCP	Does the project fall under routine maintenance? Examples include, but are not limited to: roof or exterior structure surface replacement, resurfacing or reconfiguring surface parking.
Mark information on the folias construction BVF requirements as well as EGP requirements can be found as: What said by the standard regulation in the standard services as well as EGP requirements can be found as: From some of the standard regulation in the standard regulation regulation in the standard regulation re	roof or exterior structure surface replacement, resurfacing or reconfiguring surface parking lots or existing roadways without expanding the impervious footorist, and routine replacement of damaged pavement (grinding/overfay, and pothole repair).
Doon request in a intermediate and take in alternative formalistic persons with distributions DS.560 O.L-181	
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ge 3 of 4 City of San Diego • Development Services • Storm Water Requirements Applicability Checklist	Page 4 of 4 City of San Diego - Development Services - Storm Water Requirements Applicability Checklist
RT D: PDP Exempt Requirements.	7: New development or redevelopment discharging directly to an Environmentally Sensitive Area: The project creates and/or replaces 2,500 square feet of impervious surface (collectively over project site); and discharges directly to an Environmentally Sensitive
DP Exempt projects are required to implement site design and source control BMPs.	Sensitive Area: The project creates and/or/replaces 2,500/square feet of impervious surface (collectively over project site); and discharges directly to an Environmentally Sensitive Area (ESA). This charging directly to includes flow that is conveyed overland a distance of 200 feet or less from the project to the ESA, or conveyed as a pipe or open channel any distance as an isolated flow from the project to the ESA (i.e., not commingled with flows from adjacent
"yes" was checked for any questions in Part D, continue to Part F and check the box labeled "DP Exempt."	Idnos).
	New development or redevelopment projects of a retail gasoline outlet (RGO) that create and/or replaces 5,000 square feet of impervious surface. The development projects the following references and on the following references.
"no" was checked for all guestions in Part D, continue to Part E,	THE PROPERTY OF THE PROPERTY O
"no" was checked for all guestions in Part D, continue to Part E; Does the project ONLY include new or retrofit sidewalks, bicycle lanes, or trails that: Are designed and constructed to direct storm water runoff to adjacent vegetated areas, or other	project meets the following criteria: (a) 5,000 square feet or more of slp) has a projected Average Daily Traffig (AOT) of 100 or more vehicles per day.
"no" was checked for all guestions in Part D, continue to Part E. Does the project ONLY include new or retrofit sidewalks, bicycle lanes, or trails that: Are designed and constructed to direct storm water runoff to adjacent vegetated areas, or other non-erodible permeable areas? Or: Are designed and constructed to be hydraulically disconnected from paved streets and roads? Or:	
"no" was checked for all guestions in Part D, continue to Part E; Does the project ONLY include new or retrofit sidewalks, bicycle lanes, or trails that: Are designed and constructed to direct storm water runoff to adjacent vegetated areas, or other non-erodible permeable areas? Or;	9. (New development or redevelopment projects of an automotive repair shops that creates and/or replaces 5,000 square feet or more of impervious surfaces. Development projects categorized in any one of Standard Industrial Classification (SIC) codes 5013, 5014; 5541, 7532-7534, or 7536-7539.
"no" was checked for all questions in Part D, continue to Part E. Does the project ONLY include new or retrofit sidewalks, bicycle lanes, or trails that: Are designed and constructed to direct storm water runoff to adjacent vegetated areas, or other non-erodible permeable areas? Or: Are designed and constructed to be hydraulically disconnected from paved streets and roads? Or: Are designed and constructed with permeable pavements or surfaces in accordance with the Green Streets guidance in the City's Storm Water Standards manual? No: next question	9. New development or redevelopment projects of an automotive repair shops that creates and/or replaces 5,000 square feet or more of impervious surfaces. Development projects categorized in any one of Standard Industrial Classification (SIC) codes 5013/5014; 5541, 7532-7534, or 7536-7539. 10. Other Pollutant Generating Project. The project is not covered in the categories above; results in the disturbance of one or more acres of land and is expected to generate pollutants; post construction, such as fertilizers and pesticides. This does not include projects creating.
"no" was checked for all guestions in Part D, continue to Part E. Does the project ONLY include new or retrofit sidewalks, bicycle lanes, or trails that: Are designed and constructed to direct storm water runoff to adjacent vegetated areas, or other non-erodible permeable areas? Or; Are designed and constructed to be hydraulically disconnected from paved streets and roads? Or; Are designed and constructed with permeable pavements or surfaces in accordance with the Green Streets guidance in the City's Storm Water Standards manual? Yes: PDP exempt requirements apply	9. New development or redevelopment projects of an automotive repair shops that creates and/or replaces 5,000 square feet or more of impervious surfaces. Development projects categorized in any one of Standard Industrial Classification (SIC) codes 5013, 5014, 5541, 7532-7534, or 7536-7539. 10. Other Pollutant Generating Project. The project is not covered in the categories above; results in the disturbance of one or more acres of land and is expected to generate pollutants; post construction, such as fertilizers and pesticides. This does not include projects creating less than 5,000 st of impervious surface and where added landscaping does not require regular use of pesticides and fertilizers; such as slope sublization using native plants. Calculation of the square footage of impervious surface need not include linear pathways that are for infrequents.
"no" was checked for all guestions in Part D, continue to Part E. Does the project ONLY include new or retrofit sidewalks, bicycle lanes, or trails that: Are designed and constructed to direct storm water runoff to adjacent vegetated areas, or other non-erodible permeable areas? Or: Are designed and constructed to be hydraulically disconnected from paved streets and roads? Or: Are designed and constructed with permeable pavements or surfaces in accordance with the Green Streets guidance in the City's Storm Water Standards manual? Yes: PDP exempt requirements apply Does the project ONLY include retrofitting or redeveloping existing paved alleys, streets or roads designed	9. New development or redevelopment projects of an automotive repair shops that creates and/or replaces 5,000 square feet or more of impervious surfaces. Development projects categorized in any one of Standard Industrial classification (SIG) codes 5013, 5014; 5541, 7532-7534, or 7536-7539. 10. Other Pollutant Generating Project. The project is not covered in the categories above results in the disturbance of one or more acres of land and is expected to generate pollutants, post construction, such as fertilizers and pesticides. This does not include projects creating
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*no" was checked for all questions in Part D, continue to Part E. Does the project ONLY include new or retrofit sidewalks, bicycle lanes, or trails that: Are designed and constructed to direct storm water runoff to adjacent vegetated areas, or other non-crodible permeable areas? Or; Are designed and constructed to be hydraulically disconnected from paved streets and roads? Or; Are designed and constructed with permeable pavements or surfaces in accordance with the Green Streets guidance in the City's Storm Water Standards manual? Yes: PDP exempt requirements apply No; next question: Does the project ONLY include retrofitting or redeveloping existing paved alleys, streets or roads designed and constructed in accordance with the Green Streets guidance in the City's Storm Water Standards Manual? Yes: PDP exempt requirements apply No; project not exempt. ART E: Determine If Project is a Priority Development Project (PDP), ojects that match one of the definitions below are subject to additional requirements including preparation of	9. New development or redevelopment projects of an automotive repair shops that creates and/or replaces 5,000 square feet or more of impervious surfaces. Development projects categorized in any one of Standard Industrial Classification (SIC) codes 5013/5014; 5541,7532-7534, or 7536-7539. 10. Other Pollutant Generating Project. The project is not covered in the categories above; results in the disturbance of one or more acres of land and is expected to generate pollutants; past construction. Such as fertilizers and pesticides. This does not include projects creating less than 5,000 sto impervious surface and where added fandscaping does not require regular use of pesticides jand fertilizers, such as soope stabilization using native plants. Calculation of the square rootage of impervious surface need not include linear pathways that are for infrequents which use, such as emergency maintenance access or bicycle pedestrian use, if they are built with pervious surfaces of it they sheet flow to surrounding pervious surfaces. PART F: Select the appropriate category based on the outcomes of PART C through PART E.
If "no" was checked for all questions in Part D, continue to Part E: 1. Does the project ONLY include new or retrofit sidewalks, bicycle lanes, or trails that: • Are designed and constructed to direct storm water runoff to adjacent vegetated areas, or other non-erodible permeable areas? Or: • Are designed and constructed to be hydraulically disconnected from paved streets and roads? Or: • Are designed and constructed with permeable pavements or surfaces in accordance with the Green Streets guidance in the City's Storm Water Standards manual? • Yes: PDF exempt requirements apply • No: next question: 2. Does the project ONLY include retrofitting or redeveloping existing paved alleys, streets or roads designed and constructed in accordance with the Green Streets guidance in the City's Storm Water Standards Manual?	9. New development or redevelopment projects of an automotive repair shops that creates and/or replaces 5,000 square feet or more of impervious surfaces. Development projects categorized in any one of Standard Industrial classification (SIC) codes 5013, 5d14, 5541, 7532-7534, or 7536-7539. 10. Other Pollutant Generating Project. The project is not covered in the categories above results in the disturbance of one or more acres of land and is expected to generate pollutants; post construction, such as fertilizers and pesticides. This does not include projects creating ess than 5,000 st of impervious surface and where added landscaping does not require regular use of pesticides and fertilizers, such as slope stabilization using native plants. Calculation of the square footage of impervious surface need not include linear pathways that are for infrequent which use is surfaces of it they sheet flow to surrounding pervious surfaces. Yes No

STORM WATER QUALITY NOTES - CONSTRUCTION BMPs NECESSARY MATERIALS SHALL BE STOCKE LEGIONS TEAT CONVENIENT LOCATIONS TO FACILITATE PARIS This project shall comply with all current requirements of the State Permit: California Regional Water Quality Control Board (SDRWQCB), San Diego Municipal We skylve o anies gales salutya. Storm Water Permit, The City of San Diego Land Development Code, and the Storm Water Standards Manual. PRIOR TO ANY SOIL DISTURBANCE, TEMPORARY SEDIMENT CONTROLS SHALL BE INSTALLED BY THE CONTRACTOR OR QUALIFIED PERSON(S) AS INDICATED BELOW: 1. ALL REQUIREMENTS OF THE CITY OF SAN DIEGO STORM WATER STANDARDS MANUAL MUST BE INCORPORATED INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING/IMPROVEMENTS CONSISTENT WITH THE APPROVED STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND/OR WATER POLILUTION CONTROL PLAN (WPCP) FOR CONSTRUCTION LEVEL BMPS AND, IF APPLICABLE, THE STORM WATER QUALITY MANAGEMENT RIAN ISNOMB) FOR POST CONSTRUCTION BMPS.... 2. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL STORM DRAIN INLET PROTECTION. INLET PROTECTION IN THE PUBLIC RIGHT-OF WAY MUST BE TEMPORARILY REMOVED PRIOR TO A RAIN SYENT TO ENSURE NO FLOODING OCCURS AND REINSTALLED AFFER RAIN IS OVER... 3. ALL CONSTRUCTION BMPS SHALL BE INSTALLED AND PROPERLY MAINTAINED THROUGHOUT THE ANTICIPATED CONSTRUCTION ACTIVITIES DURATION OF CONSTRUCTION. 4. THE CONTRACTOR SHALL ONLY GRADE, INCLUDING CLEARING AND GRUBBING, AREAS FOR WHICH THE CONTRACTOR OR QUALIFIED CONTACT PERSON CAN PROVIDE FROSION AND SEGMENT CONTROL... MEASURES 5: THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL SUB-CONTRACTORS AND SUPPLIERS ARE possible as safety allows... AWARE OF ALL STORM WATER BMPS AND IMPLEMENT SUCH MEASURES. FAILURE TO COMPLY WITH THE APPROVED SWPPP WPCF WILL RESULT IN THE ISSUANCE OF CORRECTION NOTICES, CITATIONS, CIVIL.... PENALTIES, AND/ORIGIOS MORKAYOTICES. 6. THE CONTRACTOR OR QUALIFIED CONTACT PERSON SHALL BE RESPONSIBLE FOR CLEANUR OF ALL SILL; DEBRIS, AND MUDION AFFECTED AND ADJACENT STREET(S) AND WITHIN STORM DRAIN SYSTEM DUE TO CONSTRUCTION VEHICLES/EQUIPMENT AND CONSTRUCTION ACTIVITY AT THE END OF EACH WORK DAY: 7-THE CONTRACTOR SHALL PROTECT NEW AND EXISTING STORM WATER CONVEYANCE SYSTEMS FROM SEDIMENTATION CONCRETERINGE OR OTHER CONSTRUCTION RELATED DEBRIS AND DISCHARGES WITH THE APPROPRIATE BMPS THAT ARE ACCEPTABLE TO THE CITY RESIDENT ENGINEER AND AS INDICATED IN THESWERPMOON Updated 10/1/2018 8-THE CONTRACTOR OR QUALIFIED CONTACT PERSON SHALL CLEAR DEBRIS, SIET; AND MUD FROM ALL DITCHES AND SWALES PRIOR TO AND WITHIN 3 BUSINESS DAYS AFTER EACH RAIN EVENT OR PRIOR TO THE NEXTRAIN EVENT, WHICHEVER'S SOONER. 9.1EA NON-STORM WATER DISCHARGE LEAVES THE SITE. THE CONTRACTOR SHALL IMMEDIATELY STOP THE ACTIVITY AND REPAIR THE DAMAGES, THE CONTRACTOR SHALL NOTIFY THE CITY-BESIDENT ENGINEER OF *** THE DISCHARGE PRIOR TO RESUMING CONSTRUCTION ACTAINTY, ANY AND ALL WASTE MATERIAL SEDIMENT, AND DEBRIS FROM EACH NON-STORM WATER DISCHARGE SHALL BE REMOVED FROM THE STORM CRAIN CONVEYANCE SYSTEM AND PROPERCY DISPOSED OF BY THE CONTRACTOR.

DEPLOYMENT OF CONSTRUCTION BMPS WHEN RAIN IS IMMINENT. 11, THE CONTRACTOR SHALL RESTORE AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL BMPS TO 12. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES DUE TO UNFORESEEN CIRCUMSTANCES TO PREVENTINON-STORM WATER AND ISEDIMENT: LADEN DISCHARGES. 13. THE CONTRACTOR SHALL DERESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION. 14, ALL EROSION AND SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED SWPPPAVPCP SHALL BE INSTALLED AND MAINTAINED, ALL EROSIGN AND SEDIMENT CONTROLS FOR INTERIM CONDITIONS SHALL BE PROPERLY DOCUMENTED AND INSTALLED TO THE SATISFACTION OF THE CITY RESIDENT 15. AS NECESSARY, THE CITY RESIDENT ENGINEER SHALL SCHEDULE MEETINGS FOR THE PROJECT TEAM EGENERAL CONTRACTOR, QUALIFIED CONTACT PERSON, EROSION CONTROL SUBCONTRACTOR IF ANY ENGINEER OF WORK JOYNER/DEVELOPER, AND THE CITY RESIDENT ENGINEER TO EVALUATE THE ADEQUACY OF THE EROSION AND SEDIMENT CONTROL MEASURES AND OTHER UMPS RELATIVE TO 16, THE CONTRACTOR OR QUALIFIED CONTACT PERSON SHALL CONDUCT VISUAL INSPECTIONS AND... MAINTAIN ALL BMPS DAILY AND AS NEEDED, VISUAL INSPECTIONS AND MAINTENANCE OF ALL BMPS SHALL BE-CONQUETED BEFORE, DURING, AND AFTER EVERY RAIN EVENT AND EVERY 24 HOURS DURING ANY... PROLONGED RAIN EVENT, THE CONTRACTOR SHALL MAINTAIN AND REPAIR ALL BMPS AS SOON AS . 17. CONSTRUCTION ENTRANCE AND EXIT AREA. TEMPORARY CONSTRUCTION ENTRANCE AND EXITS SHALL BE CONSTRUCTED. IN ACCORDANCE WITH CASOA FACT SHEET TO FOR CALIRANS FACT SHEET TO 91 TO PREVENT TRACKING OF SEDIMENT AND OTHER POTENTIAL POLLUTANTS ONTO PAVED SURFACES AND TRAVELED WAYS, WIDTH SHALL BE TO OR THE MINIMUM NECESSARY TO ACCOMMODATE VEHICLES AND EQUIPMENT WITHOUT BY PASSING THE ENTRANCE (a) NON-STORM WATER DISCHARGES SHALL BE EFFECTIVELY MANAGED PER THE SAN DIEGO MUNICIPAL CODE CHAPTER 4, ARTICLE 3, DIVISION 3 "STORM" WATER MANAGEMENT AND DISCHARGE CONTROLS

TO, EQUIPMENT AND WORKERS FOR EMERGENCY, WORK SHALL BE WADEAVAILABLE AT ALL TIMES ALL.

MA IERIALS	K	Chollas Crane Replaceme						
- - -		- - -	S	ΓORM WAT	ER N	ОТЕ	ES	
CONSULT	ANT	SPEC. NO. 1979	ENGINEERING &	CAPITA	IEGO, CALIFO L PROJECTS DEP OF 22 SHEETS			WBS
PORITECTS		KOTARO NAKAMURA NO. C 17921	FOR CITY ENGINEER JASON GRAN DEPUTY CITY ENGINEER DESCRIPTION	۷I	DATE	C77208	FILMED	SUBMITTED FRAN PRO CHECKED I

MANUFACTURER

AS-BUILT INFORMATION

MATERIALS

DIEGO, CALIFORNIA WBS L-14002.4 ITAL PROJECTS DEPARTMENT OF 22 SHEETS 11/16/2020 FRANCIS S. MARQUEZ PROJECT MANAGER C77208 CHECKED BY: DATE FILMED PROJECT ENGINEER APPROVED

PLANS FOR THE CONSTRUCTION OF

REN. 5-31-21 ROESLING NAKAMURA TERADA CCS27 COORDINATE ARCHITECTS INC 1847-6309 363 Fifth Avenue San Diego, California 92101 CCS83 COORDINATE P619.233.1023 CONTRACTOR DATE STARTED www.rntarchitects.com 41951-3-D DATE COMPLETED

PTS: 667514

	WARNING			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.	0 1
				IF THIS BAR DOES NOT MEASURE 1"
				THEN DRAWING IS NOT TO SCALE.

Dyes Dive

□yes □ No

□Yes: □No

□Yesi □No

□Yes: □No

□yes □No

If "no" is checked for every number in PARTE, continue to PARTE and check the box labeled "Standard Development Project".

New Development that creates 10,000 square feet or more of impervious surfaces collectively over the project site. This includes commercial industrial residential, mixed-use, and public development projects on public or private land.

Redevelopment project that creates and/or replaces 5,000 square feet or more of impervious surfaces on an existing site of 10,000 square feet or more of impervious surfaces. This includes commercial, industrial, residential, mixed-use, and public

New development or redevelopment of a restaurant. Facilities that sell prepared loods

New development or redevelopment on a hillside. The project creates and/or replaces

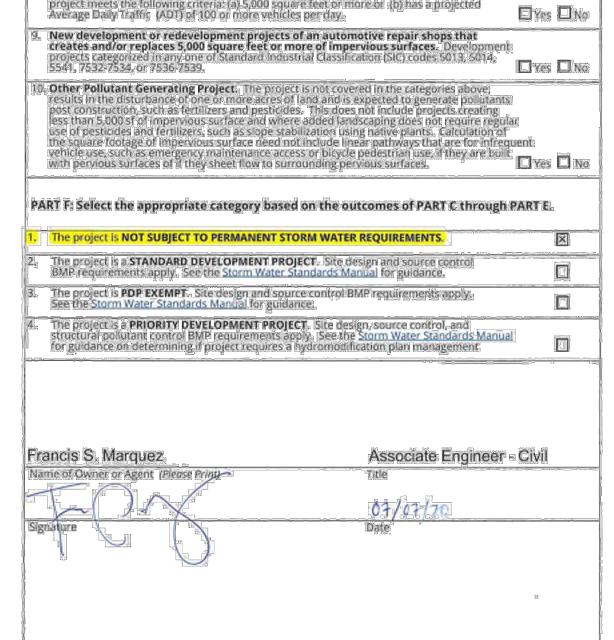
the development will grade on any natural slope that is twenty-live percent or greater;

New development or redevelopment of a parking lot that creates and/or replaces 5,000 square feet or more of impervious surface (collectively over the project site).

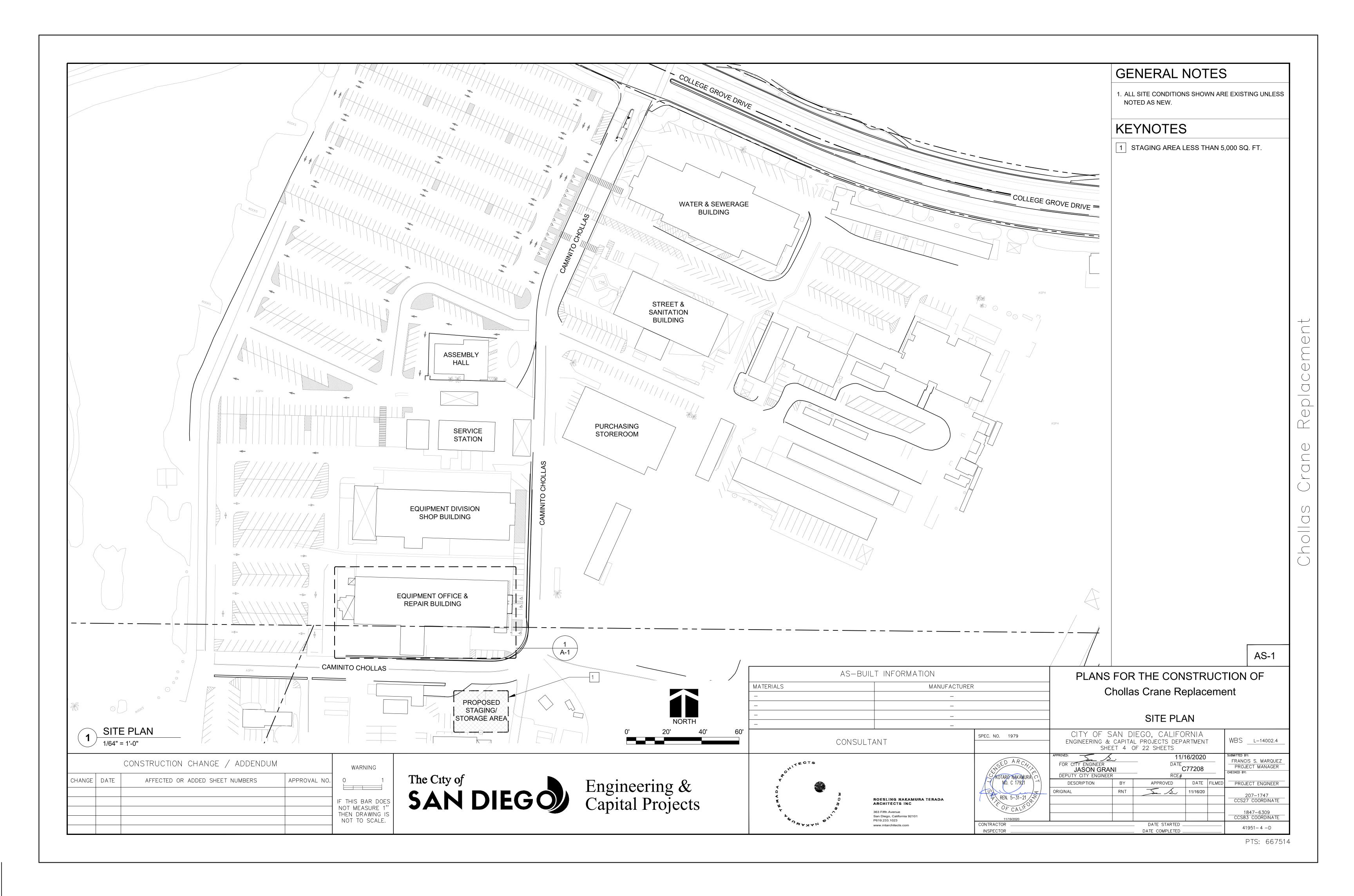
New development or redevelopment of streets, roads, highways, freeways, and driveways. The project creates and/or replaces 5,000 square feet or more of impervious surface (collectively over the project site).

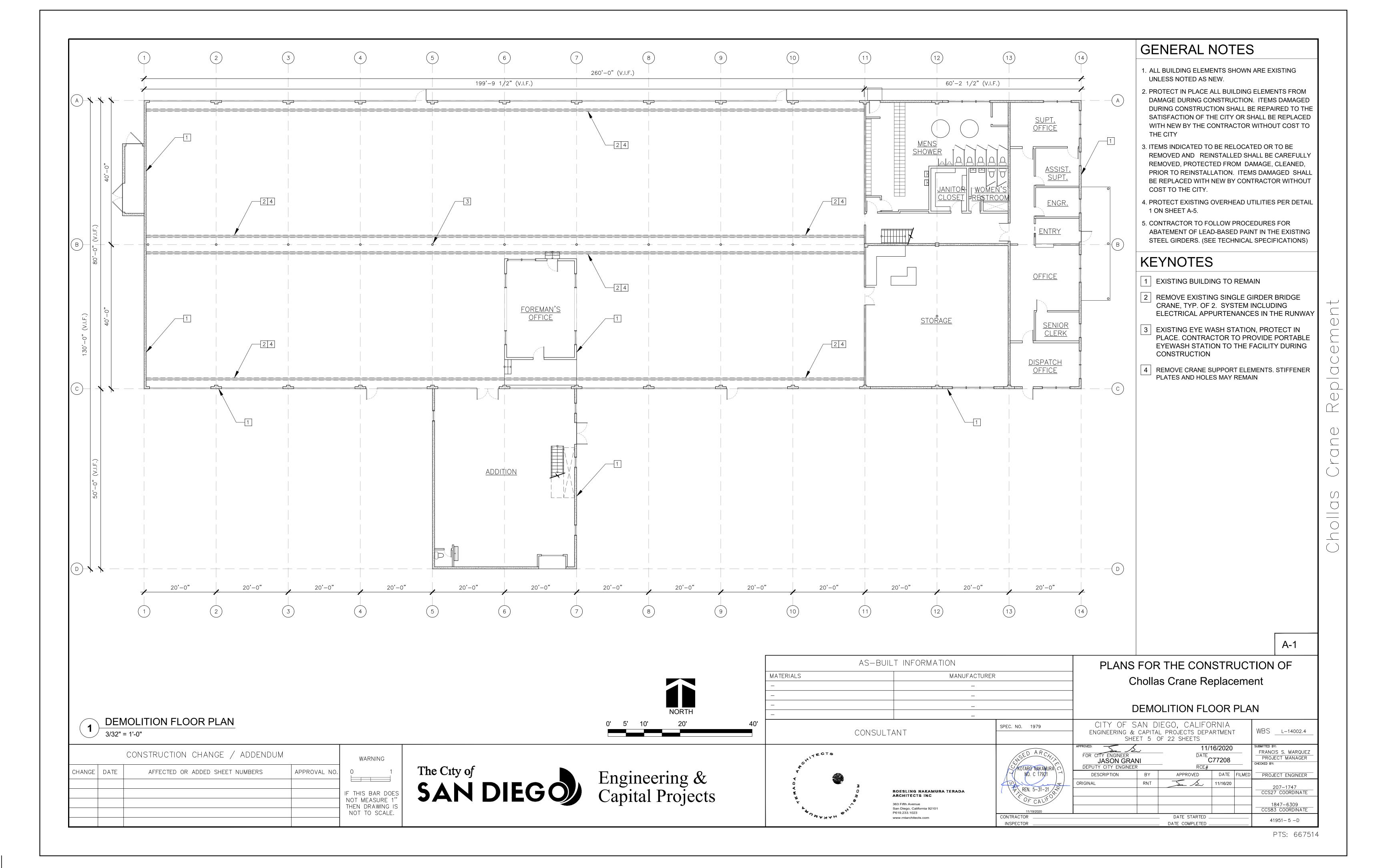
and drinks for consumption, including stationary lunch counters and refreshment stands selling prepared foods and drinks for immediate consumption (SIC 5812), and where the land development creates and/or replace 5,000 square feet of more of impervious surface.

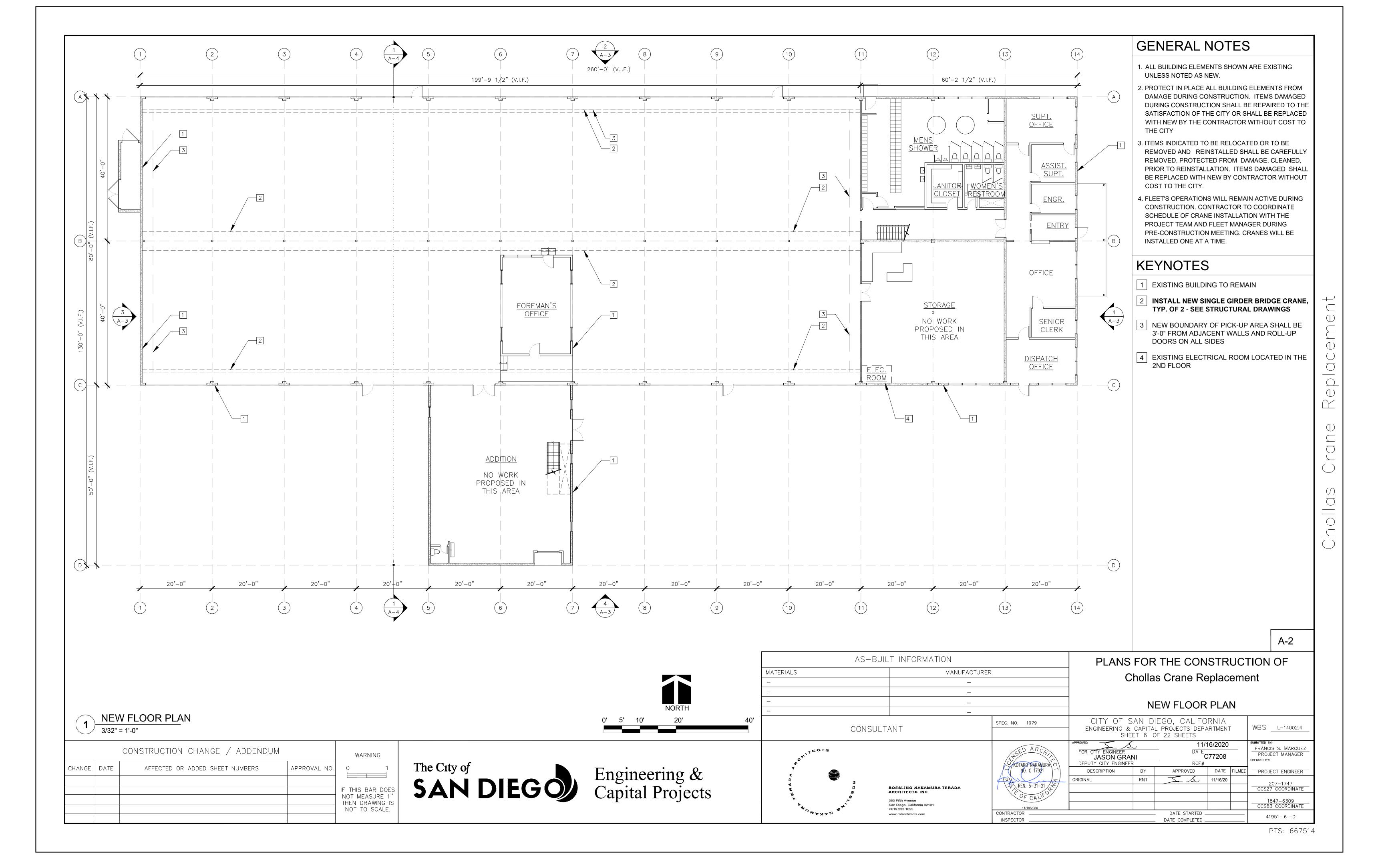
development projects on public or private land.

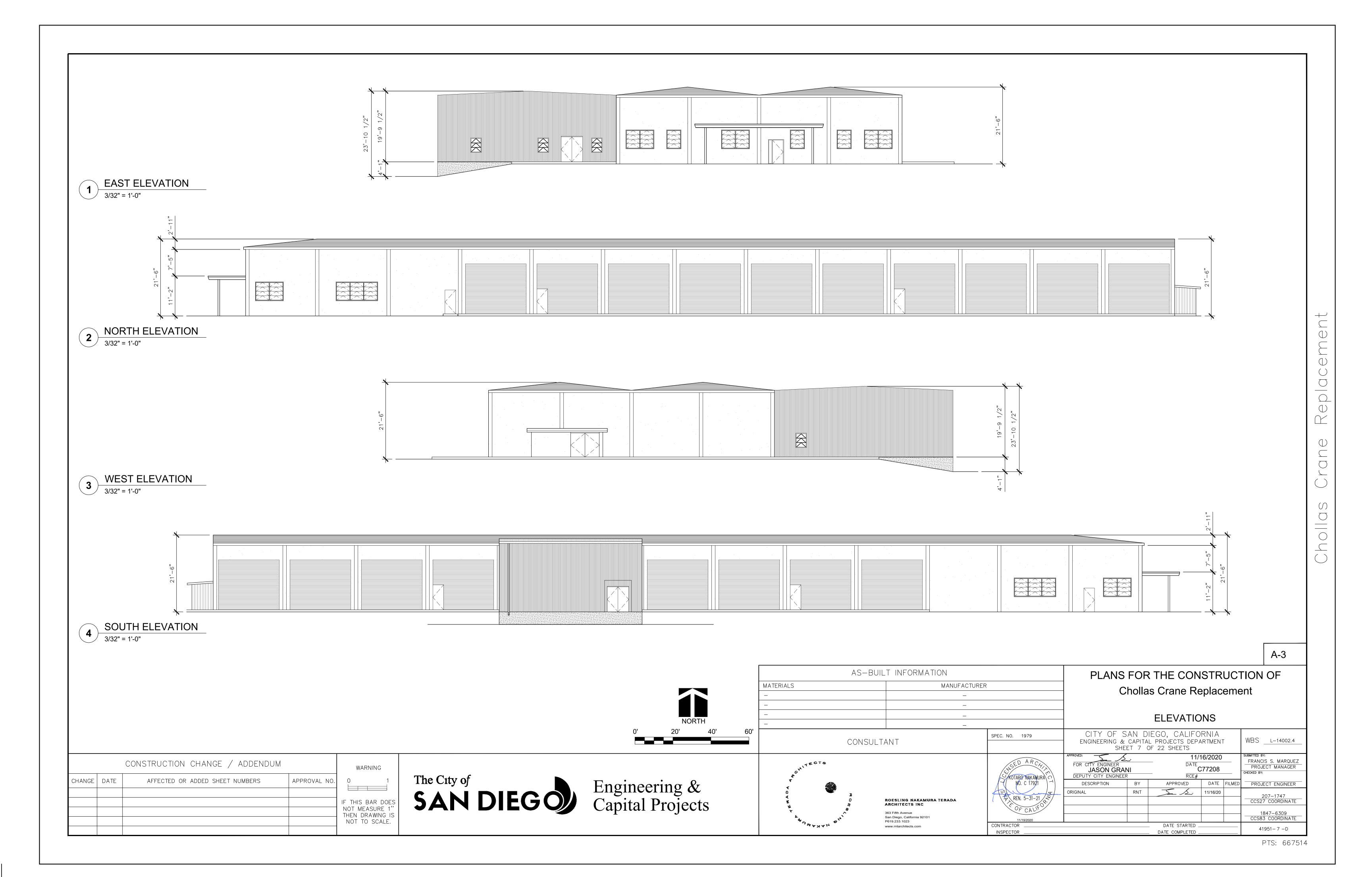


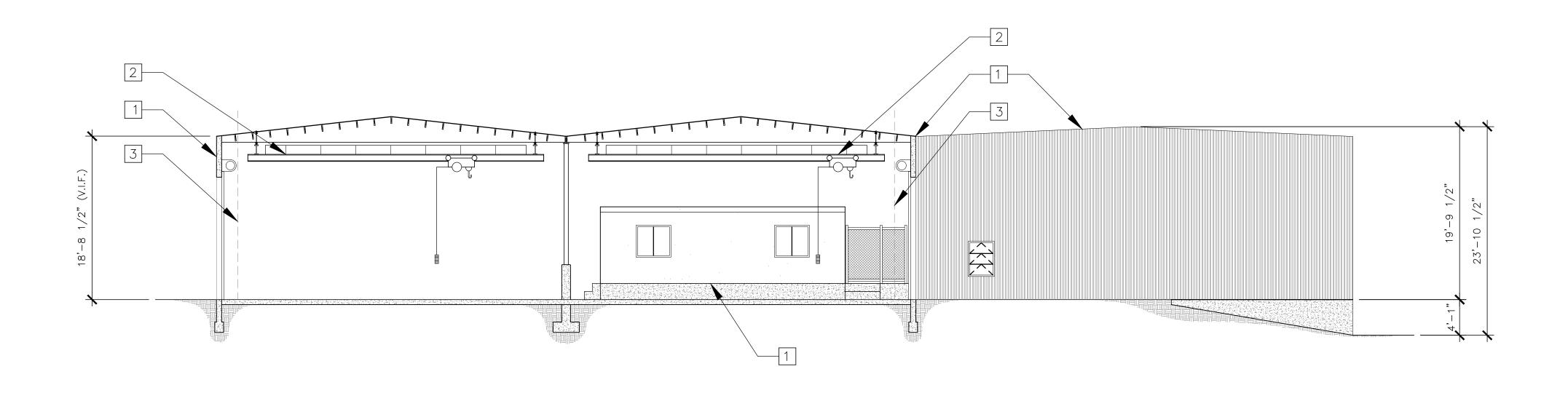
The City of Engineering & Capital Projects









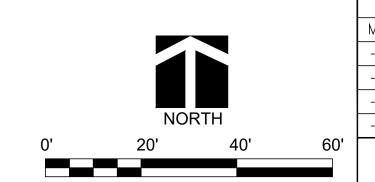


GENERAL NOTES

- 1. ALL BUILDING ELEMENTS SHOWN ARE EXISTING UNLESS NOTED AS NEW.
- 2. PROTECT IN PLACE ALL BUILDING ELEMENTS FROM DAMAGE DURING CONSTRUCTION. ITEMS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY OR SHALL BE REPLACED WITH NEW BY THE CONTRACTOR WITHOUT COST TO THE CITY
- 3. ITEMS INDICATED TO BE RELOCATED OR TO BE REMOVED AND REINSTALLED SHALL BE CAREFULLY REMOVED, PROTECTED FROM DAMAGE, CLEANED, PRIOR TO REINSTALLATION. ITEMS DAMAGED SHALL BE REPLACED WITH NEW BY CONTRACTOR WITHOUT COST TO THE CITY.

KEYNOTES

- 1 EXISTING BUILDING TO REMAIN
- 2 INSTALL NEW SINGLE GIRDER BRIDGE CRANE, TYP. OF 2 - SEE STRUCTURAL DRAWINGS
- 3 NEW BOUNDARY OF PICK-UP AREA SHALL BE 3'-0" FROM ADJACENT WALLS AND ROLL-UP DOORS ON ALL SIDES



AS-BUILT INFORMATION							
MATERIALS	MANUFACTURER						
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CONSULTANT

PLANS FOR THE CONSTRUCTION OF Chollas Crane Replacement

SECTIONS

		CONSTRUCTION CHANGE / ADDENDUM		WARNING	
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.	0 1	T
				IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.	S

CROSS SECTION

The City of SAN DIEGO	E
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Engineering & Capital Projects

			APPROVED:
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		KOTARO NAKANURA	DEPU
		NO. C 17921	
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O M	ROESLING NAKAMURA TERADA ARCHITECTS INC	REN. 5-31-21	
9	363 Fifth Avenue	OF CALIFO	
	San Diego, California 92101 P619.233.1023	11/19/2020	
	www.rntarchitects.com	CONTRACTOR	
		INSPECTOR	

KOTARO NAKAMURA	FOR CITY ENGINEE JASON G DEPUTY CITY ENG
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CITY OF S ENGINEERING & SHEE	WBSL-14002.4							
APPROVED: FOR CITY ENGINEER JASON GRANI DEPUTY CITY ENGINEER		11/16/2020 DATE C77208 RCE#			SUBMITTED BY: FRANCIS S. MARQUEZ PROJECT MANAGER CHECKED BY:			
DESCRIPTION	BY	APPROVED	DATE	FILMED	PROJECT ENGINEER			
ORIGINAL	RNT	Se Se	11/16/20		207-1747 CCS27 COORDINATE			
					1847-6309 CCS83 COORDINATE			
DATE STARTED					41951-8-D			

DATE COMPLETED _



- ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH ANY WORK SO INVOLVED.
- NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES AND TYPICAL DETAILS IN CASE OF CONFLICT.
- 4. IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM PLANS. SECTIONS OR DETAILS ON THESE STRUCTURAL DRAWINGS.
- ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH LOCAL STANDARDS AND THE APPLICABLE PROVISIONS OF THE 2019 CALIFORNIA BUILDING CODE (CBC) AS AMENDED BY THE CITY OF SAN DIEGO.
- 6. WHERE NO CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF THE WORK. SUCH DETAILS SHALL BE THE SAME AS FOR SIMILAR WORK SHOWN ON THE DRAWINGS. MEMBER SIZES ARE GENERALLY FOUND ON PLANS. DETAILS AND SECTIONS GENERALLY REFER TO GENERIC ELEMENTS.
- THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE, UNLESS OTHERWISE INDICATED. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKMEN, AND OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR CONSTRUCTION EQUIPMENT, SHORING FOR THE BUILDING, SHORING FOR EARTH BANKS, FORMS, SCAFFOLDING, PLANKING, SAFETY NETS, SUPPORT AND BRACING FOR CRANES AND GIN POLES, ETC THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND HE OR SHE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE ENGINEER SHALL NOT CONSTITUTE INSPECTION OF THE ABOVE ITEMS.
- THE PROJECT SPECIFICATIONS FORM A PART OF THESE GENERAL NOTES.
- 9. THIS STRUCTURE IS DEPENDENT UPON DIAPHRAGM ACTION FOR LATERAL STABILITY. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ADEQUATE ERECTION SHORING AND BRACING AS REQUIRED FOR STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION.
- 10. NOTIFY THE STRUCTURAL ENGINEER WHEN DRAWINGS BY OTHERS SHOW OPENINGS, POCKETS, ETC, NOT SHOWN ON THE STRUCTURAL DRAWINGS, BUT WHICH ARE LOCATED IN THE STRUCTURAL MEMBERS.
- 11. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING UTILITIES IN THE WORK AREA AND SHALL REPAIR ANY DAMAGE CAUSED BY HIS OR HER OPERATIONS AT HIS OR HER OWN COST.
- 12. ALL SPECIFICATION AND CODES NOTED SHALL BE THE LATEST APPROVED EDITIONS AND REVISIONS BY THE GOVERNMENTAL AGENCY HAVING JURISDICTION OVER THIS PROJECT.
- 13. SEE THE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:

SIZE AND LOCATION OF DOOR AND WINDOW OPENINGS. SIZES AND LOCATION OF INTERIOR AND EXTERIOR NON-BEARING PARTITIONS. SIZES AND LOCATIONS OF CONCRETE CURBS, FLOOR DRAINS, SLOPES, DEPRESSED AREAS, CHANGES IN LEVEL, CHAMFERS, GROOVES, INSERTS, ETC. SIZE AND LOCATION OF FLOOR AND ROOF OPENINGS. FLOOR AND ROOF FINISHES. DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS. EXTERIOR WALL ASSEMBLIES.

14. SEE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR THE FOLLOWING:

GENERAL (CONTINUED)

PIPE SLEEVES, HANGERS, TRENCHES, WALL FLOOR AND ROOF OPENINGS, DUCT PENETRATION ETC, EXCEPT AS SHOWN OR NOTED ELECTRICAL CONDUIT RUNS, BOES, OUTLES IN WALLS AND SLABS.

- 15. SHOP DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW.
- NOTICE TO THE APPLICANT/OWNER/OWNER'S AGENT/ARCHITECT OR ENGINEER OF RECORD: BY USING THESE PERMITTED CONSTRUCTION DRAWINGS FOR CONSTRUCTION/INSTALLATION OF THE WORK SPECIFIED HEREIN, YOU AGREE TO COMPLY WITH THE REQUIREMENTS OF CITY OF SAN DIEGO FOR SPECIAL INSPECTIONS, STRUCTURAL OBSERVATIONS, CONSTRUCTION MATERIAL TESTING AND OFF-SITE FABRICATION OF BUILDING COMPONENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS AND, AS REQUIRED BY THE CALIFORNIA CONSTRUCTION CODES.
- 17. NOTICE TO THE CONTRACTOR/BUILDER/INSTALLER/ SUB-CONTRACTOR/OWNER-BUILDER: BY USING THESE PERMITTED CONSTRUCTION DRAWINGS FOR CONSTRUCTION/INSTALLATION/ OF THE WORK SPECIFIED HEREIN, YOU ACKNOWLEDGE AND ARE AWARE OF, THE REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS. YOU AGREE TO COMPLY WITH THE REQUIREMENTS OF CITY OF SAN DIEGO FOR SPECIAL INSPECTIONS. STRUCTURAL OBSERVATIONS, CONSTRUCTION MATERIAL TESTING AND OFF-SITE FABRICATION OF BUILDING COMPONENTS, CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS AND, AS REQUIRED BY THE CALIFORNIA CONSTRUCTION CODES.

DESIGN CRITERIA

1. LIVE LOADS:

20 P.S.F.

CRANE LOAD DATA:

LIFT CAPACITY: 4000 LBS

3. SEISMIC DESIGN DATA:

RISK CATEGORY = II (CBC TABLE 1604.5) SITE CLASS = D (ASCE 20.3) MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS (ASCE 11.4.1) Ss = 0.986S1 = 0.344DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS (ASCE 11.4.4) SDS = 0.789

SD1 = NULLSITE COEFFICIENTS Fa = 1.2 (ASCE TABLE 11.4-1) Fv = NULL

NONSTRUCTURAL COMPONENTS: (ASCE CH.13)

SEISMIC DESIGN CATEGORY D (ASCE 11.6)

STRUCTURAL STEEL

- 1. ALL STRUCTURAL STEEL WIDE FLANGE BEAMS AND GIRDERS SHALL CONFORM TO ASTM A992, GRADE 50 U.O.N. AND SHALL BE FABRICATED ACCORDING TO AISC PRACTICE AND SPECIFICATIONS FOR BUILDINGS (UNLESS OTHERWISE SPECIFIED).
- STRUCTURAL STEEL PLATES, CHANNELS, AND ANGLES SHALL CONFORM TO ASTM A36 Fy = 36 K.S.I.
- ALL STRUCTURAL HOLLOW TUBES SHALL CONFORM TO ASTM A 500 GRADE B.
- BOLTS SHALL CONFORM TO ASTM A307, U.O.N. ALL BOLTS SHALL BE INSTALLED WITH CUT STEEL WASHERS. BOLT HOLES SHALL BE 1/16-INCH LARGER THAN THE BOLT DIAMETER AND OVERSIZED ACCORDING TO AISC 360 TABLE J3.3.

STRUCTURAL STEEL (CONTINUED)

- 5. ALL WELDING SHALL BE PERFORMED BY CERTIFIED OPERATORS UNDER THE SUPERVISION OF AN APPROVED FABRICATOR USING THE ELECTRIC SHIELDED ARC PROCESS AS FORMULATED BY THE AMERICAN WELDING SOCIETY.
- STEEL SHALL BE IDENTIFIED BY HEAT OR MELT NUMBERS AND SHALL BE ACCOMPANIED BY TEST REPORTS.
- 7. AISC STANDARD BEAM CONNECTIONS SHALL BE USED FOR CONNECTIONS NOT SHOWN (AISC STEEL CONSTRUCTION MANUAL, 14TH EDITION OR EQUAL) USING 3/4-INCH BOLTS.
- 8. ALL STEEL SHALL BE FABRICATED TO FIT TOGETHER PLUMB AND TRUE IN THE FIELD WITHOUT ALTERATION.
- WELDING ELECTRODES FOR MANUAL SHIELDED METAL-ARC WELDING SHALL CONFORM TO SPECIFICATIONS FOR MILD STEEL COVERED ARC WELDING ELECTRODES, AWS A5.1, OR SPECIFICATION FOR LOW-ALLOY STEEL COVERED ARC-WELDING ELECTRODES AWS A5.5. ELECTRODES SHALL BE E70 SERIES.
- 10. ELECTRODES USED IN THE GAS METAL ARC PROCESS SHALL CONFORM TO SPECIFICATION FOR MILD STEEL ELECTRODES FOR GAS METAL-ARC WELDING AWS A5.18.
- 11. ALL TESTING AND WELDING OF STRUCTURAL STEEL AND ALL CERTIFICATION OF WELDERS SHALL BE PER AWS D1.1. REFER TO SPECIAL INSPECTION NOTES FOR ADDITIONAL WELDING REQUIREMENTS.
- 12. ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE SEISMIC FORCE RESISTING SYSTEM SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT-LBS AT MINUS 20°F, AS DETERMINED BY AWS CLASSIFICATION OR MANUFACTURER CERTIFICATION.
- 13. AN ERECTION PLAN PREPARED BY A REGISTERED CIVIL OR STRUCTURAL ENGINEER INCORPORATING ALL LOCAL, STATE AND FEDERAL SAFETY REQUIREMENTS, SHALL BE SUBMITTED TO THE BUILDING INSPECTION DEPARTMENT OF THE CITY OF SAN DIEGO.
- 14. STRUCTURAL STEEL SURFACES THAT ARE NOT EXPOSED TO WEATHER SHALL BE PRIMED AND LEFT UNPAINTED. U.O.N. SEE ARCHITECTURAL DRAWINGS FOR ANY ADDITIONAL REQUIREMENTS.
- 15. STRUCTURAL STEEL SURFACES EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED.
- 16. EXCEPT AS SUBSEQUENTLY NOTED. HIGH STRENGTH BOLTS NEED NOT BE TIGHTENED BEYOND THE SNUG-TIGHT CONDITION, AS DEFINED IN SECTION J3.1 OF AISC 360 AND RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS (RCSC) SPECIFICATION.
- 17. SHOP DRAWINGS SHALL BE REVIEWED BY ENGINEER PRIOR TO FABRICATION.

SCOPE OF WORK AND CRANE PERFORMANCE SPECIFICATION

THE FOLLOWING NOTES LIST THE SCOPE OF WORK AND MINIMUM REQUIREMENTS FOR THE (2) PROPOSED CRANES IN THE VEHICLE MAINTENANCE SHOP. REFER TO CRANE SPECIFICATION FOR ADDITIONAL INFORMATION. CRANE MANUFACTURER SHALL SUPPLY GENERAL ARRANGEMENT DRAWING SPECIFICALLY NOTING ITEMS BELOW TO CLIENT FOR REVIEW.

- 1. SCOPE OF WORK:
 - PRIOR TO BEGINNING DEMOLITION AND FABRICATION CONTRACTOR SHALL PERFORM FIELD VERIFICATION OF EXISTING CONDITIONS. IDENTIFY ANY CONFLICTS AND RELOCATE UTILITIES AS NEEDED.

MATERIALS

B) DEMOLISH (2) EXISTING 2 TON UNDER-RUNNING BRIDGE CRANES, SUPPORTS AND RELATED ELEMENTS I.E. ELECTRICAL, ETC

SCOPE OF WORK AND CRANE PERFORMANCE SPECIFICATION (CONTINUED)

- C) FABRICATE AND INSTALL NEW CRANE SUPPORTS AND BRACING. PRIOR TO FABRICATION OF CRANE SUPPORTS AND BRACING ELEMENTS THE APPROVED/PERMITTED CRANE AND RUNWAY SYSTEM DRAWINGS SHALL BE REVIEWED BY THE S.E.O.R. FOR COORDINATION. CONTRACTOR SHOULD NOTE THAT STRUCTURAL CRANE SUPPORT AND BRACING DETAILS SHOWN HEREIN ARE SUBJECT TO CHANGE BASED ON THIS REVIEW.
- INSTALL NEW ELECTRICAL REQUIRED FOR CRANE OPERATION. ELECTRICAL SYSTEM SHALL BE COORDINATED WITH CRANE MANUFACTURER PRIOR TO FABRICATION OR INSTALLATION.
- MANUFACTURE AND INSTALL (2) UNDER-RUNNING SINGLE GIRDER BRIDGE CRANES WITH A RATED LIFT CAPACITY OF 2 TONS AND RUNWAY BEAMS WITH END STOPS. CONTRACTOR SHALL SUBMIT NEW CRANES TO THE CITY OF SAN DIEGO. DEVELOPMENT SERVICES DEPARTMENT UNDER A SEPARATE PERMIT.
- PERFORM REQUIRED TESTING OF NEW CRANES.
- REFER TO PLANS AND CRANE ELEVATION FOR CONFIGURATION INFORMATION. ALL DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO APPROVAL OF GENERAL ARRANGEMENT DRAWINGS AND FABRICATION.
- CRANE WHEEL LOADS SHALL BE LIMITED TO 1500 LB DEAD LOAD AND 2000 LB LIFT LOAD (LIVE LOAD) PER WHEEL, ASSUMING 2 WHEELS PER ENDTRUCK.
- RUNWAY BEAMS SELF-WEIGHT SHALL BE LIMITED TO 35 LB PER FOOT ±10%.
- LOADS TO SUPPORTING GIRDER DUE TO CRANE AND RUNWAY SHALL NOT EXCEED 3450 LB DEAD LOAD AND 3500 LB LIFT LOAD (LIVE LOAD).
- HEIGHT TO PALM OF HOOK FROM (E) FINISHED FLOOR SHALL BE 13 FEET MINIMUM.
- 7. HOIST SHALL PROVIDE TRUE VERTICAL LIFT.
- BRIDGE CRANE BETWEEN GRIDS A AND B SHALL HAVE AUTOMATIC CONTROL TO LIMIT LOADED CRANE TRAVEL OVER (E) OFFICE SPACE BETWEEN GRIDS 6 AND 7. CONTROL SHALL ONLY ALLOW TRAVEL OVER OFFICE SPACE WHEN HOIST IS FULLY RETRACTED AND UNLOADED.
- REQUIRED BRIDGE SPEED: 100-200 FEET PER MINUTE REQUIRED TROLLEY SPEED: 10-50 FEET PER MINUTE REQUIRED HOIST SPEED: 10-50 FEET PER MINUTE
- 10. CRANES SHALL BE REMOTE-CONTROLLED WITH PENDANT CONTROL BACKUP. PROVIDE (2) REMOTE-CONTROL UNITS PER EACH CRANE. CONTROLS SHALL BE CONFIGURED SUCH THAT CRANES CAN RUN SIMULTANEOUSLY.
- 11. TROLLEYS SHALL BE POWERED BY FESTOONED CABLES. BRIDGES SHALL BE POWERED BY BUS BARS.
- 12. TESTING AND CERTIFICATION TO COMPLY WITH OSHA STANDARD 1910.179-OVERHEAD AND GANTRY CRANES.
- 13. PREFERRED MANUFACTURER SHOULD BE NAME BRAND EQUIPMENT UTILIZING THE LATEST MODEL, UPGRADES OR GENERATION AVAILABLE WITH MULTIPLE VENDORS STOCKING PARTS. CRANE SUPPLIER TO BE:

KONE CRANE, NORTHERN CRANE, ACE CRANE, OR APPROVED

MANUFACTURER

AS-BUILT INFORMATION

DRILLED IN ANCHORS AND BARS

- 1. ALL ANCHORS SHALL BE ICC APPROVED.
- ALL ANCHORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S APPROVED RESEARCH REPORT. SUBSTITUTIONS ARE REQUIRED TO BE REVIEWED BY THE ENGINEER TO A SIMILAR ACCEPTABLE PERFORMANCE IN ACCORDANCE WITH THE APPROPRIATE ICC-ES REPORT.
- DRILLED IN CONCRETE WEDGE ANCHORS SHALL BE: HILTI KWIK BOLT TZ . . . ESR-1917
- UNLESS OTHERWISE SHOWN. PROVIDE A MINIMUM OF 6xDIAMETER EDGE DISTANCES AND 12xDIAMETER SPACING OF ANCHORS.
- 5. FOR EXTERIOR USE DRILLED IN ANCHORS AND THREADED ROD ASSEMBLIES SHALL BE STAINLESS STEEL.
- DRILLED IN ANCHORS SHALL NOT BE INSTALLED IN CONCRETE OR MASONRY THAT HAS NOT REACHED THE SPECIFIED 28-DAY STRENGTH.
- SPECIAL INSPECTION IN ACCORDANCE WITH TABLE 1705.3 OF THE CBC MUST BE PROVIDED FOR ALL ANCHOR INSTALLATIONS. THE SPECIAL INSPECTOR MUST BE ON THE JOBSITE DURING ANCHOR INSTALLATION TO VERIFY ANCHOR TYPE, ANCHOR DIMENSIONS, CONCRETE TYPE, CONCRETE COMPRESSIVE STRENGTH, HOLE DIMENSIONS, HOLE CLEANING PROCEDURES, ANCHOR SPACING, EDGE DISTANCES, CONCRETE THICKNESS, ANCHOR EMBEDMENT AND TIGHTENING TORQUE. THE SPECIAL INSPECTOR MUST VERIFY THE INSTALLATIONS OF EACH TYPE AND SIZE OF ADHESIVE ANCHOR BY CONSTRUCTION PERSONNEL ON SITE.

STRUCTURAL DEMOLITION

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING METHODS OF DEMOLITION SO THAT THE REMAINING STRUCTURE WILL NOT BE IMPAIRED OR DAMAGED.
- SAWCUTTING AND CORING SHALL BE UTILIZED TO THE FULLEST EXTENT POSSIBLE. ISOLATE CONSTRUCTION TO BE REMOVED FROM THE STRUCTURE TO REMAIN.
- OVERCUT OPENINGS AS INDICATED. USE APPROPRIATE SIZE CORES AT CORNERS SO THAT RUN BY OF SAWCUTS WILL NOT BE NECESSARY. USE CHIPPING TOOLS WHERE CORNERS ARE REQUIRED TO BE SQUARE.
- SELECT METHODS OF TRANSPORTING DEBRIS THROUGH THE BUILDING WHICH WILL NOT OVERLOAD THE STRUCTURE.
- PROVIDE SHORING REQUIRED TO SUPPORT THE STRUCTURE WHEN NEW WORK TO STRENGTHEN THE STRUCTURE CANNOT BE INSTALLED PRIOR TO DEMOLITION. MAINTAIN SHORING UNTIL NEW WORK HAS ATTAINED DESIGN STRENGTH.
- WHERE INDICATED TO BE DEMOLISHED, EXISTING CONSTRUCTION SHALL BE REMOVED TO A LEGAL DUMP SITE.
- MAINTAIN THE WORK AREA AS A SAFE ENVIRONMENT BY DISPOSING OF MATERIALS ON A REGULAR BASIS.

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PLANS FOR THE CONSTRUCTION OF Chollas Crane Replacement

GENERAL NOTES

MARTIN & LIBBY

STRUCTURAL ENGINEERS 4452 Glacier Avenue, San Diego, CA 92120 Ph (619) 280-9307 F (619) 284-3533 Job No 7259.01

CONSULTANT

Jan Mis dilla CONTRACTOR _

SPEC. NO.

INSPECTOR

WBS L-14002.4 ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 10 OF 22 SHEETS 11/16/2020 Σ. /2.· FRANCIS S. MARQUEZ FOR CITY ENGINEER
JASON GRANI DATE C77208 PROJECT MANAGER DEPUTY CITY ENGINEER DATE FILMED PROJECT ENGINEER DESCRIPTION BY APPROVED 11/16/20 Se 2. 207-1747 CCS27 COORDINATE 1847-6309 CCS83 COORDINATE DATE STARTED. 41951- 10 -D DATE COMPLETED

CITY OF SAN DIEGO, CALIFORNIA

PTS: 667514

CONSTRUCTION CHANGE / ADDENDUM CHANGE DATE APPROVAL NO. AFFECTED OR ADDED SHEET NUMBERS

WARNING

NOT TO SCALE.

IF THIS BAR DOES NOT MEASURE 1' THEN DRAWING IS

The City of SAN DIEGO Engineering & Capital Projects

- 1. THE SPECIAL INSPECTIONS AND TESTS LISTED ARE IN ADDITION TO THE CALLED INSPECTIONS AND TESTS REQUIRED BY CHAPTER 17 OF THE CBC, AS AMENDED. SPECIAL INSPECTION IS NOT A SUBSTITUTE FOR INSPECTION BY A CITY INSPECTOR.
- CONTINUOUS INSPECTION IS ALWAYS REQUIRED DURING THE PERFORMANCE OF THE WORK UNLESS OTHERWISE SPECIFIED. WHEN WORK IN MORE THAN ONE CATEGORY OF WORK REQUIRING SPECIAL INSPECTION IS TO BE PERFORMED SIMULTANEOUSLY, OR THE GEOGRAPHIC LOCATION OF THE WORK IS SUCH THAT IT CANNOT BE CONTINUOUSLY OBSERVED IN ACCORDANCE WITH THE PROVISIONS OF CBC CHAPTER 17, IT IS THE AGENT'S RESPONSIBILITY TO EMPLOY A SUFFICIENT NUMBER OF INSPECTORS TO ASSURE THAT ALL THE WORK IS INSPECTED IN ACCORDANCE WITH THOSE PROVISIONS.
- 3. THE SPECIAL INSPECTORS MUST BE CERTIFIED BY THE CITY OF SAN DIEGO TO PERFORM THE TYPE OF INSPECTION SPECIFIED. **EXCEPTIONS:**
 - A. SOILS INSPECTIONS BY THE SOILS ENGINEER OF RECORD.
 - WHEN WAIVED BY THE BUILDING OFFICIAL.
- 4. THE CONSTRUCTION MATERIALS TESTING LABORATORY MUST BE APPROVED BY THE CITY OF SAN DIEGO, DEVELOPMENT SERVICES, FOR TESTING OF MATERIALS, SYSTEMS, COMPONENTS, AND EQUIPMENT.
- 5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE SPECIAL INSPECTOR OR INSPECTION AGENCY AT LEAST ONE WORKING DAY PRIOR TO PERFORMING ANY WORK THAT REQUIRES SPECIAL INSPECTION.
- SPECIALLY INSPECTED WORK THAT IS INSTALLED OR COVERED WITHOUT THE APPROVAL OF THE CITY INSPECTOR IS SUBJECT TO REMOVAL OR EXPOSURE.
- 7. THE SPECIAL INSPECTOR SHALL SUBMIT IN WRITING A REPORT OF SPECIAL INSPECTIONS AND TESTS TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.
- THE INSPECTOR SHALL REPORT IN ADVANCE THEIR ASSIGNMENT TO THE CITY OF SAN DIEGO INSPECTION SERVICES DIVISION.
- 9. A CERTIFICATE OF SATISFACTORY COMPLETION OF WORK REQUIRING SPECIAL INSPECTION MUST BE COMPLETED AND SUBMITTED TO THE INSPECTION SERVICES DIVISION.
- 10. AN APPLICATION FOR OFF-SITE FABRICATION MUST BE SUBMITTED TO THE INSPECTION SERVICES DIVISION FOR APPROVAL PRIOR TO FABRICATION.
- 11. A CERTIFICATE OF COMPLIANCE FOR OFF-SITE FABRICATION MUST BE COMPLETED AND SUBMITTED TO THE INSPECTION SERVICES DIVISION PRIOR TO ERECTION OF PREFABRICATED COMPONENTS.
- 12. SPECIAL INSPECTOR SHALL BE HIRED BY THE OWNER (CBC SECTION 1704).
- 13. IN ADDITION TO THE SUBMITTAL OF REPORTS OF SPECIAL INSPECTIONS AND TESTS IN ACCORDANCE WITH CBC SECTION 1704.2.4, REPORTS AND CERTIFICATES SHALL BE SUBMITTED BY THE OWNER OR THE OWNER'S AUTHORIZED AGENT TO THE BUILDING OFFICIAL FOR EACH OF THE FOLLOWING:
 - CERTIFICATES OF COMPLIANCE FOR THE FABRICATION OF STRUCTURAL, LOAD-BEARING OR LATERAL LOAD-RESISTING MEMBERS OR ASSEMBLIES ON THE PREMISES OF A REGISTERED AND APPROVED FABRICATOR: CBC SECTION 1704.2.5.1.

SPECIAL INSPECTIONS AND TESTS (CONTINUED)

- REQUIRED VERIFICATION, TESTING, QUALIFICATION AND/OR SPECIAL INSPECTION OF ELEMENTS AND NONSTRUCTURAL COMPONENTS OF BUILDINGS AND STRUCTURES SHALL BE IN ACCORDANCE WITH FOLLOWING:
 - A. STRUCTURAL STEEL, HIGH STRENGTH BOLTING AND WELDING: CBC SECTION 1705.2.1 AND THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF AISC 360.
 - CONCRETE CONSTRUCTION: CBC SECTION 1705.3 AND TABLE
 - 1. POST INSTALLED ANCHORS: TABLE 1705.3
- 15. CONTRACTOR OR CONSTRUCTION MANAGER SHALL PROVIDE A WRITTEN STATEMENT ACKNOWLEDGING SPECIAL INSPECTIONS. STATING QUALITY CONTROL PROCEDURES INCLUDING METHOD, FREQUENCY & DISTRIBUTION OF REPORTS. THE STATEMENT SHALL ALSO IDENTIFY INDIVIDUALS EXERCISING CONTROL INCLUDING QUALIFICATIONS AND POSITION IN ORGANIZATION. THIS SHALL BE SUBMITTED PRIOR TO THE START OF WORK.
- 16. ALL NDT PERFORMED SHALL BE DOCUMENTED PER SECTION N5.5G, AISC 360. FOR SHOP FABRICATION, THE NDT REPORT SHALL IDENTIFY THE TESTED WELD BY PIECE MARK AND LOCATION IN THE PIECE. FOR FIELD WORK, THE NDT REPORT SHALL IDENTIFY THE TESTED WELD BY LOCATION IN THE STRUCTURE. PIECE MARK, AND LOCATION IN THE PIECE.

REQUIRED VERIFICATION, SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION

(CBC TABLE	170	5.3)		
VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC	REFERENCED STANDARD ^o	IBC REFERENCE
1.INSPECT ANCHORS POST— INSTALLED IN HARDENED CONCRETE MEMBERS. ^b a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS. b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.a.	X	X	ACI 318: 17.8.2.4 ACI 318: 17.8.2	_

a. WHERE APPLICABLE, SEE ALSO SECTION 1705.12, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE

b. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI 318. OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF THE WORK.

SPECIAL INSPECTIONS AND TESTS (CONTINUED)

REQUIRED VERIFICATION AND INSPECTION OF STRUCTURAL STEEL (CBC 1705.2.1, 1705.11 & 1705.12.1)

VERIFICATION AND INSPECTION TASK	CONTIN- UOUS	PERI- ODIC
PRIOR TO WELDING (TABLE N5.4-1, AISC 360-10):		
VERIFY WELDING PROCEDURE SPECIFICATIONS (WPS) AND CERTIFICATIONS FOR WELDING CONSUMABLES.	X	-
MATERIAL IDENTIFICATION. VERIFY TYPE AND GRADE OF MATERIAL.	_	Χ
WELDER IDENTIFICATION. A SYSTEM SHALL BE MAINTAINED BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED.	-	X
FIT-UP GROOVE WELDS. VERIFY JOINT PREPARATION, JOINT GEOMETRY, DIMENSION, CLEANLINESS, TACKING, AND BACKING TYPE AND FIT.	-	Х
VERIFY CONFIGURATION AND FINISH OF ACCESS HOLES.	_	X
FIT-UP OF FILLET WELDS. VERIFY ALIGNMENT, GAPS AT ROOT, CLEANLINESS OF STEEL SURFACES, AND TACK WELD QUALITY AND LOCATION.	_	X
CHECK WELDING EQUIPMENT.	_	Х
DURING WELDING (TABLE N5.4-2, AISC 360-10):		
USE OF QUALIFIED WELDERS.	_	Х
CONTROL AND HANDLING OF WELDING CONSUMABLES: VERIFY PACKAGING AND EXPOSURE CONTROL.	_	Χ
VERIFY THAT WELDING DOES NOT OCCUR OVER CRACKED TACK WELDS.	_	X
ENVIRONMENTAL CONDITIONS: VERIFY WIND SPEED IS WITHIN LIMITS, PRECIPITATION AND TEMPERATURE.	-	Χ
WPS FOLLOWED: VERIFY SETTINGS ON WELDING EQUIPMENT, TRAVEL SPEED, WELDING MATERIALS, SHIELDING GAS TYPE/FLOW RATE, PREHEAT APPLIED, INTERPASS TEMPERATURE MAINTAINED, AND PROPER POSITION.	_	X
WELDING TECHNIQUES: VERIFY INTERPASS, FINAL CLEANING AND THAT EACH PASS IS WITHIN PROFILE LIMITATIONS AND MEETS REQUIREMENTS.	-	X
AFTER WELDING (TABLE N5.4-3, AISC 360-10):		
VERIFY THAT WELDS HAVE BEEN PROPERLY CLEANED.	_	Χ
SIZE, LENGTH, AND LOCATION OF WELDS.	Χ	_
WELDS MEET VISUAL ACCEPTANCE CRITERIA.	Χ	-
ARC STRIKES.	Χ	_
K-AREA.	Χ	_
BACKING & WELD TABS REMOVED.	Χ	_
REPAIR ACTIVITIES.	Χ	_
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT/MEMBER.	Χ	_

STRUCTURAL OBSERVATION

- 1. STRUCTURAL OBSERVATION SHALL BE PROVIDED BY THE ENGINEER OF RECORD FOR THE FOLLOWING ITEMS:
- A. STRUCTURAL STEEL FRAMING
- STRUCTURAL OBSERVATION IS REQUIRED IN ADDITION TO CITY AND SPECIAL INSPECTIONS.
- STRUCTURAL OBSERVATION MEANS THE VISUAL OBSERVATION OF THE STRUCTURAL SYSTEM BY THE ENGINEER OF RECORD, FOR GENERAL CONFORMATION TO THE APPROVED PLANS AND SPECIFICATIONS, AT SIGNIFICANT CONSTRUCTION STAGES FOR THE ITEMS LISTED AND AT COMPLETION OF THE STRUCTURAL SYSTEM. STRUCTURAL OBSERVATION DOES NOT INCLUDE OR WAIVE THE RESPONSIBILITY FOR THE INSPECTIONS REQUIRED BY CHAPTER 17 OR OTHER SECTIONS OF THE CBC.
- 4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REQUEST STRUCTURAL OBSERVATION BY THE ENGINEER. THE ENGINEER SHALL BE GIVEN A MINIMUM OF 2 WORK DAYS NOTICE BY THE CONTRACTOR PRIOR TO PERFORMING STRUCTURAL OBSERVATION.

ABBREVIATIONS

GRADE

HOLLOW STRUCTURAL SECTION

HEIGHT

INCH(ES)

JOINT

HORIZ (H) HORIZONTAL

& @ ADDL ARCH	AND AT ADDITIONAL ARCHITECT(URAL)	MATL MAX MECH MFR MIN	MATERIAL MAXIMUM MECHANICAL MANUFACTURER MINIMUM
BLDG BM	BUILDING BEAM	(N)	NEW
CBC	CALIFORNIA BUILDING CODE	NO (#) N.S.	NUMBER NEAR SIDE
C.L. (©) CLR COL CONC	CENTER LINE CLEAR(ANCE) COLUMN CONCRETE	O.C. O.H. OPNG OPP	ON CENTER OPPOSITE HAND OPENING OPPOSITE
CONST CONT	CONSTRUCT(ION) CONTINUOUS	PL PLYWD	PLATE PLYWOOD
DIA (Ø) DWG	DIAMETER DRAWING	REINF	REINFORCE(ING) (MENT)
EA E.F.	EACH EACH FACE	REQD	REQUIRED
E.F. EL EMBED E.O.R. EQ E.S. E.W. EXIST (E)	ELEVATION EMBED(ED)(MENT) ENGINEER OF RECORD EQUAL EACH SIDE EACH WAY	SECT SHT SIM S.O.G. SPEC SQ STD STIFF	SECTION SHEET SIMILAR SLAB ON GRADE SPECIFICATION SQUARE STANDARD STIFFEN(ER)
FDN	FOUNDATION	STL STRUCT	
F.F. FIN FLNG FLR F.O. F.O.C. F.P.M. F.S.	FINISHED FLOOR FINISH(ED) FLANGE FLOOR FACE OF FACE OF CONCRETE FEET PER MINUTE FAR SIDE FOOT	T.G. THK T.O. T.O.C. T.O.F. T.O.S. TOT	TAPERED GIRDER THICK(NESS) TOP OF TOP OF CONCRETE TOP OF FOOTING TOP OF STEEL TOTAL TYPICAL
FTG F.V.	FOOTING FIELD VERIFY	U.O.N.	UNLESS OTHERWISE NOTED

VERT (V) VERTICAL

S-2

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AS-BUIL	T INFORMATION	PLANS FOR THE CONSTRUCTION OF					
MATERIALS MANUFACTURER			Challes Crans Danlessmant				
-	-		Chollas Crane Replacement				
-	_						
_			GENERAL NOTES				
-	_		SEIVEI VIE IVOI ES				
CONSULTA	NT	SPEC. NO.	CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT	WBS <u>L-14002.4</u>			

CONSTRUCTION CHANGE / ADDENDUM CHANGE DATE APPROVAL NO. AFFECTED OR ADDED SHEET NUMBERS THEN DRAWING IS NOT TO SCALE.

WARNING IF THIS BAR DOES NOT MEASURE 1"

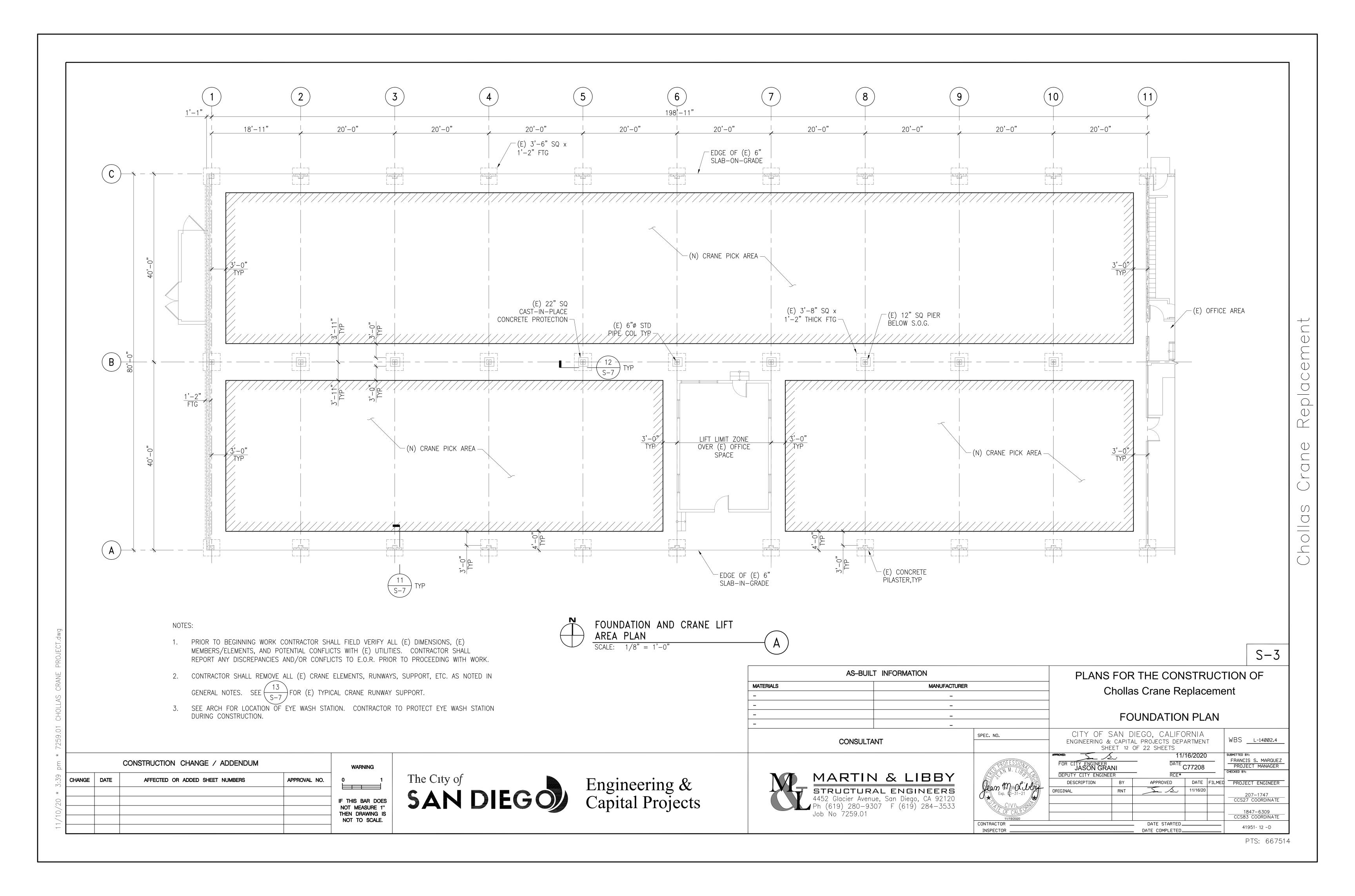
The City of SAN DIEGO Engineering & Capital Projects

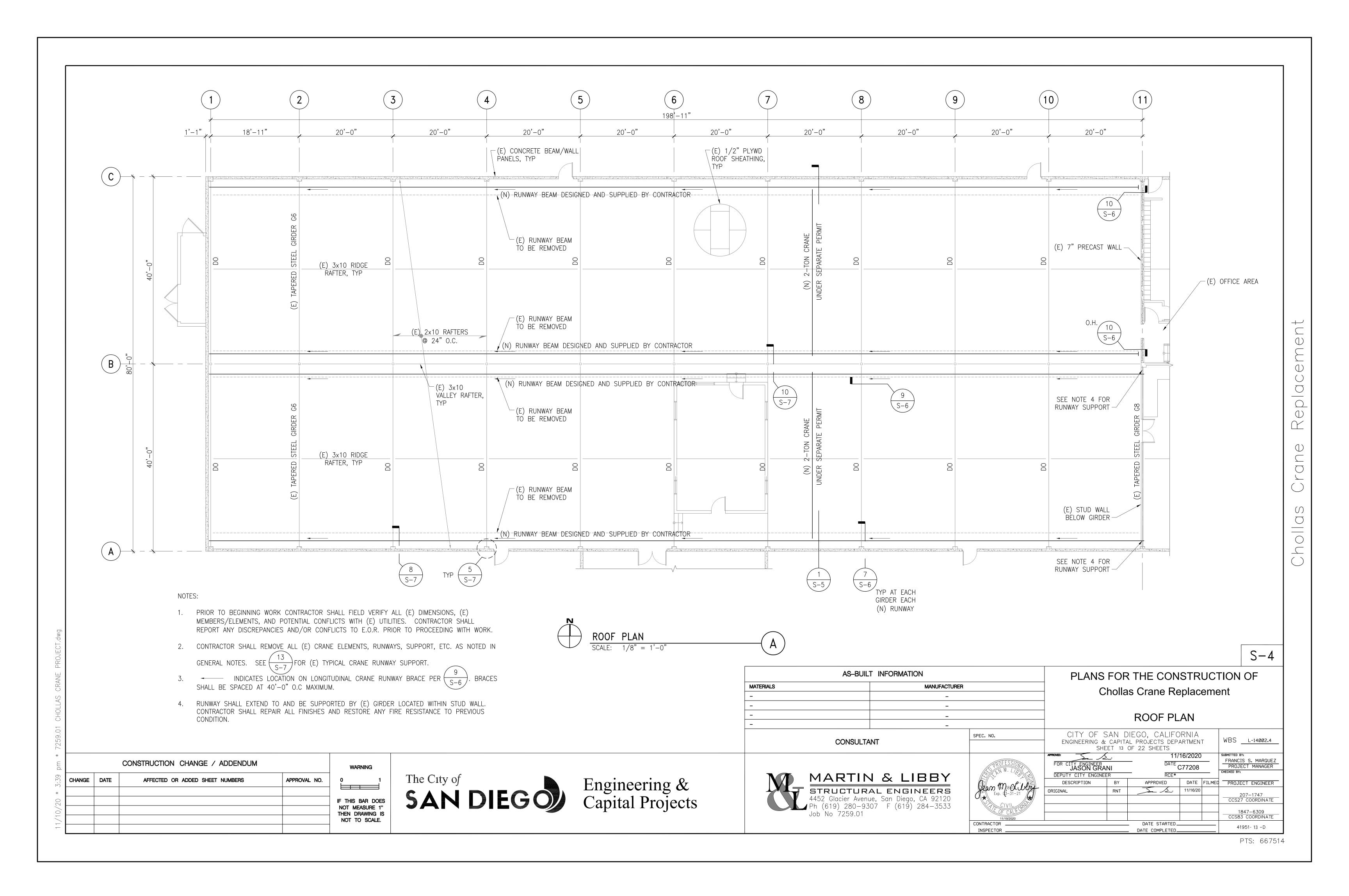
MARTIN & LIBBY STRUCTURAL ENGINEERS 4452 Glacier Avenue, San Diego, CA 92120 Ph (619) 280-9307 F (619) 284-3533 Job No 7259.01

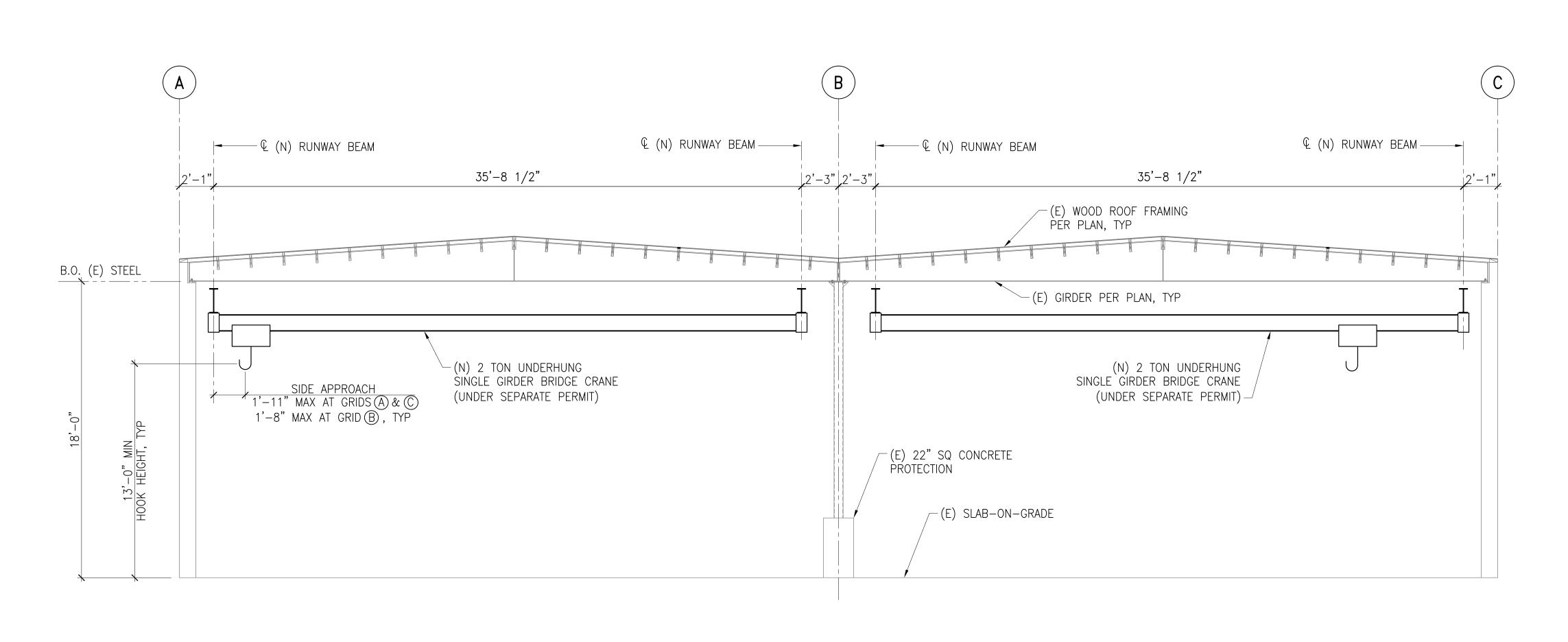
CONTRACTOR ___

INSPECTOR

SHEET 11 OF 22 SHEETS 11/16/2020 FRANCIS S. MARQUEZ FOR CITY ENGINEER
JASON GRANI DATE C77208 PROJECT MANAGER DEPUTY CITY ENGINEER DATE FILMED PROJECT ENGINEER DESCRIPTION APPROVED 11/16/20 CCS27 COORDINATE CCS83 COORDINATE DATE STARTED. 41951- 11 -D DATE COMPLETED







NOTES:

- 1. PRIOR TO BEGINNING WORK CONTRACTOR SHALL FIELD VERIFY ALL (E) DIMENSIONS, (E) MEMBERS/ELEMENTS, AND POTENTIAL CONFLICTS WITH (E) UTILITIES. CONTRACTOR SHALL REPORT ANY DISCREPANCIES AND/OR CONFLICTS TO E.O.R. PRIOR TO PROCEEDING WITH WORK.
- 2. REFER TO "SCOPE OF WORK AND CRANE PERFORMANCE SPECIFICATION" NOTES FOR NEW CRANE REQUIREMENTS AND SCOPE OF WORK.
- 3. REFER TO PLAN SHEETS FOR CRANE OPERATION AREA AND SUPPORT LOCATIONS.
- 4. PROVIDE 3" MINIMUM CLEAR BETWEEN CRANE ELEMENTS AND ADJACENT STRUCTURE.

NEW CRANE SECTION SCALE: 1/4" = 1'-0"

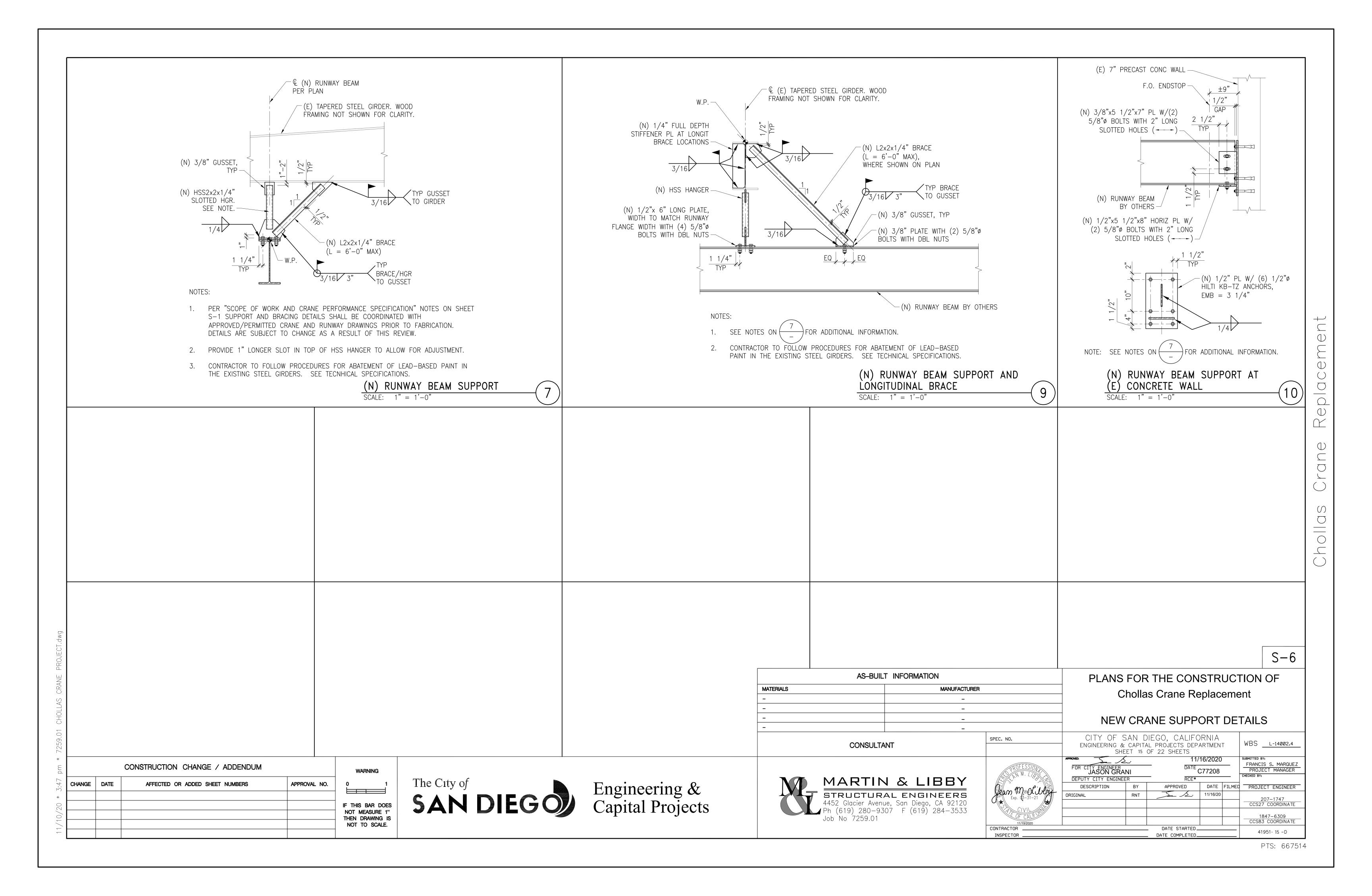
S-5

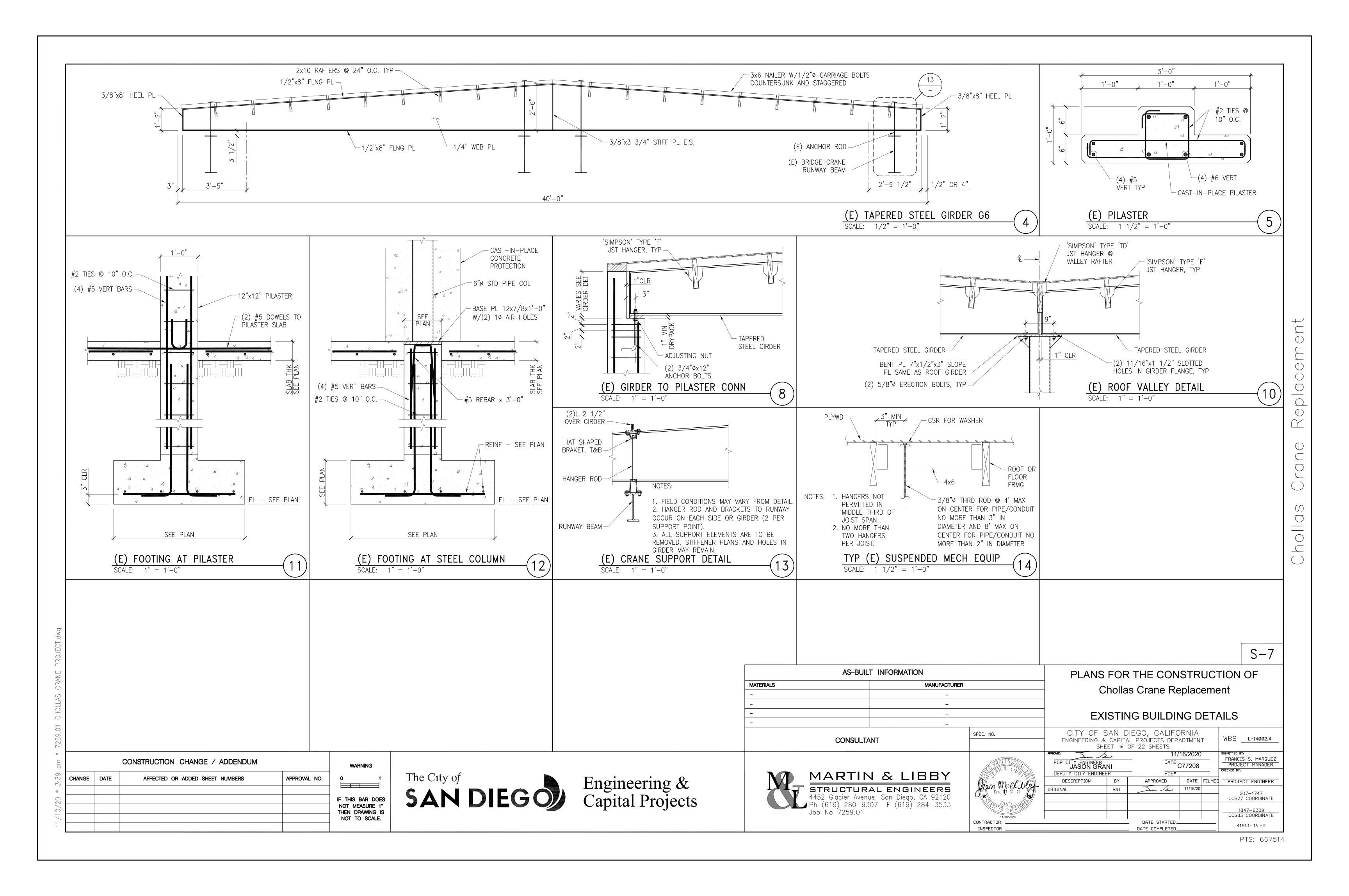
AS-BUIL	PLANS FOR THE CONSTRUCTION OF					TION OF		
MATERIALS	Challes Crops Depleasers							
-	_		Chollas Crane Replacement					
-	-							
-	_		CRANE SECTION					
-	_			O			•	
CONSULTA	SPEC. NO.	CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 14 OF 22 SHEETS					WBS <u>L-14002.4</u>	
STRUCTUR 4452 Glacier Avenu Ph (619) 280-93	LIBBY AL ENGINEERS Jue, San Diego, CA 92120 O7 F (619) 284-3533	Exp. (3-31-21	FOR CITY ENGINEER JASON GRA DEPUTY CITY ENGINE DESCRIPTION ORIGINAL		APPROVED	DATE 11/16/20	_	207-1747 CCS27 COORDINATE
Job No 7259.01		CONTRACTORINSPECTOR			_ DATE STARTED_ DATE COMPLETED_			1847-6309 CCS83 COORDINATE 41951- 14 -D

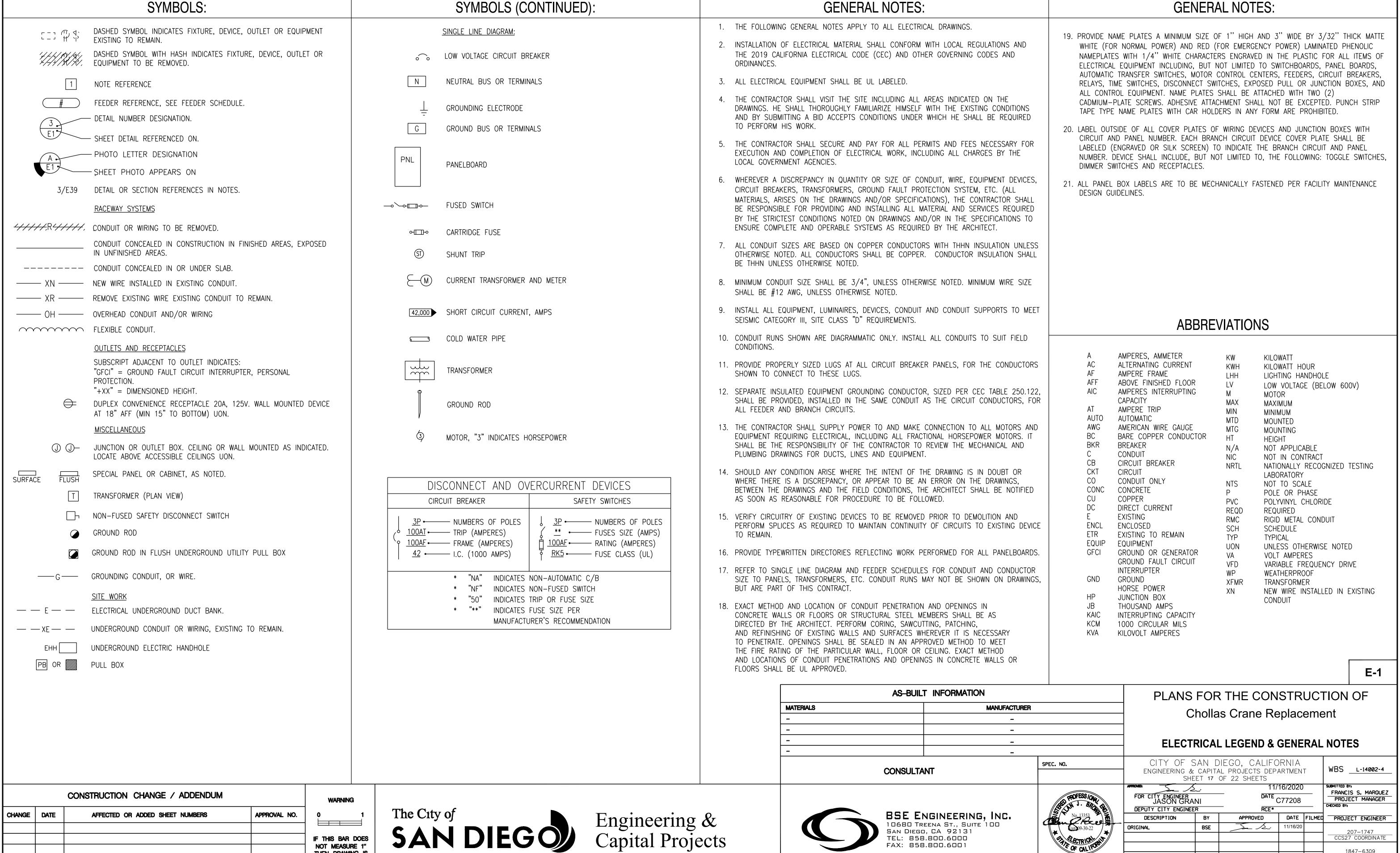
PTS: 667514

	WARNING			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.	0 1
				IF THIS BAR DOES NOT MEASURE 1"
				THEN DRAWING IS NOT TO SCALE.

The City of Engineering & Capital Projects







FAX: 858.800.6001

CONTRACTOR

INSPECTOR

BSE PROJECT NO. 19-308-1035

IF THIS BAR DOES

NOT MEASURE 1" THEN DRAWING IS

NOT TO SCALE.

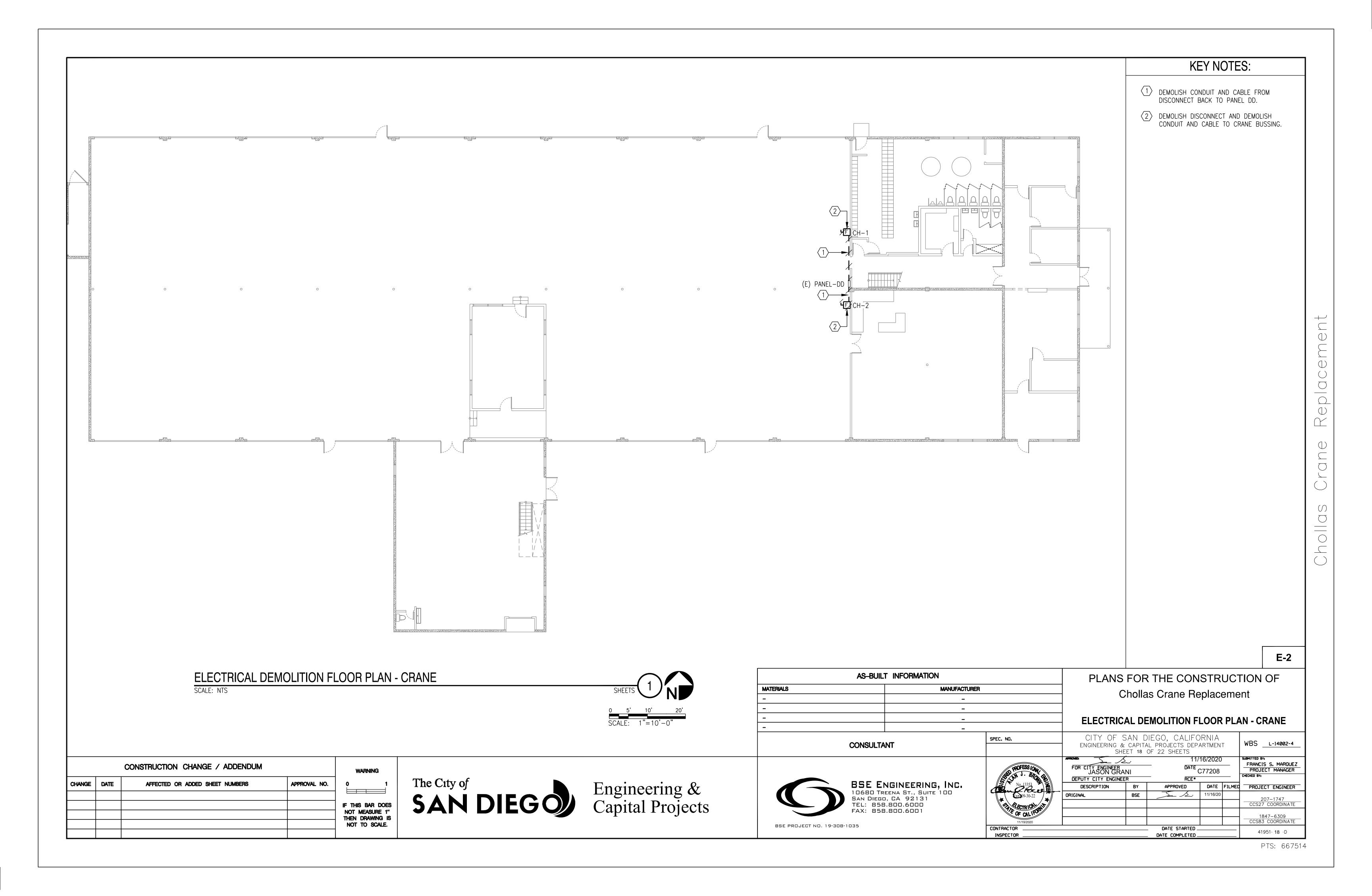
PTS: 667514

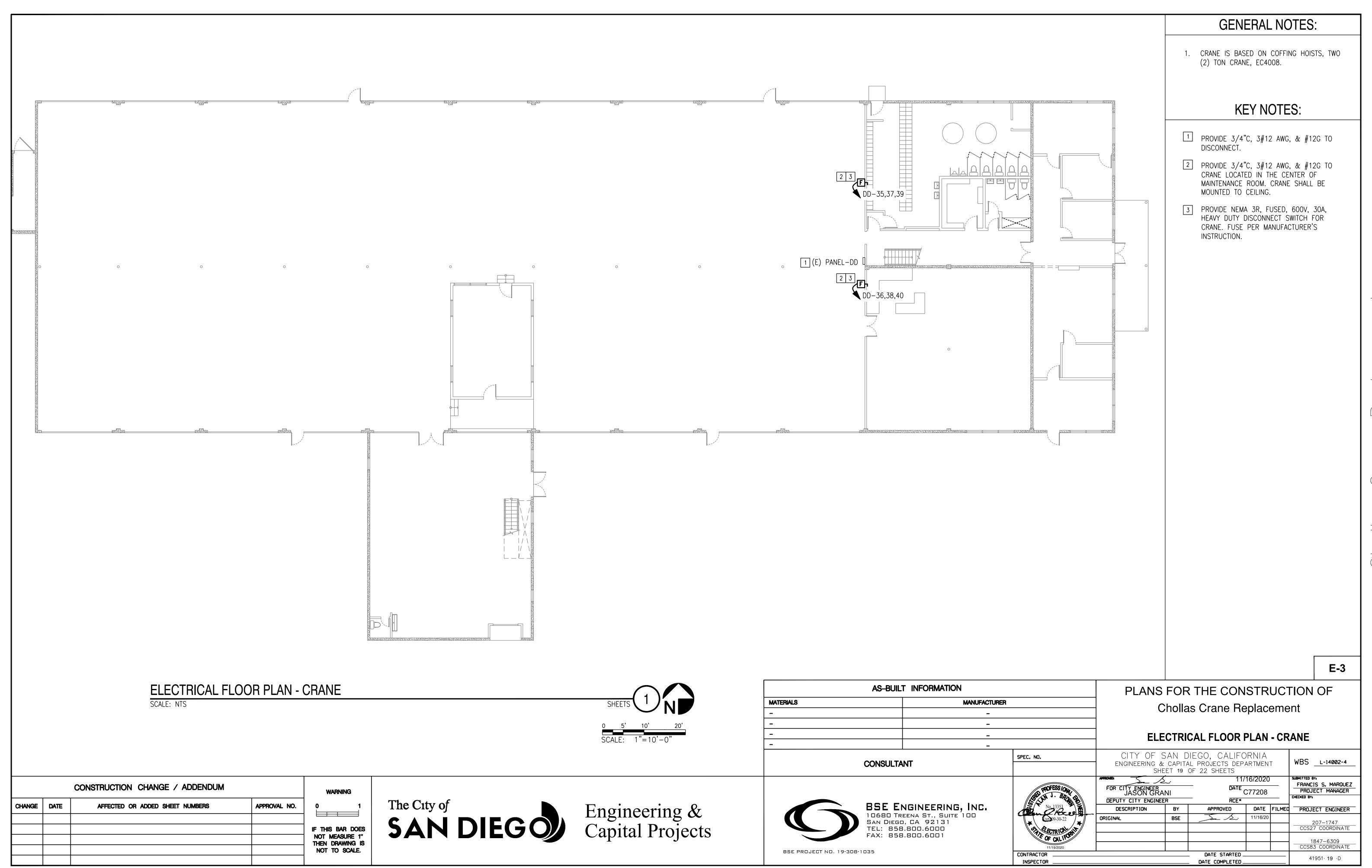
CCS83 COORDINATE

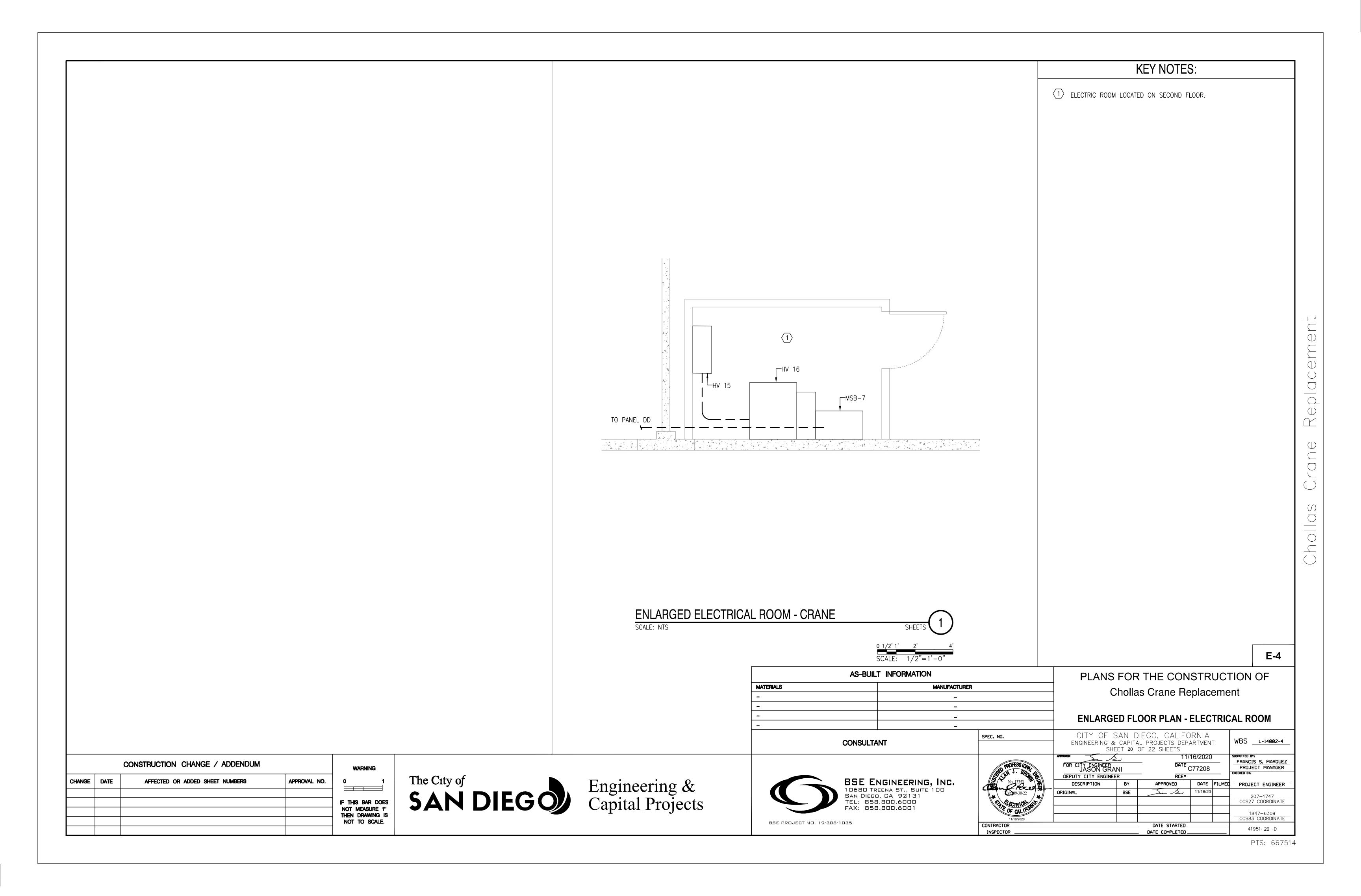
41951- **17** -D

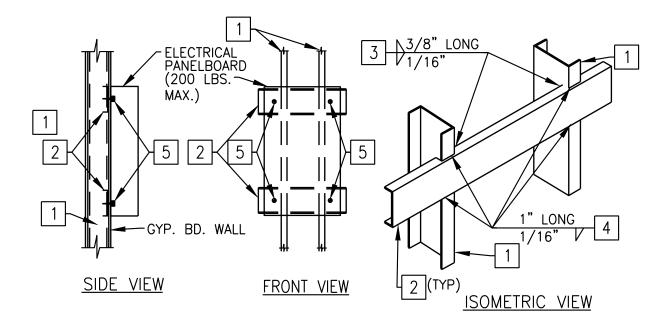
DATE STARTED

DATE COMPLETED









KEY NOTES

1 STRUCTURAL SCREW STUDS, SEE ARCHITECTURAL PLANS FOR SPACING.

6" X 1 1/4" 16GA. BACKING CHANNEL. TRACK NOTCHED AROUND & 2 WELDED TO STUDS.

TYPICAL AT ALL FLANGES OF BACKING CHANNEL TO STUDS.

TYPICAL AT WEB OF BACKING CHANNEL TO STUDS.

#12 SELF TAPPING SHEET METAL SCREWS, ANSI TYPE T.

PANELBOARD MOUNTING DETAIL - SURFACE MOUNT

SCALE: NTS

EXISTING LOAD "DD"	67.0	KVA	186.0	A
REMOVED LOADS				
(E) CRANE	13.4	KVA	37.2	A
ADDITIONAL LOAD				
CRANE	3.2	KVA	8.9	A
FINAL TOTAL	56.8	KVA	157.7	Α

PANEL	- -	DD		Volt:	120/	208	3Ph,4W	Bus:	200	A, 10 KAIC Feed:	Тор	Bott	STINC
			INTENANCE SHOP	Mount:	•	200	3F11,44V	Маin:		•	SOURCE		
······	Bkr.			***************************************		LC	DAD	1773111		20 10 10 00000	1	Ckr. Bkr.	
#	А	Р	Description/Location		т	VA	Ø	VA	Т	Description/Location	P	А	#
1	50		LIGHTING		N	1200	A	1200	N	LIGHTING	1	20	2
3	50	•	LIGHTING		N	1200	В	1200	N	LIGHTING	1	20	4
5	50		AIR COND.		N	1200	С	1200	N	LIGHTING	1	20	6
7	20	1	MEZ CLOCK AND COFFEE POT		N	1000	A	700	N	AIR COND. HEATER	3	30	8
9	20	1	HEATER		Ň	800	В	700	N	AIR COND. HEATER	-	30	10
11	20	1	SUN PERFORMANCE ANALYZEF	:	N	1200	С	700	N	AIR COND. HEATER	-	30	12
13	20	1	COFFEE PLUG		N	180	Α	150	N	4 SOLE VALVES	1	20	14
15	20	1	4 SOLE VALVES		N	150	В	150	N	4 SOLE VALVES	1	20	16
17	20	1	3 SOLE VALVES		N	150	c	1000	N	3 C/O	1	20	18
19	20	1	5 SOLE VALVES		N	250	Α	1000	N	3 C/O	1	20	20
21	20	1	2 C/O & D.F.		N	1000	В	1000	N	3 C/O	1	20	22
23	20	1	EXIT LIGHTS		N	720	С	1200	N	DYNO PANEL	3	60	24
25	-	1	SPARE		N	0	Α	1200	N	DYNO PANEL	-	60	2
27	15	1	GEN TEST		N	720	В	1200	N	DYNO PANEL	-	60	2
29	-	1	SPARE		N	0	С	2000	N	PANEL A	3	100	30
31	20	1	ALARM		N	360	Α	2000	N	PANEL A	-	100	3
33	20	1	TLS		N	500	В	2000	N	PANEL A	-	100	3
35	15	3	CRANE		N	533	С	533	N	CRANE	3	15	3
37	15	-	CRANE		N	533	A	533	N	CRANE	-	15	3
39	15	-	CRANE		N	533	В	533	N	CRANE	-	15	40
41	20	1	2 C/O		N	150	С	180	N	NIGHT LIGHT	1	20	42
.OAD				Phase	2 A	Pha	se B	Phase	. C	PANE	LTOTAL		
Connect	ed:			KVA	Α	KVA	Α	. KVA	. Α	KVA		Α	
	Non-	Cor	ntinuous: Type N	10.31	85.88	11.69	, , , , , , , , , , , , , , , , , , ,	•	89.72	32.76		157.49	
Long-Continuous Type L		0.00	0.00	0.00	, , , , , , , , , , , , , , , , , , ,	•	0.00	0.00		0.00			
			able Recept. Type R	0.00	0.00	0.00			0.00	0.00		0.00	
	Kitch		Туре К	0.00	0.00	0.00			0.00	0.00		0.00	
OTALC	······································	CTE	D	10.31	85.88	11.69	97.38	10.77	89.72	32.76		157.49	***************************************
Demano													
	-		ntínuous Type L	0.00	0.00	0.00			0.00	0.00		0.00	
			Recept. Type R	0.00	0.00	0.00			0.00	0.00		0.00	
	Kitch		Туре К	0.00	0.00	0.00			0.00	0.00		0.00	
TOTAL D	EMA	1D		10.31	85.88	11.69	97.38	10.77	89.72	32.76		157.49	

KEY NOTES:

- 1 DEMOLISH CABLES BACK TO DISCONNECT, DEMOLISH CIRCUIT BREAKER. PROVIDE NEW 3 PH, 15A CIRCUIT BREAKER FOR CRANE COFFING HOISTS, TWO (2) TON CRANE, EC4008. IF CRANE CHANGES, CONTRACTOR IS RESPONSIBLE TO SIZE CIRCUIT BREAKER PER MANUFACTURER AND NEC REQUIREMENTS.
- PROVIDE UPDATED AND TYPED PANEL SCHEDULE SHOWING WORK COMPLETED.

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AS-BUIL'	PLANS FOR THE CONSTRUCTION OF								
MATERIALS	MANUFACTUREF	Chollas Crane Replacement							
-	-]	וטווכ	s Clane Re	piac	еше	HIL	
-	-		FI FOTDIO	A. DE:		A NIE 1	0011		ın
-	-	ELECTRICA		TAILS AND PA			IEDULE AN	שע	
-	-				PANEL SCHE	DULE			
		SPEC. NO.	CITY OF SAN DIEGO, CALIFORNIA					L/DC	
CONSULTA	ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 21 OF 22 SHEETS WBS L-14002-4					002-4			
		PROFESS /ONE	FOR CITY ENGINEER JASON GR	کے. ANI	11/ — DATE (16/2020 C77208		FRANCIS S. MA PROJECT MAN CHECKED BY:	
RSF FI	NGINEERING, INC.	No. 13353	DEPUTY CITY ENGINE		RCE*	•	_		
10680 Tr	EENA ST., SUITE 100 1, CA 92131	xp 09-30-22	DESCRIPTION ORIGINAL	BY BSE	APPROVED	11/16/20	FILMED	PROJECT ENG 207–174	
TEL: 858	3.800.6000	S PECTRICAL STATE OF THE STATE						CCS27 COORD	
	FAX: 858.800.6001							1847-630 CCS83 COORD	
BSE PROJECT NO. 19-308-1035	,		DATE STARTED						

41951- **21** -D PTS: 667514

DATE COMPLETED

	WARNING			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.	0 1
				IF THIS BAR DOES
				NOT MEASURE 1" THEN DRAWING IS
				NOT TO SCALE.

