

**NATIONAL POLLUTANT DISCHARGE
ELIMINATION SYSTEM (NPDES) NOTES**

1. IN CASE OF EMERGENCY CALL _____
AT WORK PHONE NUMBER _____
OR HOME PHONE NUMBER _____

2. SEDIMENT FROM AREA DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE RETAINED ON SITE USING AN EFFECTIVE COMBINATION OF EROSION AND SEDIMENT CONTROLS, TO INCLUDE STRUCTURAL AND NON-STRUCTURAL BEST MANAGEMENT PRACTICES (BMPs) TO MAXIMIZE EXTENT PRACTICABLE
3. STOCKPILES OF SOIL SHALL BE PROPERLY CONTAINED TO MINIMIZE SEDIMENT TRANSPORT TO THE STREET DRAINAGE FACILITIES OR ADJACENT PROPERTIES VIA RUNOFF, TRACKING OR WIND.
4. ALL CONTRACTORS AND SUB-CONTRACTORS SHALL BE MADE AWARE OF BMPs FOR CONSTRUCTION SITE AND STAGING AREAS.
5. AT THE END OF EACH WORKING DAY ALL CONSTRUCTION DEBRIS AND WASTER MATERIALS SHALL BE COLLECTED AND PROPERLY DISPOSED IN TRASH RECYCLE BINS AND REMOVED OFFSITE.
6. THE CONSTRUCTION SITE SHALL BE MAINTAINED WITH BMPs IN PLACE FOR ALL STORM EVENTS AND ANTICIPATED STORM EVENTS, THIS WILL INSURE CONSTRUCTION RELATED POLLUTANTS DO NOT TRAVEL OFF SITE.
7. EQUIPMENT AND WORKERS SHALL BE MADE AVAILABLE FOR EMERGENCIES DURING RAIN OR WIND EVENTS. NECESSARY MATERIALS SHALL BE AVAILABLE ON SITE AND STOCK PILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID DEPLOYMENT AND CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT
8. ALL EROSION CONTROL DEVICES SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE 5 DAY FORECAST PROBABILITY OF RAIN IS 40%
9. ALL NON-STORM WATER DISCHARGES MUST BE IN ACCORDANCE WITH ALL APPLICABLE LAWS, REGULATIONS AND ORDINANCES. DISCHARGES OF NON-STORM WATER CAN NOT: CAUSE OR CONTRIBUTE TO A VIOLATION OF ANY WATER QUALITY STANDARD; THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR NUISANCE, OR CONTAIN A HAZARDOUS SUBSTANCE IN THE QUANTITY REPORTABLE UNDER 40 CFR 117 AND 302.
10. POTENTIAL POLLUTANTS INCLUDE BUT NOT LIMITED TO: SOLID OR LIQUID CHEMICAL SPILLS, WASTES FROM PAINT, STAINS, SEALANTS, PESTICIDES, HERBICIDES, LUBRICANTS, HYDRAULIC, BATTERY OR RADIATOR FLUIDS, VEHICLE AND EQUIPMENT WASH WATER, ENGINE AND EQUIPMENT STEAM CLEANING WATER, CHEMICAL DEGREASERS AND CONCRETE WASH WATER, TRASH DEBRIS AND FLOATING WASTES.
11. DISPOSAL OF HAZARDOUS WASTES SHALL BE SPECIFIED ON SITE, IN SEALED CONTAINERS, STORED IN SECONDARY CONTAINED AREAS AND PROTECTED FROM STORM WATER, WASTES AND TO BE DISPOSED IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS.
12. DEWATERING OF CONTAMINATED GROUND WATER OR DISCHARGE OF CONTAMINATED SOIL IS PROHIBITED. DEWATERING OF NON-CONTAMINATED GROUND WATER REQUIRES A NPDES PERMIT.
13. CONSTRUCTION SITE PERIMETERS MUST BE GRADED TO DRAIN AWAY FROM THE FACE OF CURB, BUILDING AND SIDEWALKS AT THE END OF EACH WORKING DAY. DRAINAGE IS TO BE DIRECTED TOWARDS LOW POINT AREA AND PIPE INLET DRAINS.
14. EROSION CONTROLS SHALL BE INSPECTED TO INSURE THAT ALL BMPs ARE IMPLEMENTED IN ACCORDANCE WITH APPROVED PLANS
15. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDMENT OF WATER CREATES A HAZARDOUS CONDITION.

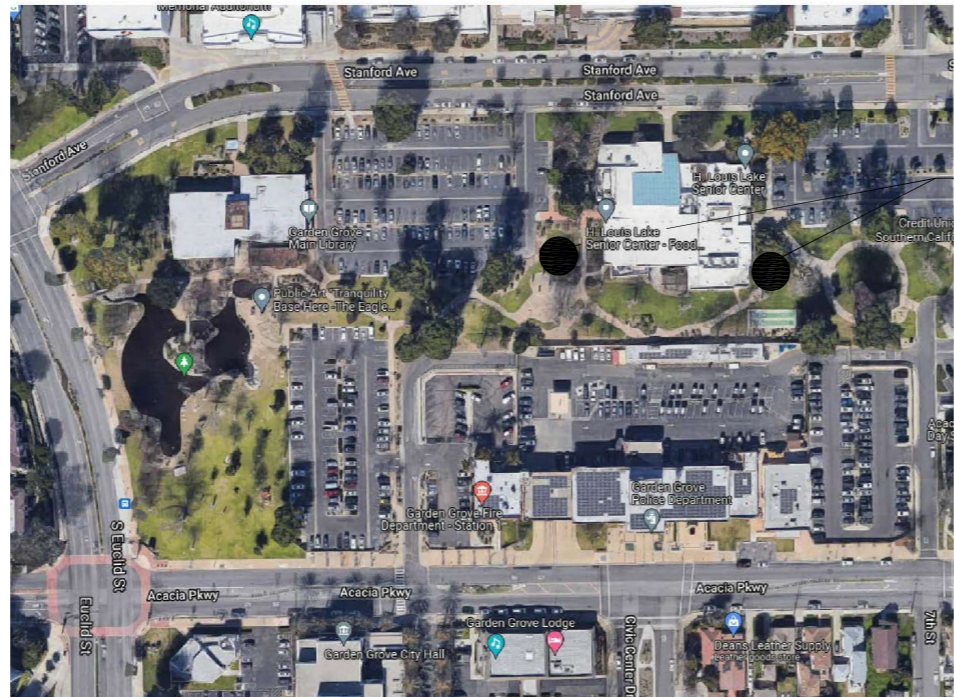
GENERAL NOTES

- GENERAL CONDITIONS
1. ALL WORK SHALL CONFORM TO THE CITY OF GARDEN GROVE STANDARD PLANS AND SPECIFICATIONS, AS WELL AS THE "GREENBOOK" STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION.
 2. COMPACTION TESTING OF THE NATIVE SOIL MATERIAL, AGGREGATE BASE AND CONCRETE BASE SHALL BE COMPACTED TO 90% IN LONGITUDINAL AND TRANSVERSE TRENCHES. ALL COMPACTED FILLED TRENCHES SHALL BE APPROVED BY THE CITY REPRESENTATIVE PRIOR TO NEXT STAGE OF WORK.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITY LINES, UTILITY BOXES AND INFRASTRUCTURE AND SHALL BEAR THE EXPENSE FOR REPAIR AND / OR REPLACEMENT "IN KIND" TO ALL UTILITIES.
 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL HARDSCAPE AND SOFTSCAPE AND SHALL BEAR THE EXPENSE FOR REPLACEMENT "IN KIND" TO ALL EXISTING SAND FACILITIES. CONTACT CITY REPRESENTATIVE 48 HOURS PRIOR TO EXCAVATION ON THE PROJECT SITE.
 5. ALL EXISTING AND NEW CONCRETE SIDEWALK PAVING WITHIN SCOPE OF WORK AREAS SHALL BE CLEANED BY MEANS OF HIGH PRESSURE WASHING PRIOR TO ACCEPTANCE BY THE CITY REPRESENTATIVE.
 6. CONTRACTOR SHALL SUBMIT A CERTIFICATE OF INSURANCE FOR WORKER'S COMPENSATION, GENERAL LIABILITY AND AUTOMOBILE LIABILITY. GENERAL LIABILITY AND AUTOMOBILE LIABILITY SHALL EACH BE IN THE AMOUNT PER CITY OF GARDEN GROVE REQUEST AND THE GENERAL LIABILITY MUST INCLUDE AN ENDORSEMENT DESIGNATING THE CITY OF GARDEN GROVE AS ADDITIONAL INSURED.

ATTENTION
All utilities shown in this plan are based on available records. It shall be the sole responsibility of the contractor to verify existing utilities by contacting utility agencies and to avoid damaging existing utilities during excavation.
FOR UNDERGROUND SERVICE ALERT CALL:
1-800-422-4133

CITY OF GARDEN GROVE COMMUNITY MEETING CENTER & COUNCIL CHAMBER BRIDGE & LANDSCAPE RENOVATION PROJECT 13100 STANFORD AVENUE GARDEN GROVE, CA. 92840

PROJECT SCOPE OF WORK CONSIST OF:
DEMOLITION, GRADING AND DRAINAGE CONSTRUCTION, IRRIGATION AND PLANTING ON THE WEST AND EAST SIDES OF THE COMMUNITY MEETING CENTER & COUNCIL CHAMBER BUILDING



VICINITY MAP
NOT TO SCALE

SITE AREAS

DATE: FEBRUARY 06, 2022

PREPARED FOR:
CITY OF GARDEN GROVE
CONTACT: JANET PELAYO
(714)-741-5215
EMAIL: janetp@ggcity.org

PREPARED BY:
RMA INTERNATIONAL
CONTACT: ROBERT MCMAHON
(562)-618-9119
EMAIL: rmalandscape@gmail.com

STRUCTURAL ENGINEER CONSULTANT:
GEOQUAKE INC.
CONTACT: ZAHER YAZEJI, P.E.
(714)-941-9764
EMAIL: zaher@geoquake.net

UTILITY	CONTACT PERSON	PHONE NO.
SOUTHERN CALIFORNIA EDISON	CECILIA CAMPOS	(714)-973-5445
THE GAS COMPANY	DON AMADOR	(714)-634-3039
AT&T	YVETTE GARAFANO	(714)-666-5692
O.C.T.A.	MARK SELLINGER	(714)-530-6060
TIME WARNER COMMUNICATIONS	JOHN LO	(714)-903-8213
COUNTY SANITATION DISTRICT OF O.C.	WENDY ALLISON	(714)-593-7880
VERIZON	LEO ESTOYU	(714)-357-6748
CHEVRON PIP LINE COMPANY	AL SUPER	(310)-669-4014
CRIMSON PIPE LINE	DAN COBURN	(562)-285-4156

NOTES TO THE CONTRACTOR

1. THE CONTRACTOR IS REQUIRED TO PULL ALL PERMITS FROM BUILDING AND SAFETY. THE CITY WILL PAY FOR THE COSTS OF THE PERMITS.
2. THE CONTRACTOR SHALL SUBMIT (6) COPIES OF ALL SUBMITTALS AND SHOP DRAWINGS TO THE CITY FOR APPROVAL WITHIN TEN WORKING DAYS FOLLOWING THE AWARD OF CONTRACT.
3. THE CONTRACTOR SHALL ORDER AND SCHEDULE THE DELIVERY OF ALL MATERIAL AND EQUIPMENT TO INSURE THAT THERE ARE NO DELAYS OR PERIODS OF INACTIVITY DURING THE CONSTRUCTION PHASE.
4. A TEMPORARY 6' HIGH CHAIN LINK FENCE WITH GREEN WIND SCREEN SHALL BE INSTALLED AROUND THE PERIMETER OF THE PROJECT SITE. THE COST FOR THE FENCE AND SCREEN SHALL BE DISTRIBUTED AMONG THE VARIOUS BID ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
5. ALL EXISTING AND NEW CONCRETE SIDEWALK PAVING WITHIN SCOPE OF WORK AREAS SHALL BE CLEANED BY MEANS OF HIGH PRESSURE WASHING PRIOR TO ACCEPTANCE BY THE CITY REPRESENTATIVE.
6. THE COLORED CONCRETE PAVING ON THE BRIDGE IS A SPECIALTY ITEM. THE BOMANITE MANUFACTURER IMPRINT STAMP TOOL IDENTIFIED ON THE PLANS SHALL BE PROVIDED TO DO THE WORK AND NO SUBSTITUTIONS WILL BE ALLOWED.
7. CONTRACTOR IS RESPONSIBLE AND SHALL NOTIFY UNDERGROUND UTILITIES AT (800)-422-3133 TO IDENTIFY AND LABEL MARK ALL ABOVE AND BELOW GROUND UTILITIES WITHIN THE PROJECT SCOPE AREAS. PRIOR TO FINAL PROJECT ACCEPTANCE BY THE CITY REPRESENTATIVE CONTRACTOR SHALL REMOVE ALL SPRAY PAINTED MARKINGS WITH HIGH PRESSURE WASHING.
8. IF ANY UTILITIES ARE FOUND WITHIN THE SCOPE OF WORK AREA CONTRACTOR TO POTHOLE BY HAND AND LOCATE ALL LINES BEFORE PROCEEDING. CITY REPRESENTATIVE SHALL NOTIFIED IMMEDIATELY. THE COST FOR DOING THIS SHALL BE DISTRIBUTED AMONG THE VARIOUS BID ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
9. TO ENSURE PROPER BONDING, THE NSR LEDGE STONE PANELS AND PRECAST CONCRETE PEDESTAL CAPS MUST BE THOROUGHLY WASHED AND RINSED OFF WITH CLEAN WATER BEFORE APPLYING THE MORTAR, SEALER AND ANTI GRAFFITI PRODUCTS.

SHEET INDEX

DESCRIPTION	SHEET NUMBER
LANDSCAPE	
TITLE SHEET	L - 0
TOPOGRAPHIC SURVEY	L-0.0
DEMOLITION PLAN	L - 1 & L-2
DRAINAGE PLAN	L - 3 & L-4
CONSTRUCTION PLAN	
MATERIALS & LAYOUT PLAN	L - 5 & L-6
IRRIGATION PLAN	L - 7 & L-8
PLANTING PLAN	L - 9
CONSTRUCTION DETAILS	LD - 1.1, LD1.2 & LD-2
IRRIGATION DETAILS	ID-1
PLANTING DETAILS	PD-1
PLANTING IMAGERY	PD-2
STRUCTURAL	
STRUCTURAL NOTES	SN
BRIDGE PLAN	S-1
BRIDGE DETAILS	SD-1
SPECIFICATIONS ARE IN 8 1/2" X 11" BOOKLET FORM	

RMA INTERNATIONAL
LANDSCAPE ARCHITECTURE & PLANNING
315 3 RD STREET SUITE A
HUNTINGTON BEACH, CA 92648
P (562) 618-9119 EMAIL: rmalandscape@gmail.com

NO.		REVISIONS	APPR.	DATE
CITY OF GARDEN GROVE				
BRIDGE AND LANDSCAPE RENOVATION PROJECT				
CIVIC CENTER BUILDING				
TITLE SHEET				
APPROVED:	CITY ENGINEER	RCE NO.	DATE	
RECOMMENDED:	CIP ENGINEER	RCE NO.	DATE	
SUBMITTED:	ROBERT MCMAHON	CA # 3463	DATE	
DRAWN BY:	FLJM	DATE:	03-21-22	SHT _____ OF _____ SHTS

TOPOGRAPHICAL SURVEY

13100 STANFORD ROAD GARDEN GROVE CA

APN: 090-154-58

FD S&M LAMPSON AVE
 S 89°47'30" E 662.07'
 N:2232126.29
 E:6049812.07
 99.57

N:2232123.88
 E:6050474.14
 99.57

TRACT NO. 329
 N 09°51'16" W 662.00'

STANFORD AVENUE

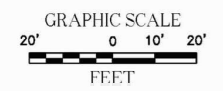
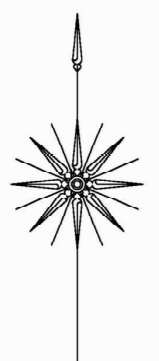
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 E:6049748.26
 (EL.=93.47)

N:2230768.49
 E:6049831.36
 (EL.=93.57)

SIXTH STREET
 (ABANDONED)

TRACT NO. 329

GARDEN GROVE



LEGEND	
A.P.	ANGLE POINT
E.P.	END POINT
BK	BREAK
CB	CATCH BASIN
CL	CENTER LINE
CL	CHAIN LINK FENCE
CP	CONCRETE PAVEMENT
FM	FOUND MONUMENT
DI	DRAIN INLET
EPB	ELECTRIC PULL BOX
EC	ELECTRIC CABINET
GM	GAS METER
NG	NATURAL GROUND
(XXX)	GROUND ELEVATION
○	GATE
○	GAS VALVE
○	HANDICAP PARKING
○	PROPERTY LINE
○	TELEPHONE MANHOLE
○	STREET LIGHT
○	LIGHT STANDARD
○	POWER POLE
○	GUY WIRE
○	RETAINING/CONCRETE WALL
○	RETAINING/BLOCK WALL
○	BRICK WALL
○	SCREEN/BLOCK/WOOD/WALL
○	GUARD POST
○	SQ.FT. SQUARE FEET
○	TE TRASH ENCLOSURE
○	TRAIL
○	TREE PINE
○	TREE PALM
○	SIGN
○	WATER METER
○	WOOD FENCE
○	WIRE FENCE

BENCHMARK
 ORANGE COUNTY SURVEY BENCHMARK GG-127
 FOUND 2 3/4" BRONZE CITY OF GARDEN GROVE BENCHMARK DISK, SET IN CONCRETE 0.1 FT
 BELOW FINISHED SURFACE. MONUMENT IS LOCATED IN THE NORTHEAST CORNER OF THE
 INTERSECTION OF LAMPSON AVE. AND NINTH ST., 24 FT., EAST OF THE B.C.B. AND 1.7 FT.
 NORTH OF THE CURB FACE. EL=99.663 FEET

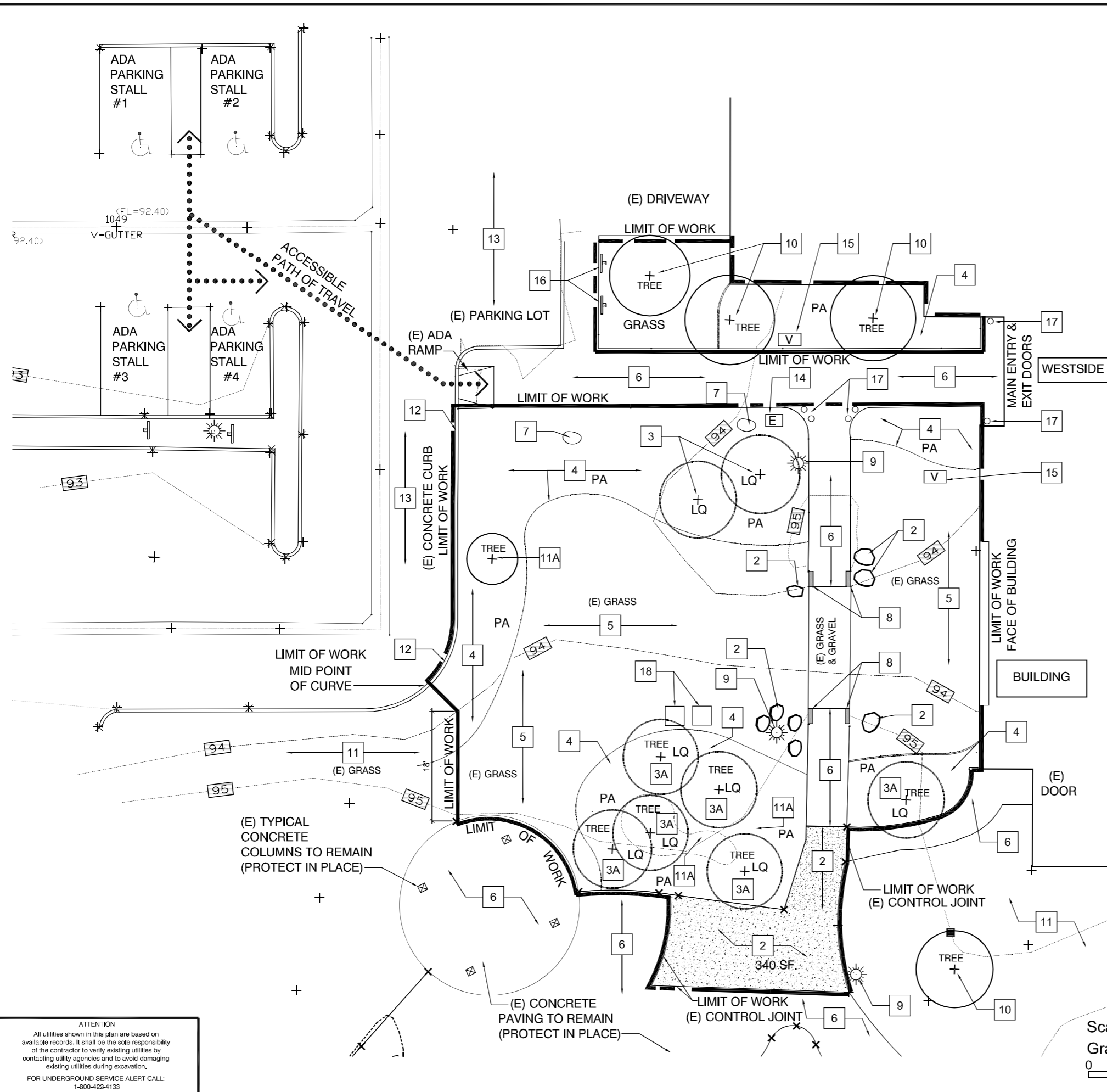
SURVEYOR'S NOTE
 THIS IS NOT A BOUNDARY SURVEY. BOUNDARY SHOWN HEREIN IS
 COMPILED FROM FOUND MONUMENTS AND AVAILABLE PUBLIC RECORDS.

RAY R. ZEOLLARI
 LS # 8346
 EXPIRATION DATE: 12/31/2021

DELTA
 SURVEYING AND MAPPING
 39305 SALINAS DRIVE MURRIETA CA 92563
 Phone: 951-764-0198 Fax: 951-816-3235

DATE: 09/13/2021 SHEET 1 OF 1

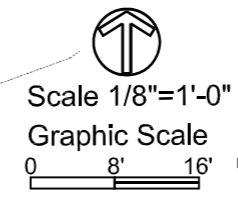
L-0.0



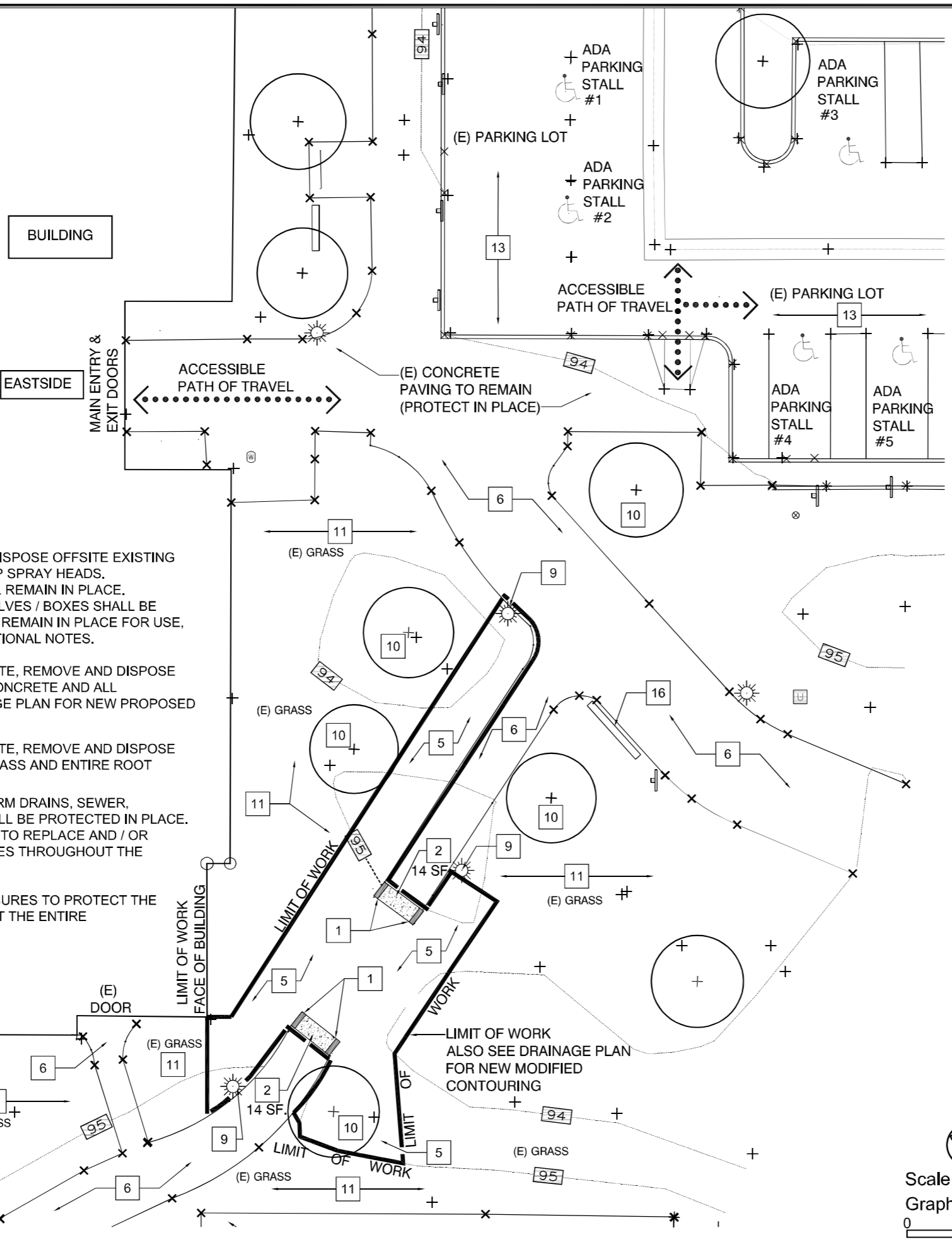
DEMOLITION NOTES

- 1 REMOVE AND DISPOSE OFFSITE EXISTING (4) FOUR CONCRETE BRIDGE PEDESTALS AND CONCRETE ABUTMENTS WITH FOOTINGS. SAWCUT AND REMOVE TO NEAREST CONTROL JOINT. (EASTSIDE ONLY)
- 2 REMOVE AND DISPOSE OFFSITE EXISTING CONCRETE PAVING AND FAUX ROCK BOULDERS
- 3 REMOVE AND DISPOSE OFFSITE EXISTING (2)TWO (LQ)- LIQUIDAMBER TREES AND ENTIRE ROOT SYSTEMS
- 3A BID ALTERNATE: REMOVE AND DISPOSE EXISTING (6) SIX (LQ)- LIQUIDAMBER TREES AND ENTIRE ROOT SYSTEMS
- 4 REMOVE AND DISPOSE OFFSITE EXISTING SHRUB PLANTINGS AND ENTIRE ROOT SYSTEMS AND EXISTING PLASTIC MOW CURB EDGING.
- 5 REMOVE AND AND DISPOSE OFFSITE EXISTING GRASS AND ROOT SYSTEMS AND GRAVEL ROCKS.
- 6 EXISTING CONCRETE PAVING TO REMAIN. PROTECT IN PLACE.
- 7 EXISTING BOULDERS SALVAGE FOR USE TO BE RELOCATED IN FIELD BY LANDSCAPE ARCHITECT
- 8 EXISTING (4) FOUR CONCRETE BRIDGE PEDESTALS. TO REMAIN, PROTECT IN PLACE FOR USE. (WESTSIDE ONLY)
- 9 EXISTING LIGHT POLE FIXTURE AND ELECTRICAL JUNCTION BOX TO REMAIN, PROTECT IN PLACE.
- 10 EXISTING TREE TO REMAIN, PROTECT IN PLACE
- 11 EXISTING GRASS & PLANTING AREA TO REMAIN. PROTECT IN PLACE.
- 11A EXISTING (1) REDBUD TREE AND AGAPANTHUS SHRUBS TO BE SAVED AND SALVAGED FOR USE. SEE PLANTING PLAN.
- 12 EXISTING CONCRETE CURB. PROTECT IN PLACE.
- 13 EXISTING ASPHALT PAVING TO REMAIN, PROTECT IN PLACE.
- 14 EXISTING UNDERGROUND ELECTRICAL UTILITY BOX TO REMAIN, PROTECT IN PLACE.
- 15 EXISTING IRRIGATION IN GROUND REMOTE CONTROL VALVE BOX TO BE MODIFIED SEE IRRIGATION PLAN.
- 16 EXISTING SIGNAGE TO REMAIN, PROTECT IN PLACE.
- 17 EXISTING TRASH RECEPTACLE AND POTTERY, SAVAGE FOR USE
- 18 EXISTING SEAT BENCH, PROTECT AND SALVAGE FOR USE

ATTENTION
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NO	REVISIONS	APPR	DATE
CITY OF GARDEN GROVE			
BRIDGE AND LANDSCAPE RENOVATION PROJECT			
CIVIC CENTER BUILDING			
DEMOLITION PLAN			
APPROVED:			
RECOMMENDED:	CITY ENGINEER	RCE NO.	DATE
SUBMITTED:	CP ENGINEER	RCE NO.	DATE
DRAWN BY:	ROBERT MCMAHON	CA # 3463	DATE
	RJM	02-08-22	SHT OF SITS

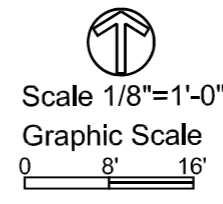


- NOTES:**
- CONTRACTOR SHALL REMOVE AND DISPOSE OFFSITE EXISTING IRRIGATION LATERAL LINES AND POPUP SPRAY HEADS. EXISTING 2" DIAMETER MAINLINE SHALL REMAIN IN PLACE. EXISTING INLINE REMOTE CONTROL VALVES / BOXES SHALL BE MODIFIED. WIRING FOR VALVES SHALL REMAIN IN PLACE FOR USE. REFER TO IRRIGATION PLAN FOR ADDITIONAL NOTES.
 - CONTRACTOR SHALL CLEAR EXCAVATE, REMOVE AND DISPOSE EXISTING SOIL, GRAVEL, BOULDERS, CONCRETE AND ALL OBSTRUCTIONS OFFSITE. SEE DRAINAGE PLAN FOR NEW PROPOSED GRADE ELEVATIONS.
 - CONTRACTOR SHALL CLEAR EXCAVATE, REMOVE AND DISPOSE OFFSITE EXISTING TREES, SHRUBS, GRASS AND ENTIRE ROOT SYSTEMS
 - ALL EXISTING POTABLE WATER, STORM DRAINS, SEWER, ELECTRICAL UTILITIES AND BOXES SHALL BE PROTECTED IN PLACE. CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE AND / OR REPAIR "IN KIND" ALL DAMAGED UTILITIES THROUGHOUT THE CONSTRUCTION PERIOD.
 - CONTRACTOR SHALL TAKE ALL MEASURES TO PROTECT THE BUILDING GLASS PANELS THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD

DEMOLITION NOTES

- REMOVE AND DISPOSE OFFSITE EXISTING (4) FOUR CONCRETE BRIDGE PEDESTALS AND CONCRETE ABUTMENTS WITH FOOTINGS. SAWCUT AND REMOVE TO NEAREST CONTROL JOINT. (EASTSIDE ONLY)
- REMOVE AND DISPOSE OFFSITE EXISTING CONCRETE PAVING AND FAUX ROCK BOULDERS
- REMOVE AND DISPOSE OFFSITE EXISTING (2) TWO (LQ)- LIQUIDAMBER TREES AND ENTIRE ROOT SYSTEMS
- BID ALTERNATE: REMOVE AND DISPOSE EXISTING (6) SIX (LQ)- LIQUIDAMBER TREES AND ENTIRE ROOT SYSTEMS
- REMOVE AND DISPOSE OFFSITE EXISTING SHRUB PLANTINGS AND ENTIRE ROOT SYSTEMS AND EXISTING PLASTIC MOW CURB EDGING.
- REMOVE AND DISPOSE OFFSITE EXISTING GRASS AND ROOT SYSTEMS AND GRAVEL ROCKS.
- EXISTING CONCRETE PAVING TO REMAIN. PROTECT IN PLACE.
- EXISTING BOULDERS SALVAGE FOR USE TO BE RELOCATED IN FIELD BY LANDSCAPE ARCHITECT
- EXISTING (4) FOUR CONCRETE BRIDGE PEDESTALS, TO REMAIN, PROTECT IN PLACE FOR USE. (WESTSIDE ONLY)
- EXISTING LIGHT POLE FIXTURE AND ELECTRICAL JUNCTION BOX TO REMAIN, PROTECT IN PLACE.
- EXISTING TREE TO REMAIN, PROTECT IN PLACE
- EXISTING GRASS & PLANTING AREA TO REMAIN. PROTECT IN PLACE.
- EXISTING (1) REDBUD TREE AND AGAPANTHUS SHRUBS TO BE SAVED AND SALVAGED FOR USE. SEE PLANTING PLAN.
- EXISTING CONCRETE CURB. PROTECT IN PLACE.
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- EXISTING UNDERGROUND ELECTRICAL UTILITY BOX TO REMAIN, PROTECT IN PLACE.
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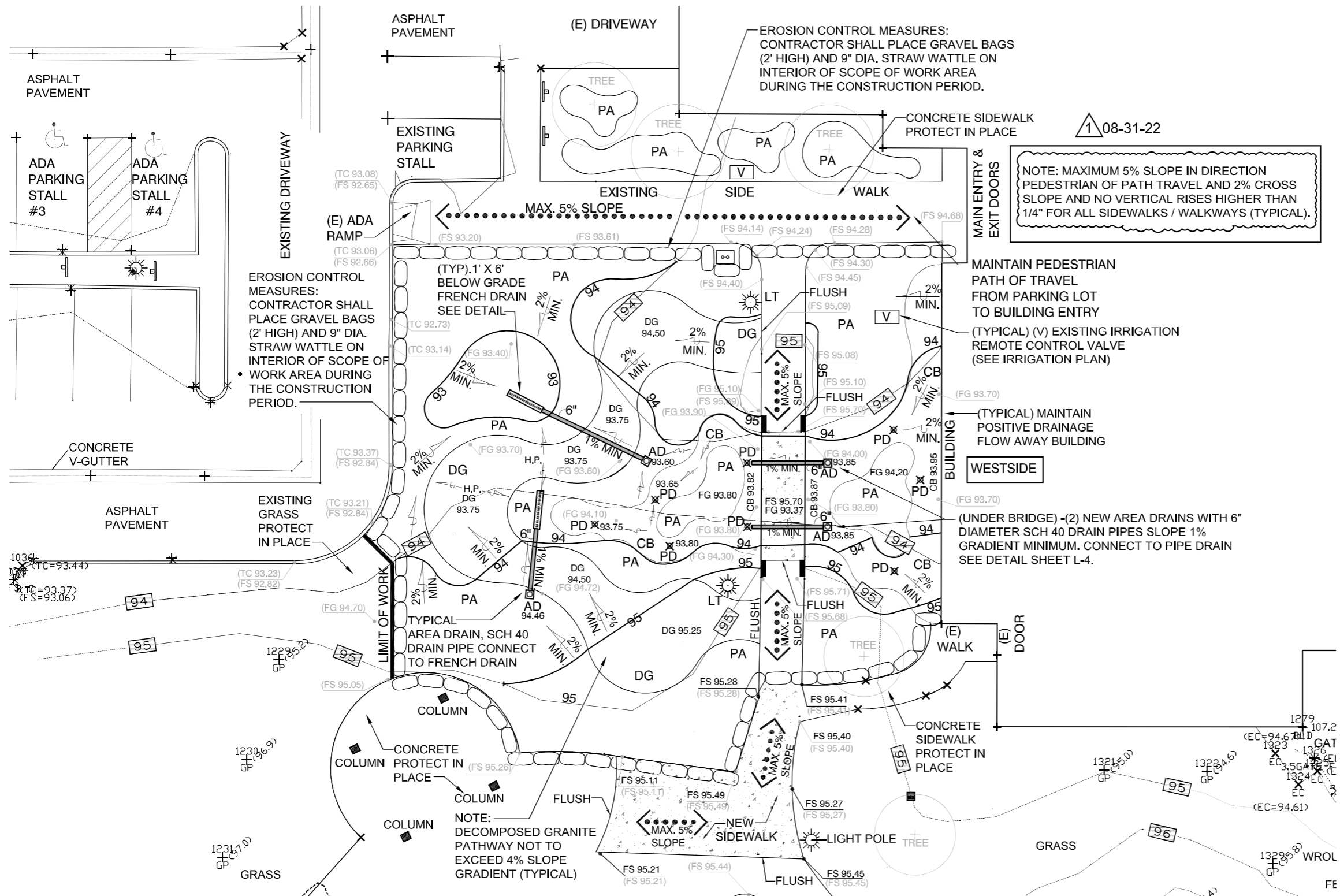


REVISIONS		APPR	DATE
NO			

CITY OF GARDEN GROVE
 BRIDGE AND LANDSCAPE RENOVATION PROJECT
 CIVIC CENTER BUILDING

DEMOLITION PLAN

APPROVED:			
RECOMMENDED:	CITY ENGINEER	RCE NO.	DATE
	CP ENGINEER	RCE NO.	DATE
SUBMITTED:	ROBERT MCMAHON	CA # 3463	DATE
DRAWN BY:	RJM	DATE: 02-08-22	SHT OF 9/15



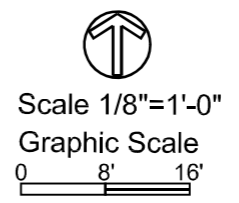
LEGEND

	EXISTING CONTOUR
	PROPOSED CONTOUR
	EXISTING FINISH SURFACE
	PROPOSED FINISH SURFACE
	EXISTING FINISH GRADE
	PROPOSED FINISH GRADE
	FLOWLINE
	PLANTING AREA
	HIGH POINT
	6" DIAMETER SCH 40 DRAINLINE PIPE
	LANDSCAPE AREA DRAIN SEE DETAIL SHEET L-4
	GRAVEL SUMP / PIPE DRAIN SEE DETAIL 3 SHEET LD-2
	FRENCH DRAIN WITH PERFORATED PIPE DRAIN LINE SEE DETAIL SHEET L-4
	DECOMPOSED GRANITE
	COBBLESTONE
	LIGHT POLE

NOTE: MAXIMUM 5% SLOPE IN DIRECTION PEDESTRIAN OF PATH TRAVEL AND 2% CROSS SLOPE AND NO VERTICAL RISES HIGHER THAN 1/4" FOR ALL SIDEWALKS / WALKWAYS (TYPICAL).

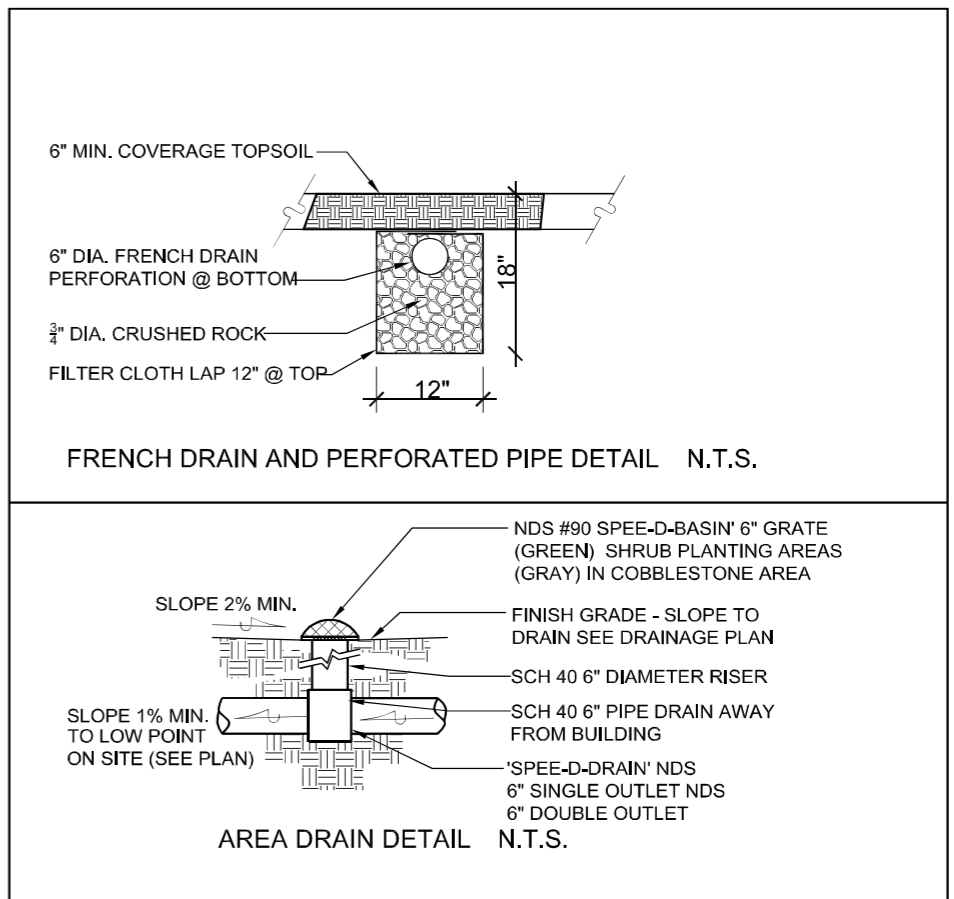
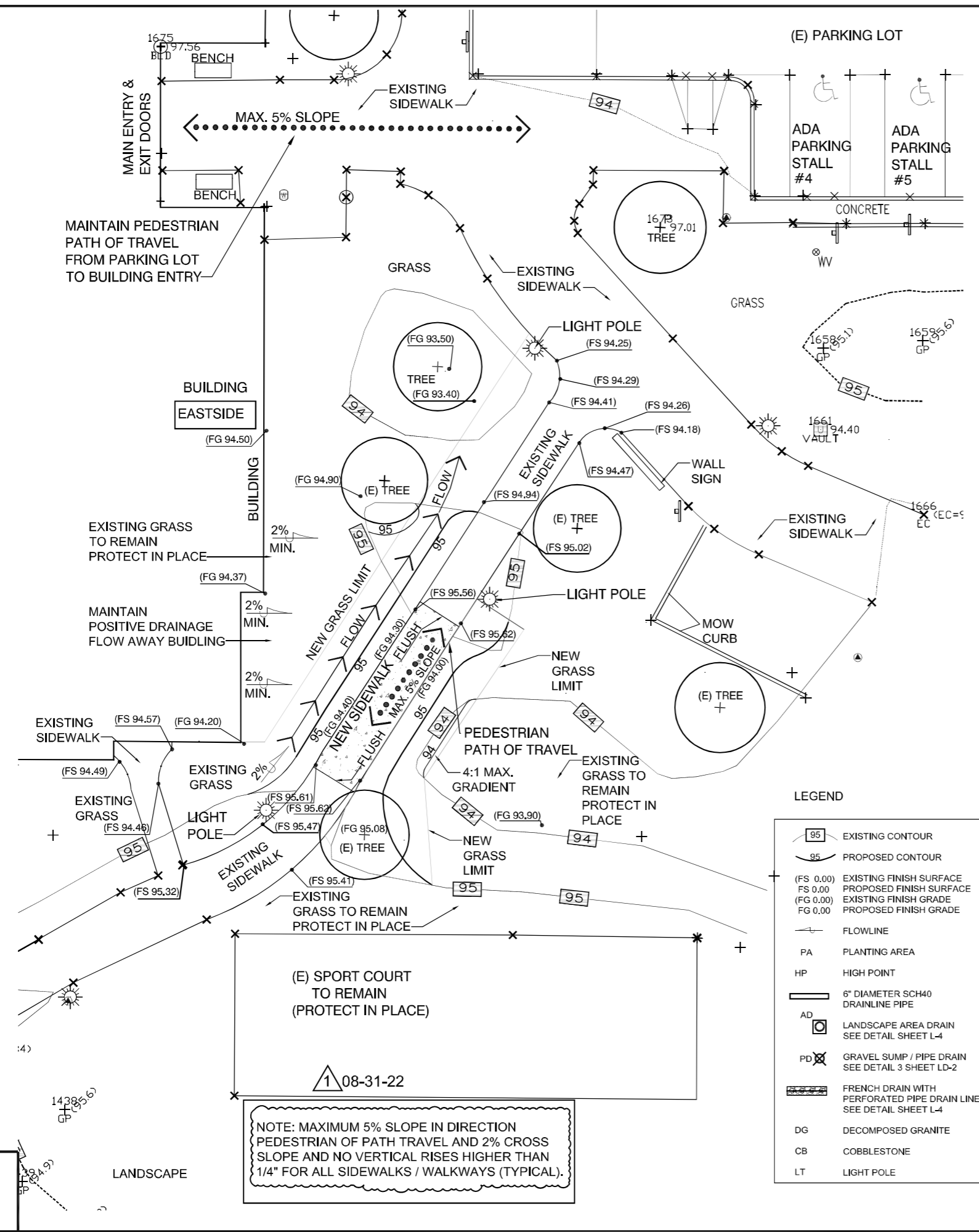
- GENERAL GRADING NOTES**
- CONTRACTOR TO VERIFY GRADES AND NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES PRIOR TO START OF GRADING WORK.
 - ALL EXISTING FINISH SURFACE AND FINISH GRADES SHOWN ARE PER TOPOGRAPHIC SURVEY PLAN.
 - ALL PROPOSED FINISH SURFACES SHALL MEET EXISTING FINISH SURFACES WITH SMOOTH AND CONTINUOUS TRANSITION AND FLUSH ALONG ENTIRE EDGE.
 - PRIOR TO CONSTRUCTION, CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS, EXISTING DRAINAGE STRUCTURES, AND FINISH FLOOR ELEVATIONS WITH THE CITY REPRESENTATIVE. NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY UPON ANY DISCREPANCIES.
 - ALL FINISH GRADES IN PLANTED AREAS SHALL BE 2-1/2" BELOW ADJACENT FINISH SURFACE UNLESS NOTED OTHERWISE IN CONSTRUCTION DETAILS.
 - PRIOR TO FINISH GRADE OPERATIONS CONTRACTOR FURNISH AND INSTALL CLASS A TOPSOIL, PLANTER MIX AND SOIL AMENDMENTS UNIFORMLY THROUGHOUT ALL PLANTER AND GRASS AREAS BY MEANS ROTOTILL TO A DEPTH PER THE SOILS REPORT.

ATTENTION
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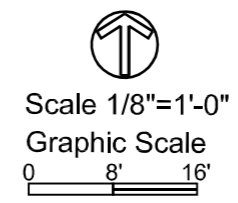
RMA INTERNATIONAL
LANDSCAPE ARCHITECTURE & PLANNING
315 S RD STREET SUITE 111
HUNTINGTON BEACH, CA 92648
P (562) 618-0119 EMAIL: rma@landscapes.com

08-31-22 CITY COMMENTS			
NO	REVISIONS	APPR	DATE
CITY OF GARDEN GROVE			
BRIDGE AND LANDSCAPE RENOVATION PROJECT			
CIVIC CENTER BUILDING			
GRADING & DRAINAGE PLAN			
APPROVED:			
RECOMMENDED:	CITY ENGINEER	RCE NO.	DATE
SUBMITTED:	CP ENGINEER	RCE NO.	DATE
DESIGNED BY:	ROBERT MCMAHON	CA # 3463	
	PROJECT LANDSCAPE ARCHITECT	RCE NO.	DATE
	RJM	08-31-22	



LEGEND

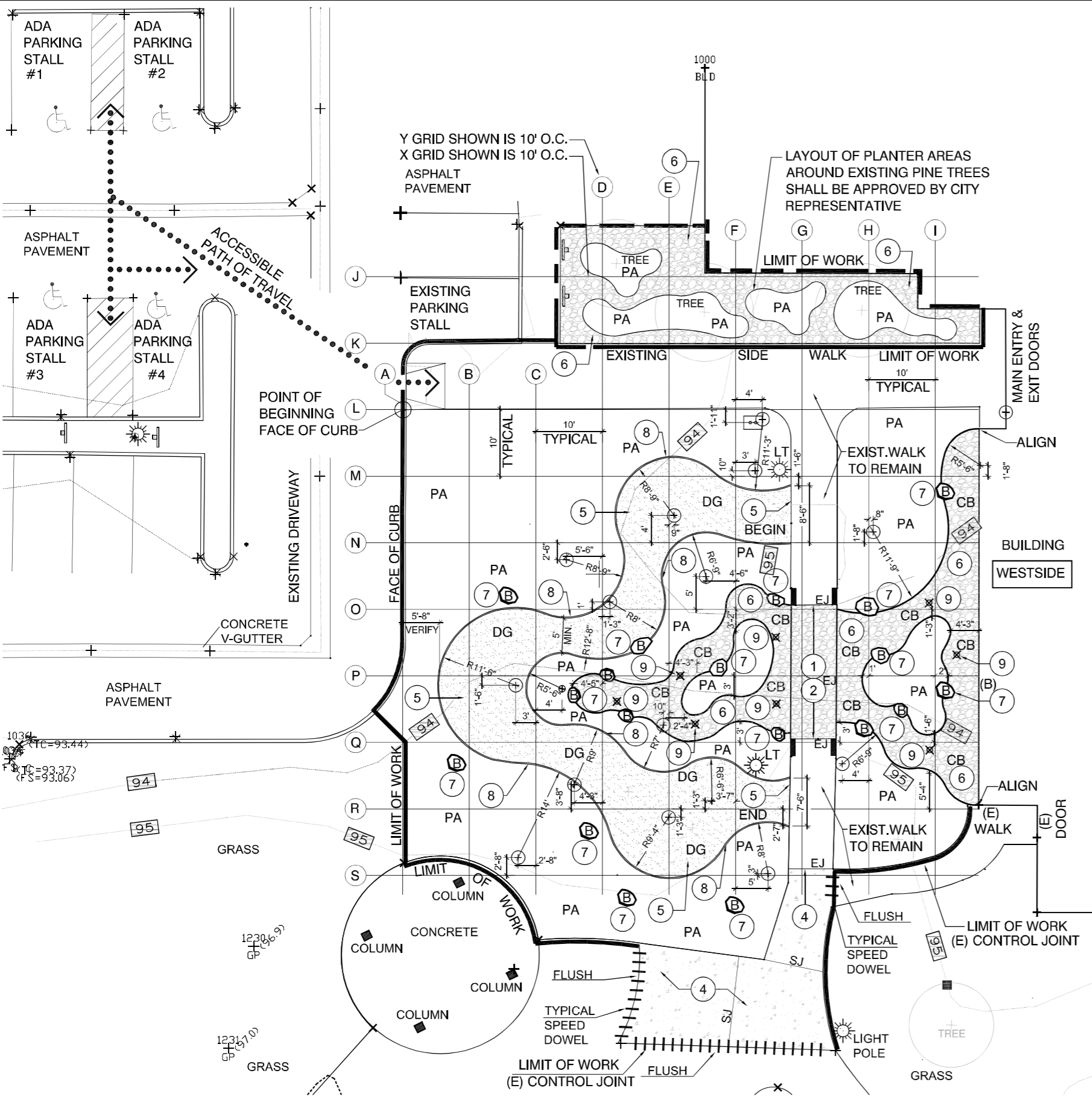
- 95 EXISTING CONTOUR
- 95 PROPOSED CONTOUR
- (FS 0.00) EXISTING FINISH SURFACE
- FS 0.00 PROPOSED FINISH SURFACE
- (FG 0.00) EXISTING FINISH GRADE
- FG 0.00 PROPOSED FINISH GRADE
- FLOWLINE
- PA PLANTING AREA
- HP HIGH POINT
- 6" DIAMETER SCH40 DRAINLINE PIPE
- AD LANDSCAPE AREA DRAIN SEE DETAIL SHEET L-4
- PD GRAVEL SUMP / PIPE DRAIN SEE DETAIL 3 SHEET LD-2
- FRENCH DRAIN WITH PERFORATED PIPE DRAIN LINE SEE DETAIL SHEET L-4
- DG DECOMPOSED GRANITE
- CB COBBLESTONE
- LT LIGHT POLE



RMA INTERNATIONAL
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HUNTINGTON BEACH, CA 92648
P (562) 618-0119 EMAIL: rma@landscapes.com

08-31-22 CITY COMMENTS			
NO	REVISIONS	APPR	DATE
CITY OF GARDEN GROVE			
BRIDGE AND LANDSCAPE RENOVATION PROJECT CIVIC CENTER BUILDING			
GRADING & DRAINAGE PLAN & DETAILS			
APPROVED:			
RECOMMENDED:	CITY ENGINEER	RCE NO.	DATE
SUBMITTED:	GP ENGINEER	RCE NO.	DATE
ROBERT MCMAHON		CA # 3463	
PROJECT LANDSCAPE ARCHITECT		RCE NO.	DATE
DRAWN BY:	RJM	DATE:	08-31-22
		SHT:	OF: 10

ATTENTION
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FOR UNDERGROUND SERVICE ALERT CALL: 1-800-422-4133



CONSTRUCTION CALLOUTS

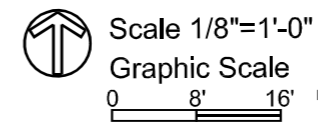
- 1 (WESTSIDE BRIDGE LOCATION)
CONSTRUCT NEW BRIDGE WITH STEEL BEAMS, CONCRETE PAVING, STEEL RAILINGS AND HANDRAILS AND STONE VENEER CLADDING ON (4) EXISTING CONCRETE PEDESTALS. SEE DETAILS ON SHEETS LD-1.1 & LD-1.2. SEE STRUCTURAL DETAILS.
- 2 (WESTSIDE BRIDGE LOCATION)
CONSTRUCT NEW 6" THICK INTEGRAL & WOOD BOARDWALK PLANK TEXTURED CONCRETE PAVING WITH STEEL REINFORCEMENT SEE DETAIL, SHEET LD-1. AND DETAIL 1, SHEET LD-2. SEE STRUCTURAL DETAILS
- 3 (EASTSIDE OLD BRIDGE LOCATION)
CONSTRUCT NEW 4" THICK INTEGRAL COLORED CONCRETE PAVING WITH TOPCAST # 3 FINISH AND WITH STEEL REINFORCEMENT SEE DETAIL 1, SHEET LD-2.
- 4 CONSTRUCT NEW 4" THICK INTEGRAL COLORED CONCRETE PAVING WITH TOPCAST # 3 FINISH AND WITH STEEL REINFORCEMENT SEE DETAIL 1, SHEET LD-2.
- 5 FURNISH AND INSTALL 3" THICK DECOMPOSED GRANITE PAVING WITH 6 MIL WEED BARRIER AND STEEL METAL EDGING.(ALL SIDES ADJACENT TO PLANTER AREAS). SEE DETAIL 2, SHEET LD-2.
- 6 FURNISH AND INSTALL 3" TO 5" DIAMETER GROUTED MEXICAN BEACH PEBBLE MIXED COLOR COBBLESTONE OVER INTEGRAL COLORED CONCRETE BASE. SEE DETAIL 5, SHEET LD-2.
- 7 FURNISH AND INSTALL (B) REAL ROCK APACHE SUNSET BOULDERS BOULDERS (QTY. 18) 2'-0 TO 3'-0" DIAMETER AVAILABLE AT: SOUTHWEST BOULDERS (714)-882-1010 SEE DETAIL 4, DETAIL LD-2.
- 8 FURNISH AND INSTALL STEEL METAL EDGING WITH GROUND STAKES. NOTE: INSTALL EDGING ALONG (ALL BORDER EDGES) OF DECOMPOSED GRANITE PATHWAY) SEE DETAIL 3 SHEET PD-1.
- 9 FURNISH AND INSTALL (8) 8" DIAMETER DRAINAGE STANDPIPE WITH GRAY AREA DRAIN CAP. SEE DETAIL 3, SHEET LD-2

PA- TYPICAL PLANTER AREA WITH NEW TOPSOIL AND SOIL AMENDMENTS AND BARK MULCH SEE PLANTING PLAN SHEET

1. ALL DIMENSIONS ARE TAKEN FROM FACE OF BUILDING WALLS OR EDGE OF PAVING, UNLESS OTHERWISE NOTED ON PLAN. THE DIMENSIONS ARE SHOWN FOR APPROXIMATE LINE AND ALL RADII AND CURVES ARE TO HAVE CONTINUOUS AND SMOOTH TRANSITIONS WITHOUT ABRUPT CHANGES OR BENDS.
2. ALL FORMS AND ALIGNMENT OF PAVING SHALL BE APPROVED BY CITY REPRESENTATIVE AND LANDSCAPE ARCHITECT PRIOR TO POURING.
3. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES BY MEANS OF STAKING AND MARKING PRIOR TO CONSTRUCTION AND SHALL BE HELD LIABLE FOR ALL DAMAGES INCURRED.
4. CONTRACTOR SHALL NOTE AND INSTALL ALL SLEEVES SHOWN ON IRRIGATION PLAN, CONSTRUCTION PLANS AND LIGHTING PLAN PRIOR TO INSTALLATION OF PAVING.
5. ALL CONSTRUCTION AND WORKMANSHIP SHALL CONFORM TO LOCAL CODES.
6. CONTRACTOR MUST CHECK ALL DIMENSIONS, FRAMING CONDITIONS AND SITE CONDITIONS BEFORE STARTING WORK. LANDSCAPE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES OR DEFICIENCIES.
7. CONDITIONS NOT SPECIFICALLY SHOWN SHALL BE CONSTRUCTED SIMILAR TO THE DETAILS FOR THE RESPECTIVE MATERIALS.
8. THE DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. ALL BRACING, TEMPORARY SUPPORTS, SHORING, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

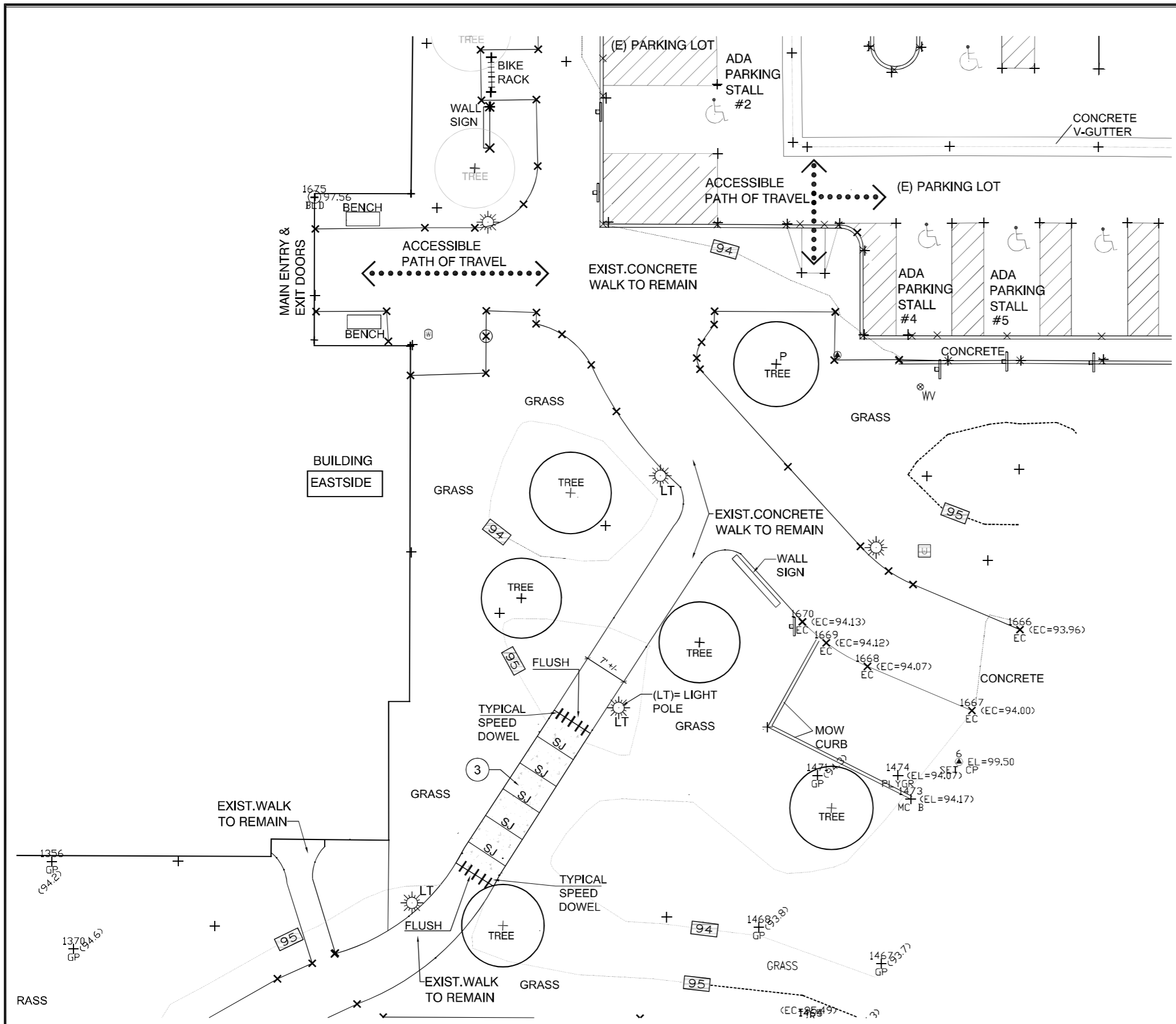
LEGEND	
SYMBOL	DESCRIPTION
⊕	CENTER OF RADIUS
R	RADIUS
PA	PLANTER AREA
↔	ALIGN
EJ	EXPANSION JOINT (FULL DEPTH)
SJ	CONTROL JOINT
P.O.B.	POINT OF BEGINNING
	SPEED DOWEL (TO EXISTING PAVING)
DG	STABILIZED DECOMPOSED GRANITE SEE DETAIL 2, SHEET LD-2
CB	GROUTED COBBLESTONE SEE DETAIL 5, SHEET LD-2
LT	LIGHT POLE

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REVISIONS			
NO	DESCRIPTION	APPR	DATE
CITY OF GARDEN GROVE BRIDGE AND LANDSCAPE RENOVATION PROJECT CIVIC CENTER BUILDING			
CONSTRUCTION MATERIALS & LAYOUT PLAN			
APPROVED:	CITY ENGINEER	RCE NO.	DATE
RECOMMENDED:	CP ENGINEER	RCE NO.	DATE
SUBMITTED:	ROBERT MCMAHON	CA # 3463	DATE
DRAWN BY:	RJM	DATE:	02-08-22



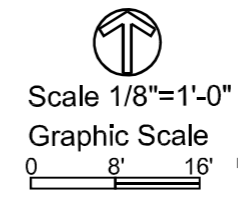
CONSTRUCTION CALLOUTS

- 3 (EASTSIDE OLD BRIDGE LOCATION)
CONSTRUCT NEW 4" THICK INTEGRAL COLORED CONCRETE PAVING WITH TOPCAST # 3 FINISH AND WITH STEEL REINFORCEMENT SEE DETAIL 1, SHEET LD-2.

LEGEND

SYMBOL	DESCRIPTION
⊕	CENTER OF RADIUS
R	RADIUS
PA	PLANTER AREA
↔	ALIGN
EJ	EXPANSION JOINT (FULL DEPTH)
SJ	CONTROL JOINT
P.O.B.	POINT OF BEGINNING
	SPEED DOWEL (TO EXISTING PAVING)
DG-	STABILIZED DECOMPOSED GRANITE SEE DETAIL 2, SHEET LD-2
CB-	GROUTED COBBLESTONE SEE DETAIL 5, SHEET LD-2
LT-	LIGHT POLE

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	RJM	02-08-22	SHT. OF SITS

NOTE: CONTRACTOR TO ENSURE ALL WIRING FOR REMOTE CONTROL VALVES IS CONNECTED AND PROGRAMMED TO EXISTING TIME CLOCK CONTROLLER

EXISTING 2" MAINLINE TO REMAIN FOR USE (VERIFY LOCATION IN FIELD)

(EXIST.- 1A)	(NEW- 1A)
1	1
1"	1 1/2"
7	25

(EXISTING) REMOVE AND REPLACE WITH NEW 1 1/2" REMOTE CONTROL VALVE AND NEW PRESSURE REGULATOR WITH FILTER

LEGEND

HYDROZONES FOR NEW SHRUB AREAS AND AROUND EXISTING AND ALL NEW TREE(S) TRUNK BASE
 MANUFACTURER: RAINBIRD XFS0612500-XFS SUB-SURFACE DRIPLINE WITH COPPER SHIELD 0.6 GPH, 12" SPACING
 1/2" DRIP DISTRIBUTION TUBING WITH 12" O.C. SPACING. USE RAINBIRD DRIP COMPRESSION FITTINGS AND ACCESSORIES FOR ALL CONNECTIONS. DRIP TUBING TO BE INSTALLED 2" (INCHES) BELOW GRADE. REFER TO DETAILS N, O, P, Q & R SHEET ID-1 FOR LOCATIONS AT EACH DRIP CIRCUIT

ZONE 1	ZONE 2
2200 SQ.FT.	2085 SQ.FT.

SYMBOL MANUFACTURER/MODEL/DESCRIPTION

- RAINBIRD 1812-PRS TURF HIGH POP-UP 180° PSI-20 GPM-1.5 RADIUS-14 FT NOZZLE-15 H SEE DETAIL B SHEET ID-1
- RAINBIRD 1812-PRS TURF HIGH POP-UP 90° PSI-20 GPM-0.8 RADIUS-14 FT NOZZLE-15 Q SEE DETAIL B SHEET ID-1
- (EXISTING) - SUPERIOR 950 1" REMOTE CONTROL VALVE ASSEMBLY (REMOVE AND INSTALL NEW)
 SUPERIOR 950 1 1/2" REMOTE CONTROL VALVE WITH NEW RAINBIRD RBY INLINE DRIP PRESSURE REGULATOR (PR) AND FILTER COMBINATION
 MODEL: XCZ-150-LCS-1 1/2" SIZE WITH NEW JUMBO VALVE BOX AND GREEN LOCKING COVER. SEE DETAIL-A & E SHEET-ID-1. INSTALL IN SHRUB PLANTING AREAS (ONLY)
- (HI) HUNTER INDUSTRIES ECO INDICATOR 6" POPUP CONNECT TO SCH40 LATERAL LINE AT END OF EACH DRIP SYSTEM ZONE.
- RAINBIRD FLUSH VALVE (FV); PLASTIC BALL VALVE AND AIR RELIEF (AR) WITH GREEN VALVE BOX AND LOCKING COVER LOCATE AT END OF EACH DRIP SYSTEM ZONE SEE DETAIL C SHEET ID-1
- (EXISTING) IRRIGATION MAINLINE: 2" DIAMETER PVC SCHEDULE 40. SEE DETAIL F SHEET ID-1
- NEW- IRRIGATION LATERAL LINE: SCHEDULE 40 IRRIGATION PIPE. SIZES ARE INDICATED ON THE PLAN. (MINIMUM SIZE 3/4") BURY 18" MIN. BELOW FINISH GRADE SEE DETAIL-F, SHEET ID-1
- NEW- PIPE SLEEVE: PVC SCHEDULE 40 TYPICAL PIPE SLEEVE FOR IRRIGATION PIPE. PIPE SLEEVE SIZE SHALL ALLOW FOR IRRIGATION PIPING AND THEIR RELATED COUPLINGS TO EASILY SLIDE THROUGH SLEEVING MATERIAL. EXTEND SLEEVES 18 INCHES BEYOND EDGES OF PAVING OR CONSTRUCTION. BURY 24" MIN. BELOW PAVING. SEE DETAIL F SHEET ID-1.

NOTE: SCOPE OF WORK AREA REMOVE ALL LATERAL LINES AND SAVAGE POP UP HEADS (DELIVER TO CITY MAINTENANCE STAFF)

(EXIST.- 18B)	(NEW- 18B)
18	18
1"	1 1/2"
15	25

(EXISTING) REMOVE AND REPLACE WITH NEW 1 1/2" REMOTE CONTROL VALVE AND NEW PRESSURE REGULATOR WITH FILTER

EXISTING 2" MAINLINE (VERIFY LOCATION IN FIELD)

(CB) GROUTED COBBLESTONE (TYPICAL)

BUILDING WESTSIDE

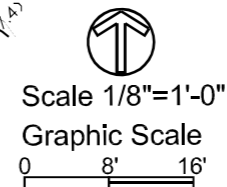
NOTE: (TYPICAL) INSTALL NEW SCH 40 SLEEVE FOR MAINLINE WHERE NEW COBBLESTONE IS BEING INSTALLED

NOTE: FOR ALL NEW AND EXISTING TREES WRAP DRIP TUBING AROUND TREE ROOT BASE (3X'S) THREE TIMES. KEEP 12" AWAY FROM TREE TRUNK (TYPICAL)

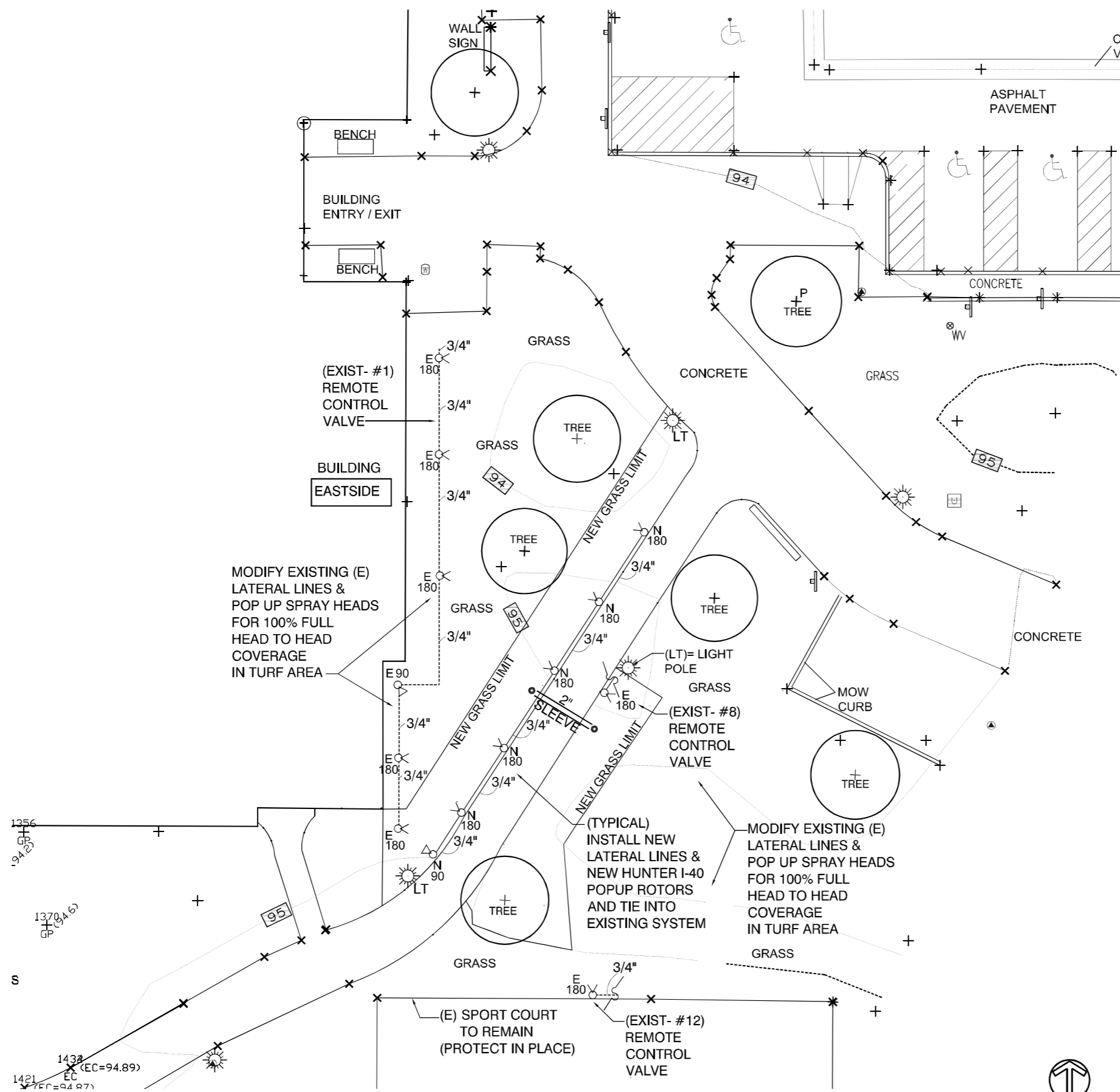
CUT AND CAP (E) LATERAL LINE FROM REMOTE CONTROL VALVE # 20

EXISTING MAINLINE TO REMAIN FOR USE (VERIFY IN FIELD LOCATION)

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NO	REVISIONS	APPR	DATE
CITY OF GARDEN GROVE			
BRIDGE AND LANDSCAPE RENOVATION PROJECT CIVIC CENTER BUILDING			
IRRIGATION PLAN			
APPROVED:			
RECOMMENDED:	CITY ENGINEER	RCE NO.	DATE
SUBMITTED:	CP ENGINEER	RCE NO.	DATE
ROBERT MCMAHON	PROJECT LANDSCAPE ARCHITECT	CA # 3463	DATE
DRAWN BY:	RJM	DATE:	02-06-22
			SHT. OF 9 SITS



- LEGEND**
HYDROZONES FOR NEW SHRUB AREAS AND AROUND EXISTING AND ALL NEW TREES TO 1/4" BASE
- SYMBOL MANUFACTURER/MODEL/DESCRIPTION**
- RAINBIRD 1812-PRS TURF HIGH POP-UP 180° PSI-20 GPM-1.5 RADIUS-14 FT NOZZLE-15 H SEE DETAIL B SHEET ID-1
 - RAINBIRD 1812-PRS TURF HIGH POP-UP 90° PSI-20 GPM-0.8 RADIUS-14 FT NOZZLE-15 Q SEE DETAIL B SHEET ID-1
 - NEW-IRRIGATION LATERAL LINE: SCHEDULE 40 IRRIGATION PIPE. SIZES ARE INDICATED ON THE PLAN. (MINIMUM SIZE 3/4") BURY 18" MIN. BELOW FINISH GRADE SEE DETAIL-F, SHEET ID-1
 - NEW-PIPE SLEEVE: PVC SCHEDULE 40 TYPICAL PIPE SLEEVE FOR IRRIGATION PIPE. PIPE SLEEVE SIZE SHALL ALLOW FOR IRRIGATION PIPING AND THEIR RELATED COUPLINGS TO EASILY SLIDE THROUGH SLEEVING MATERIAL. EXTEND SLEEVES 18 INCHES BEYOND EDGES OF PAVING OR CONSTRUCTION. BURY 24" MIN. BELOW PAVING. SEE DETAIL F SHEET ID-1.

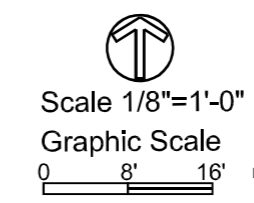
MODIFY EXISTING (E) LATERAL LINES & POP UP SPRAY HEADS FOR 100% FULL HEAD TO HEAD COVERAGE IN TURF AREA

(TYPICAL) INSTALL NEW LATERAL LINES & NEW HUNTER I-40 POPUP ROTORS AND TIE INTO EXISTING SYSTEM

MODIFY EXISTING (E) LATERAL LINES & POP UP SPRAY HEADS FOR 100% FULL HEAD TO HEAD COVERAGE IN TURF AREA

(E) SPORT COURT TO REMAIN (PROTECT IN PLACE)

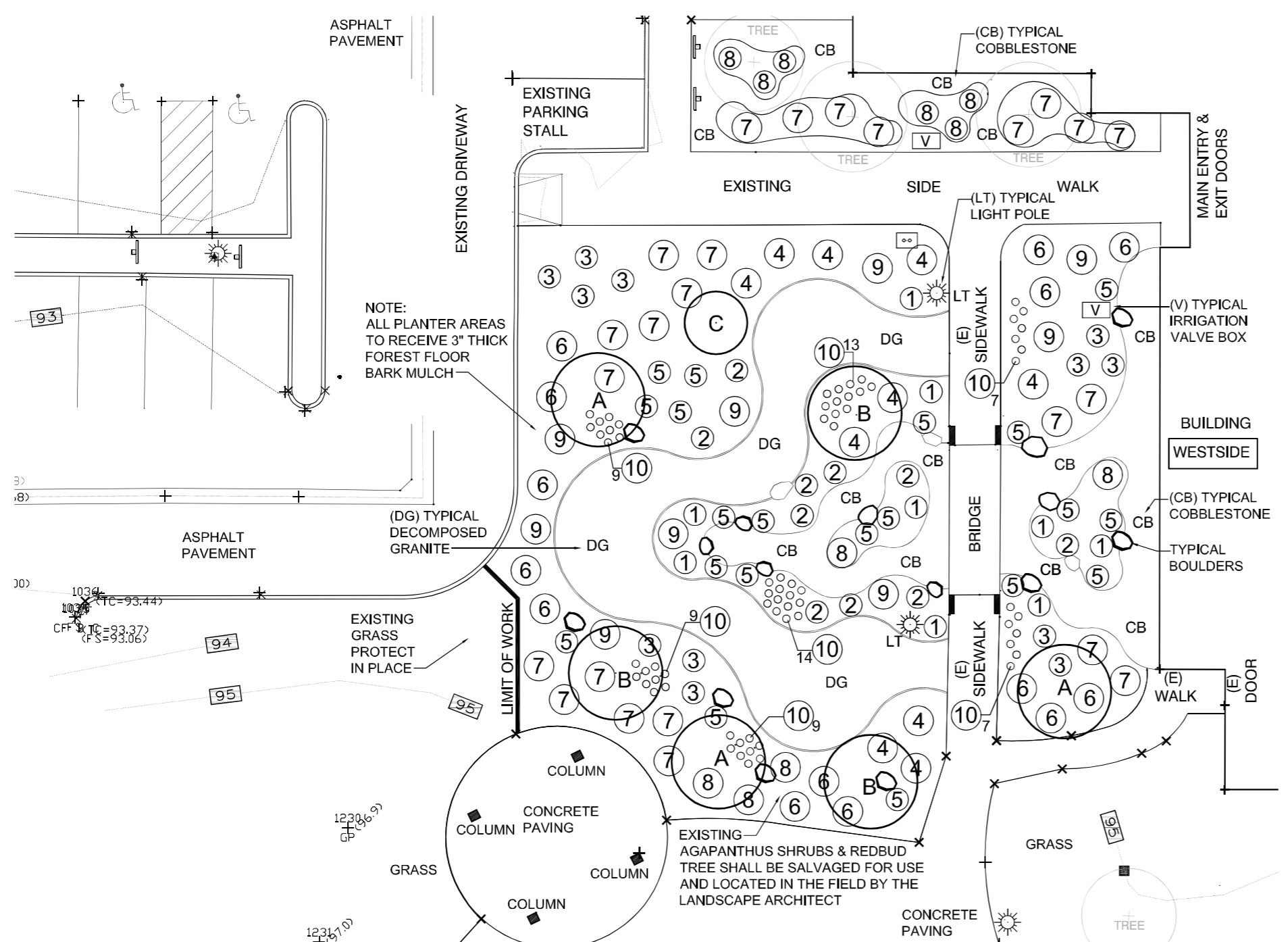
(EXIST- #12) REMOTE CONTROL VALVE



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NO	REVISIONS	APPR	DATE
CITY OF GARDEN GROVE			
BRIDGE AND LANDSCAPE RENOVATION PROJECT CIVIC CENTER BUILDING			
IRRIGATION PLAN			
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PROJECT LANDSCAPE ARCHITECT			
DRAWN BY:	RJM	DATE:	02-06-22
SHEET	L-8	OF	9/15

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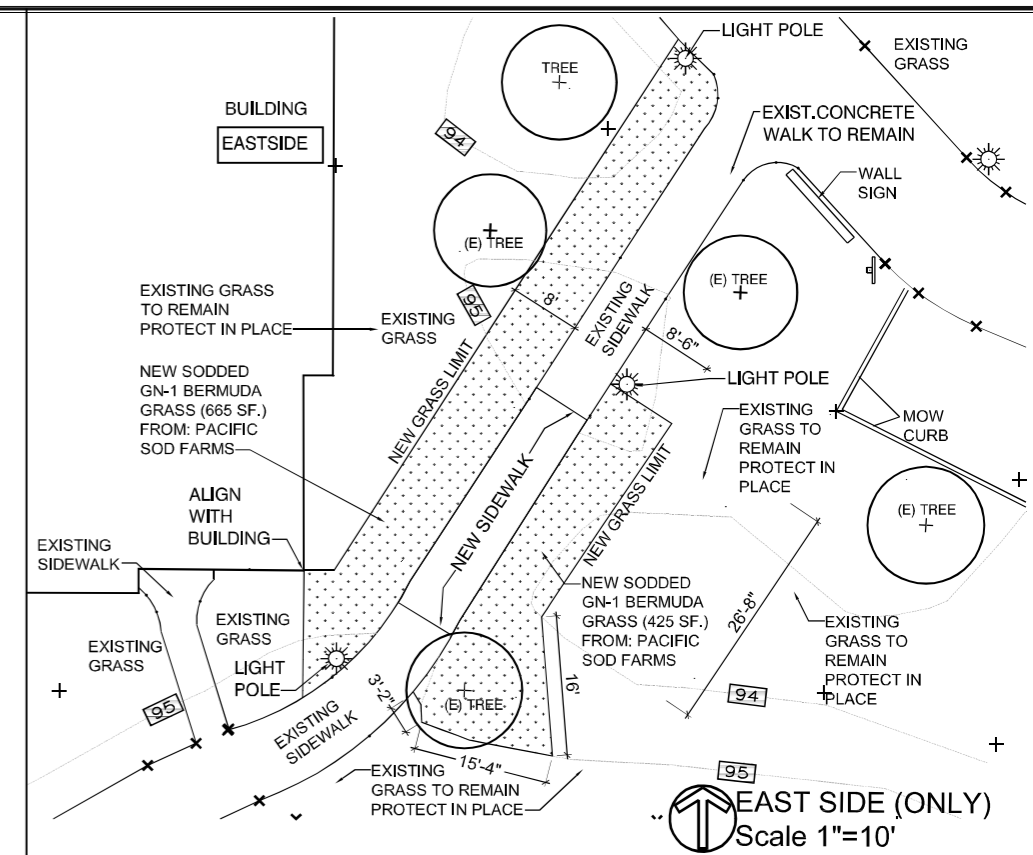


NOTE:
ALL PLANTER AREAS
TO RECEIVE 3" THICK
FOREST FLOOR
BARK MULCH

PLANTING LEGEND

TREE SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QTY.
(A)	CHITALPA 'TASHKENDENSIS'	CHITALPA	24" BOX STD.	3
(B)	CERCIDIUM X 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	24" BOX STD.	3
(C)	CERCIS CANADENSIS	REDBUD TREE	(RELOCATED)	1

SHRUBS SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QTY.
(1)	ACHILLEA MILLEFOLIUM 'MOONSHINE'	MOONSHINE YARROW	1g	9
(2)	ANIGOZANTHOS FLAVIDUS	KANGAROO PAW YELLOW AND RED MIX	5g	10
(3)	CALANDRINA SPECTABILIS	JAZZ TIME JADE	5g	12
(4)	CALLISTEMON CITRINUS	LITTLE JOHN BOTTLEBRUSH	5g	10
(5)	CHONDROPETALUM	DWARF CAMPO RUSH	1g	20
(6)	DIANELLA TASMANICA VARIEGATED	WHITE STRIPED FLAX LILY	5g	14
(7)	LANTANA MONTEVIDENSIS 'ALBA'	WHITE LANTANA	5g	24
(8)	PEROVSKIA 'DEMIN N LACE'	RUSSIAN SAGE	5g	11
(9)	POLYGALA MYRTIFOLIA	DWARF SWEET PEA	5g	9
(10)	SENECIO SERPENS	BLUE CHALKSTICKS DWARF	6" POTS	68

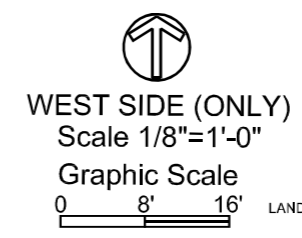


EAST SIDE (ONLY)
Scale 1"=10'

GENERAL PLANTING NOTES

1. MAINTAIN A QUALIFIED SUPERVISOR ON THE SITE AT ALL TIMES DURING CONSTRUCTION THROUGH COMPLETION OF PICK-UP WORK.
2. VERIFY ALL PLANT MATERIAL QUANTITIES PRIOR TO INSTALLATION. PLANT MATERIAL QUANTITIES LISTED FOR CONVENIENCE OF CONTRACTOR. ACTUAL NUMBER OF SYMBOLS SHALL HAVE PRIORITY OVER QUANTITY DESIGNATED.
3. FURNISH AND PAY FOR ALL CONTAINER GROWN TREES, SHRUBS AND SODDED GRASS. BE RESPONSIBLE AND PAY FOR: PLANTING OF ALL PLANT MATERIALS; THE SPECIFIED GUARANTEE OF ALL PLANT MATERIALS; THE STAKING OF TREES AND THE CONTINUOUS PROTECTION OF ALL PLANT MATERIALS UPON THEIR ARRIVAL AT THE SITE.
4. FURNISH AND INSTALL 3" THICK COVER OF FOREST FLOOR FROM AGUINAGA GREEN (949)-786-9558
5. CONTRACTOR SHALL FURNISH PHOTOGRAPHS OF PLANT MATERIAL FOR APPROVAL PRIOR TO DELIVERY ONSITE. ALL PLANTS SHALL BE FULL IN THE CONTAINER AND MATCHING HEIGHT AND WIDTH WITH NO DEAD WOOD. SEE PLANT IMAGERY SHEET (INCLUDED) AS REPRESENTATION FOR SIZE AND QUALITY. ALL PLANT MATERIAL SHALL BE SUBJECT TO APPROVAL AND / OR REJECTION BY THE LANDSCAPE ARCHITECT AND / OR CITY REPRESENTATIVE PRIOR TO INSTALLATION.
6. ALL PLANT MATERIAL SHALL BE SELECTED AND SPOTTED BY THE LANDSCAPE ARCHITECT OR CITY REPRESENTATIVE.
7. ALL SOIL PREPARATION SHALL BE INSTALLED AS PER THE SOIL AGRONOMY REPORT TO BE PROVIDED AND PAID FOR BY THE CONTRACTOR. THE REPORT SHALL BE IMMEDIATELY FORWARDED TO THE LANDSCAPE ARCHITECT UPON COMPLETION.
8. CONTRACTOR SHALL PROVIDE A SOILS AGRONOMY REPORT FROM AN APPROVED SOILS LABORATORY AND/OR ANY ADDITIONAL SPECIFICATION PROVIDED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION OF PLANT MATERIALS.
9. THIRTY (30) DAYS AFTER INSTALLATION ALL LANDSCAPE SHALL BE FERTILIZED WITH BEST FERTILIZER COMPANY 16-8-8 OR APPROVED EQUAL, APPLIED AT THE RATE OF SIX POUNDS (6 LBS.) PER 1,000 SQUARE FEET. FERTILIZER APPLICATION SHALL BE CONTINUED THEREAFTER AT MONTHLY INTERVALS.
10. FERTILIZER TABLETS SHALL BE AGRIFORM, 21 GRAM TABLETS (20-10-5) IN QUANTITIES AS FOLLOWS:
1 GALLON SHRUBS - 1
5 GALLON SHRUBS - 3
BOXED TREES - 1 PER 4" OF BOX SIZE
PLACE TABLETS AT HALF THE DEPTH OF THE ROOTBALL.
11. FOR ALL NEW TREES, REMOVE NURSERY STAKES AND INSTALL NEW WOOD STAKES AND SECURE PER TREE PLANTING DETAIL SHOWN SHEET PD-1.
12. RELOCATED REDBUD TREE AND AGAPANTHUS SHRUBS; APPLY LIQUINOX 6128 WESTERN STATES B-1 ROOT INHIBITOR AT THE RATE PER MANUFACTURERS RECOMMENDATIONS.

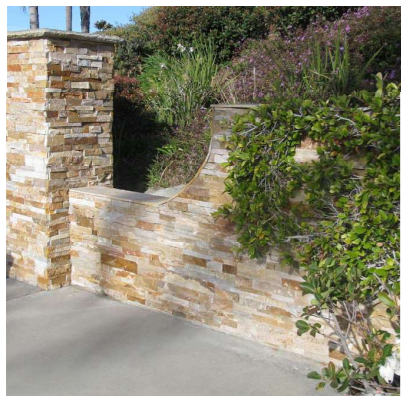
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NO.	REVISIONS	APPR.	DATE
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CIVIC CENTER BUILDING			
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APPROVED:			
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	RJM	02-06-22	SHT. OF 9/15

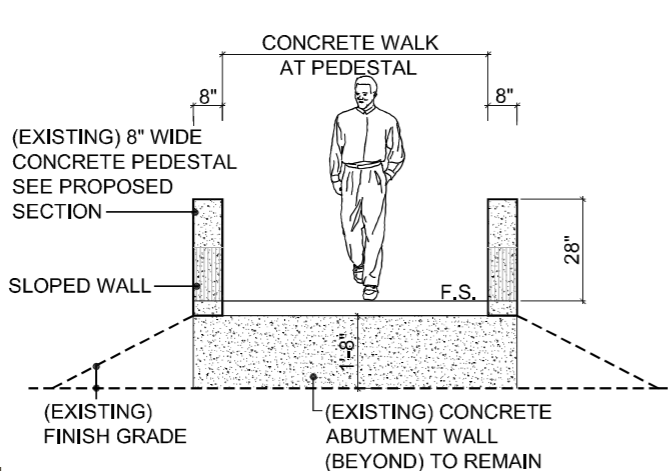
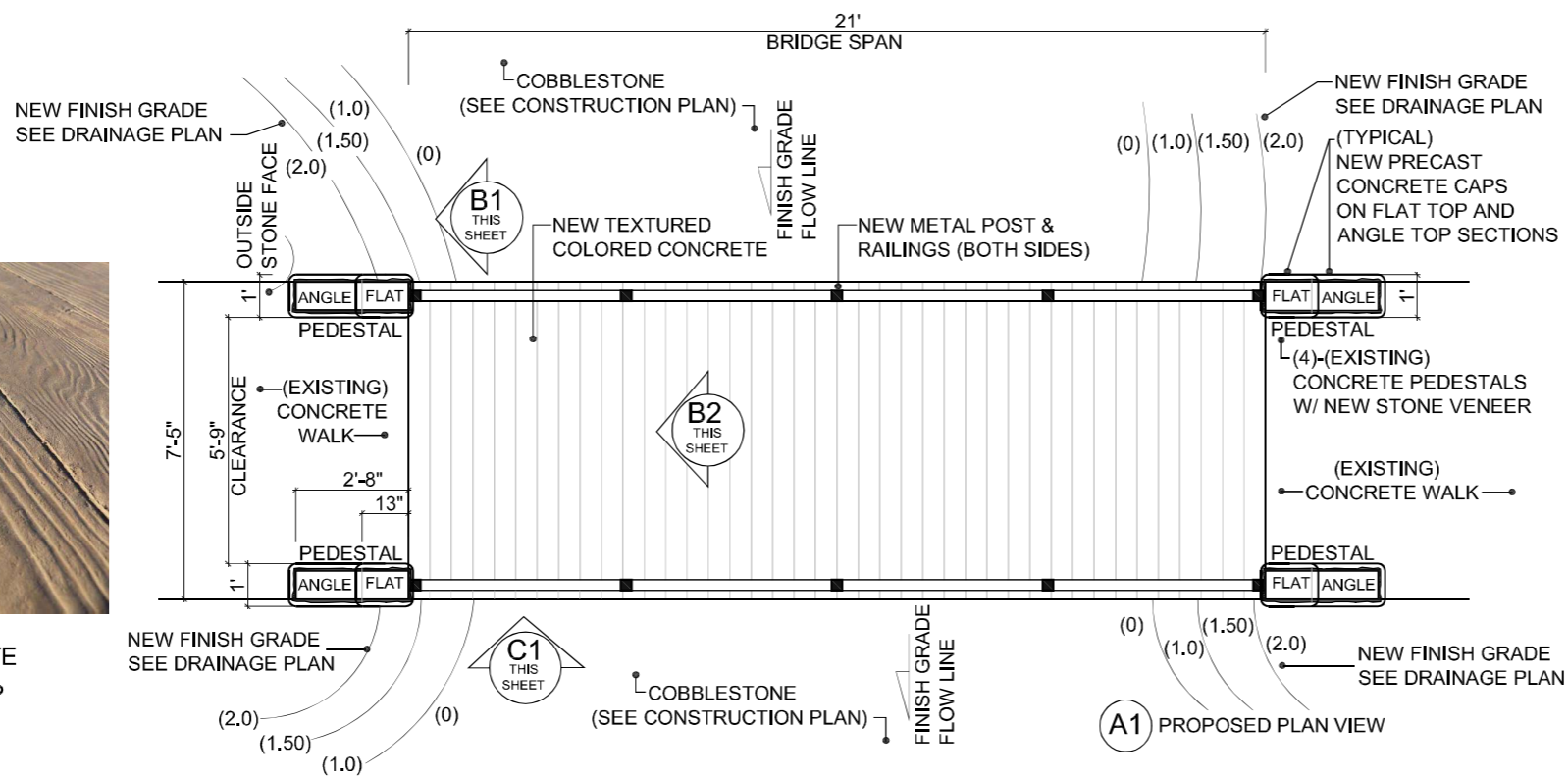


**BOMANITE CONCRETE
WOOD PLANK STAMP**

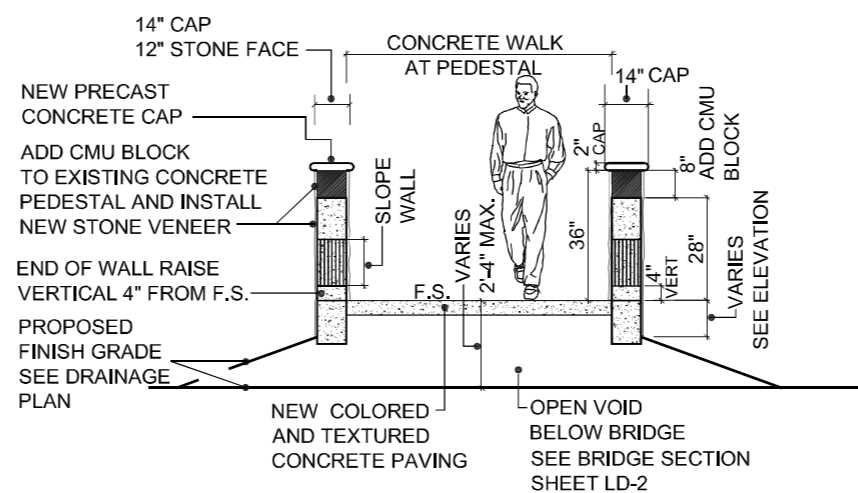


**NSR DESERT STONE
DRESSED PANELS**

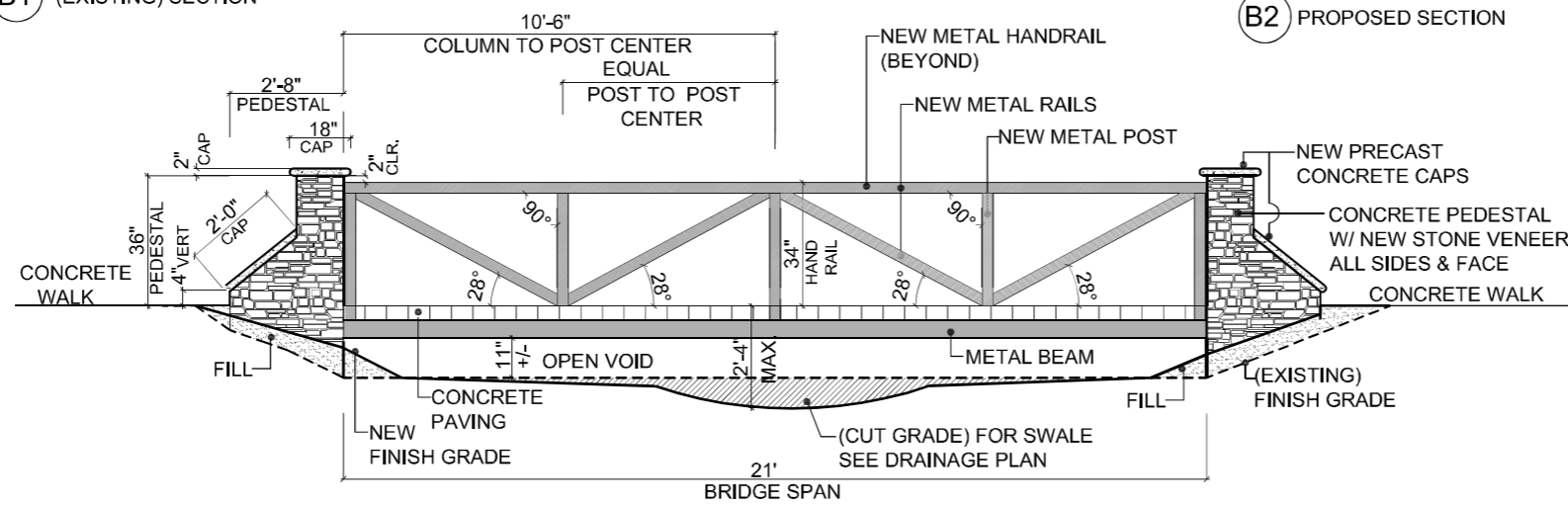
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B1 (EXISTING) SECTION



B2 PROPOSED SECTION



C1 PROPOSED ELEVATION

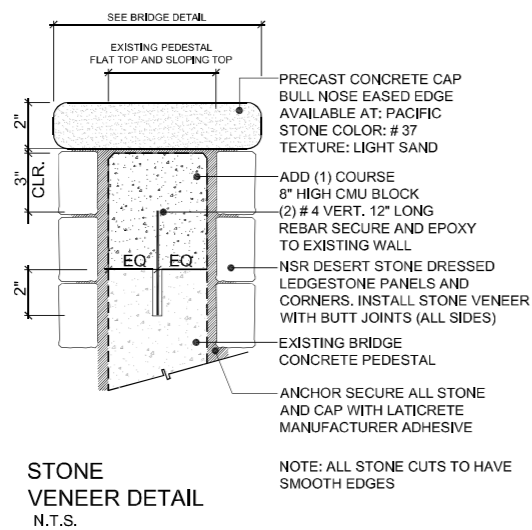
CONSTRUCTION NOTES

- FURNISH AND INSTALL STONE VENEER INTERLOCKING PANELS (ALL EXPOSED FACE AND CORNERS) ON (4) FOUR PEDESTALS: NSR DESERT STONE DRESSED INTERLOCKING PANELS 6" H X 24" L. PART NO: QRTDESGLDPANELDR WITH DRESSED DOGEAR CORNERS. PART NO:QRTDESGLDDOGEARDR AVAILABLE AT: THOMPSON BUILDING MATERIALS (714)-998-9337
- ALL STONE VENEER INTERLOCKING PANEL FACE AND CORNERS SHALL HAVE FLUSH BUTT JOINTS. ANCHOR SECURE ALL STONE WITH LATICRETE MANUFACTURER ADHESIVE. APPLY PER MANUFACTURERS SPECIFICATION
- ALL EXPOSED STONE AND PRECAST CONCRETE PEDESTAL CAPS SHALL RECEIVE (3) THREE COATS OF ZERO GLOSS VANDL GUARD MANUFACTURER ANTO-GRAFITTI COAT APPLICATIONS WITH A MICRO-SEAL WATER REPELLENT APPLICATION FOR A (5) FIVE YEAR MATERIAL WARRANTY PROTECTION (630)-675-4509
- FURNISH AND INSTALL PRECAST COLORED CONCRETE CAPS FOR EXISTING CONCRETE PEDESTALS SIZES (FLAT TOP CAP) 15" L X 12" W & (ANGLE CAP) 26" L X 12" W X 2" THICK WITH EASED EDGES WC-200 SERIES. COLOR: #37 BUFF / BROWN AVAILABLE AT: PACIFIC STONE (714)-836-5757 SEE DETAIL THIS SHEET.
- FABRICATE AND INSTALL HSS TUBULAR STEEL METAL BEAMS PER STRUCTURAL ENGINEER PLAN. PAINT COLOR TO MATCH METAL RAILINGS AND POST. COLOR: RAL 8019 GRAY BROWN
- FABRICATE AND INSTALL ALL METAL RAILINGS, POSTS, ANCHOR PLATES AND FASTENING/ ANCHORING DEVICES. ALL METAL STEEL SHALL BE PER STRUCTURAL PLAN. ALL EXPOSED METAL SHALL BE PRIMED AND POWDER COATED COLOR: RAL 8019 GRAY BROWN
- CONSTRUCT NEW 6" THICK INTEGRAL COLORED CONCRETE PAVING, WITH COLOR RELEASING AGENT WITH STEEL REINFORCEMENT. INTEGRAL COLOR: EASTERN TAN 61222 CONCRETE RELEASING COLOR: MESA BEIGE FINISH: BOMANITE IMPRINT SYSTEMS TEXTURED BOARDWALK PATTERN 11.5" (INCH) WIDE PLANK. SEE DETAIL 1, SHEET LD-1.
- FURNISH AND INSTALL ON ALL NEW CONCRETE PAVING (2) TWO COATS WATER BASED PENETRATING SEALER WITH PROSOCO MANUFACTURER. MODEL: CONSOLIDECK SB APPLY PER MANUFACTURERS RECOMMENDATIONS
- CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF METAL BEAMS, RAILINGS, POSTS AND HANDRAILS AND SUBMIT TO CITY REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO FABRICATION AND DELIVERY ON SITE.
- ALL EXPOSED METAL RAILINGS SHALL HAVE SMOOTH EDGES
- METAL HAND RAILS SHALL BE CONTINUOUS AND FREE FROM INTERRUPTIONS



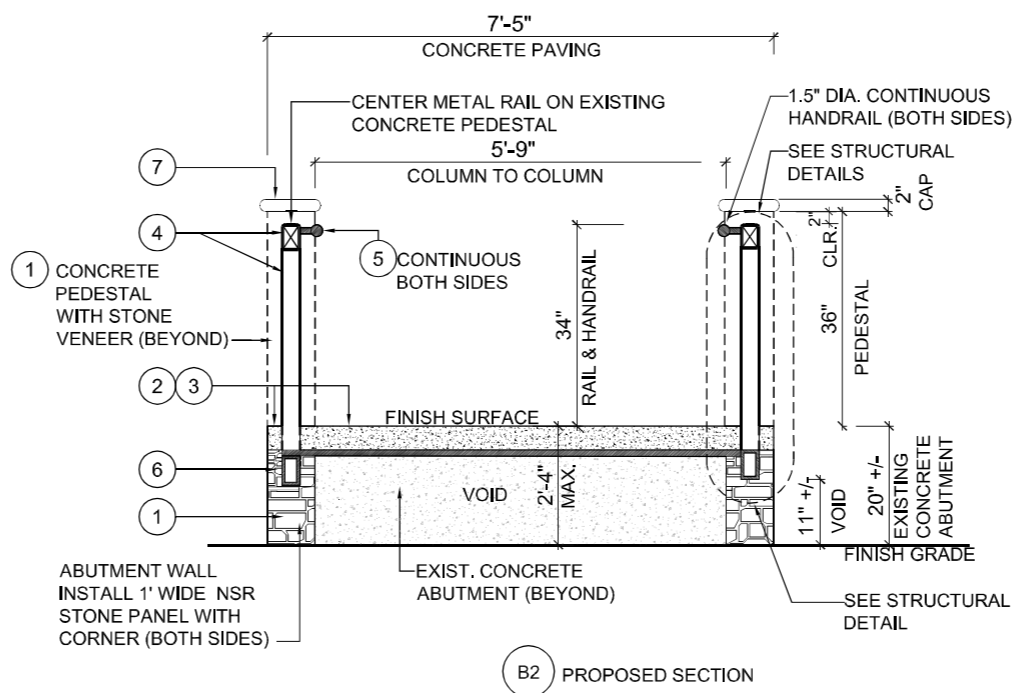
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FJM		03-21-22	SHT. _____ OF _____ SHTS.



STONE VENEER DETAIL
N.T.S.

NOTE: ALL STONE CUTS TO HAVE SMOOTH EDGES



B2 PROPOSED SECTION

CALLOUTS

- 1 INSTALL NSR DESERT STONE DRESSED PANELS WITH CORNERS WITH BUTT JOINTS ON ALL EXPOSED SURFACES FOR (4) PEDESTALS AND CONCRETE ABUTMENT WALLS AS SHOWN
- 2 CONSTRUCT 4" THICK P.C.C. INTEGRAL COLORED CONCRETE PAVING WITH COLOR RELEASING AGENT FOR BRIDGE WALKWAY FINISH: BOMANITE IMPRINT STAMP WOOD PLANK.
- 3 INSTALL 1/4" EXPANSION JOINT, TO BE FULL DEPTH FOAM AND COLOR CAULKING TO MATCH PAVING. (INSTALL AT BOTH ENDS AND MID POINT OF BRIDGE)
- 4 FABRICATE AND INSTALL ALL METAL BRIDGE RAILINGS, POST AND BASE CAPS AND ANCHORING DEVICES PER STRUCTURAL PLAN (TYPICAL) POWDER COAT PAINT COLOR TO BE: RAL 8019 GREY / BROWN.
- 5 FABRICATE AND INSTALL 1.5" DIAMETER CONTINUOUS METAL ADA COMPLIANT HANDRAIL. INSTALL 34" ABOVE FINISH SURFACE BOTH SIDES SEE STRUCTURAL ENGINEER PLAN. (TYPICAL) POWDER COAT PAINT COLOR TO BE: RAL 8019 GREY / BROWN.
- 6 FABRICATE AND INSTALL (2) METAL BEAMS AND METAL SUPPORT POSTS BETWEEN CONCRETE ABUTMENT WALLS PER STRUCTURAL PLAN. (TYPICAL) POWDER COAT PAINT COLOR TO BE: RAL 8019 GREY / BROWN.
- 7 INSTALL 2" THICK PRECAST CONCRETE CAPS ON (4) FOUR EXISTING PEDESTALS AS SHOWN ON ELEVATION. WC-200 SERIES AVAILABLE AT: PACIFIC STONE MANUFACTURER

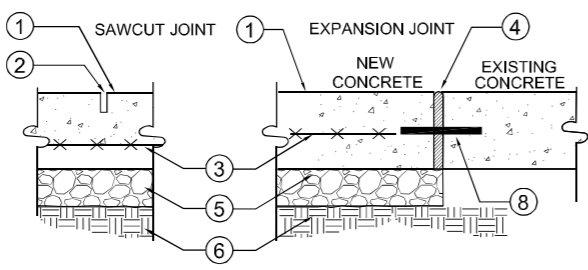
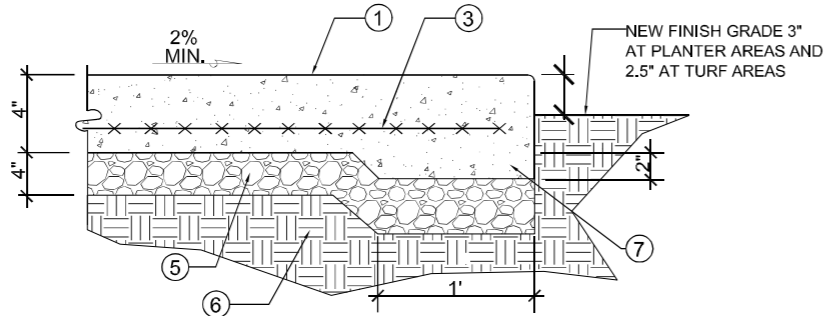
ATTENTION
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RJM	03-21-22		
		SHT	OF
		1	1

- ① 4" THICK SIDEWALKS & 8" THICK ON BRIDGE INTEGRAL COLORED CONCRETE PAVING WITH THICKENED EDGE. SEE PLAN FOR LOCATIONS
- ② 3/16" WIDE SAW-CUT SAW CUT LINE TO ONE QUARTER DEPTH OF CONCRETE SLAB
- ③ STEEL REINFORCEMENT # 4 REBAR @ 18" O.C. BOTH WAYS
- ④ 1/4" EXPANSION JOINT. ALL EXPANSION JOINTS TO BE FULL DEPTH FOAM AND COLOR CAULKING TO MATCH PAVING.
- ⑤ (CAB) COMPACTED AGGREGATE BASE MATERIAL PER SOILS REPORT
- ⑥ COMPACTED SUB-GRADE TO 90%
- ⑦ THICKENED EDGE (TYP.) ALL SLABS.
- ⑧ INSTALL SIKA MANUFACTURER "GREENSTREAK" SPEED DOWEL 5/8" X 12" LENGTH @ 24" O.C.
NOTE: SCORE LINE AND EXPANSION JOINTS SEE PLAN SHEET FOR LAYOUT LOCATIONS



CONCRETE FINISHES

(BRIDGE) NEW CONCRETE PAVING FINISH SHALL BE: BOMANITE WOOD PLANK BOARDWALK

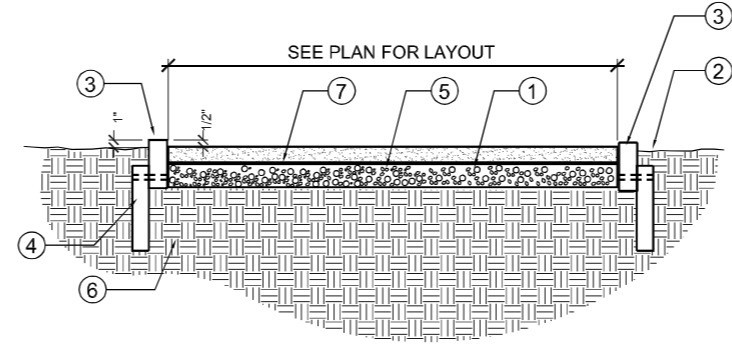
(SIDEWALKS)-NEW CONCRETE PAVING FINISH SHALL BE: TOPCAST # 3

NOTES FOR NEW & EXISTING CONCRETE

- A. ALL NEW CONCRETE PAVING SURFACES SHALL BE SLIP RESISTANT, FINISH PER PLAN.
- B. (NEW CONCRETE); CONTRACTOR SHALL HIGH PRESSURE WASH AND ALL CONCRETE PAVING AFTER CURE PERIOD (EXISTING CONCRETE); SHALL BE HIGH PRESSURE WASHED PRIOR TO INSTALLATION OF PLANT MATERIALS
- C. (NEW CONCRETE); CONTRACTOR SHALL FURNISH AND APPLY (2) TWO COATS WATER BASED PENETRATING SEALER, MANUFACTURER: PROSOCO MODEL: CONSOLIDECK SB APPLY PER MANUFACTURER'S RECOMMENDATIONS
- D. IN ORDER TO DEMONSTRATE COMPETENCY, THE CONTRACTOR SHALL POUR A 2' X 2' COLORED & TEXTURED SAMPLES (BRIDGE AND WALKS) FOR CITY REVIEW AND APPROVAL PRIOR TO WORK

1 CONCRETE PAVING
SCALE: 1/2" = 1'

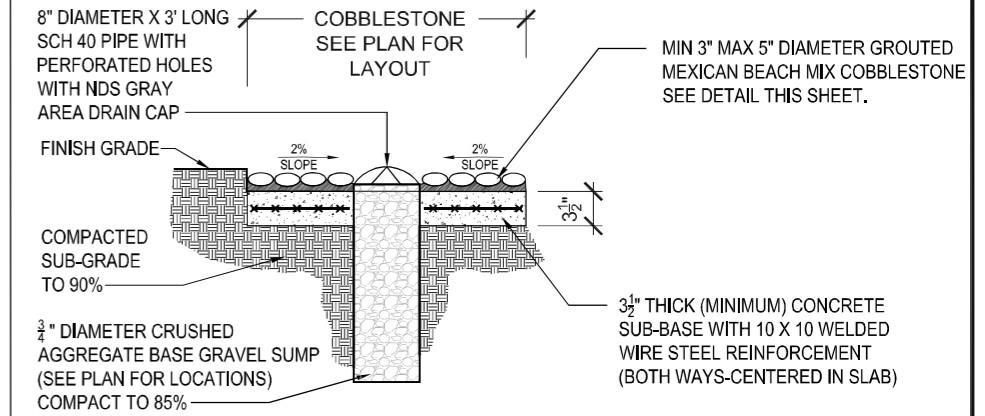
- ① ROLLED AND COMPACTED TO 90% 3" THICK NATRACIL ORGANIC STABILIZED DECOMPOSED GRANITE FROM GAIL MATERIALS PHONE (951)-667-6106 COLOR: CALIFORNIA GOLD
- ② FINISH GRADE
- ③ METAL EDGING SEE DETAIL PD-1 WHERE OCCURS IN PLANTING AREA (NO HEADER ADJACENT TO PAVING)
- ④ RECESSED GROUND STAKE MIN. 12" LONG SEE DETAIL PD-1
- ⑤ 3" THICK CAB COMPACTED SUB-BASE TO 90%
- ⑥ COMPACTED SUB-GRADE TO 90%
- ⑦ 6 MIL VAPOR BARRIER



NOTES:

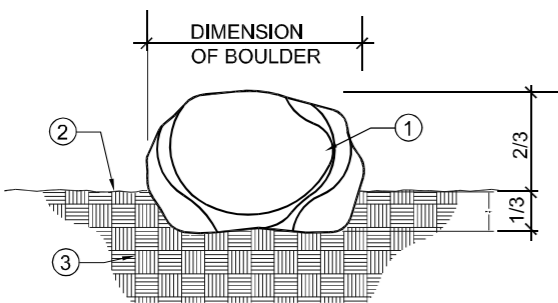
1. BLEND STABILIZER (CAS) AT THE RATE OF 10 LBS. OF STABILIZER PER TON OF CRUSHED AGGREGATE SCREENINGS.
2. APPLY AT THE SPECIFIED DEPTH: 3" COMPACTED DEPTH-1 TON PER 100 SQ. FT.
3. CRUSHED AGGREGATE SCREENINGS (CAS) TO BE MIXED THOROUGHLY AND UNIFORMLY WITH A CEMENT MIXER.
4. 3/8" CRUSHED AGGREGATE SCREENINGS
5. COLOR TO BE: CALIFORNIA GOLD

2 STABILIZED DECOMPOSED GRANITE PAVING
SCALE: 1/2" = 1'



NOTE: INSTALL COBBLESTONE PER DETAIL THIS SHEET AND SPECIFICATIONS

3 STAND PIPE W/ GRAVEL SUMP DRAIN
SCALE: 1/2" = 1'



- ① 2'-6" TO 3'-0" DIAMETER NEW AND / OR RELOCATED BOULDER BURY 1/3 OF BOULDER IN THE GROUND SEE CONSTRUCTION PLAN FOR LOCATIONS
- ② FINISH GRADE
- ③ COMPACTED SUB-GRADE @ 90%

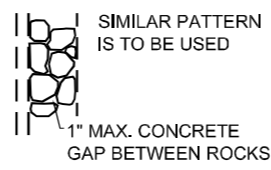
4 BOULDER DETAIL
SCALE: 1/2" = 1'

APACHE SUNSET BOULDERS AVAILABLE AT SOUTHWEST SUPPLY (714)- 882-1010 SEE CONSTRUCTION PLAN FOR LOCATION AND QUANTITY.
NOTE: ALL BOULDERS SHALL BE PLACED IN FIELD UNDER THE DIRECTION OF THE LANDSCAPE ARCHITECT

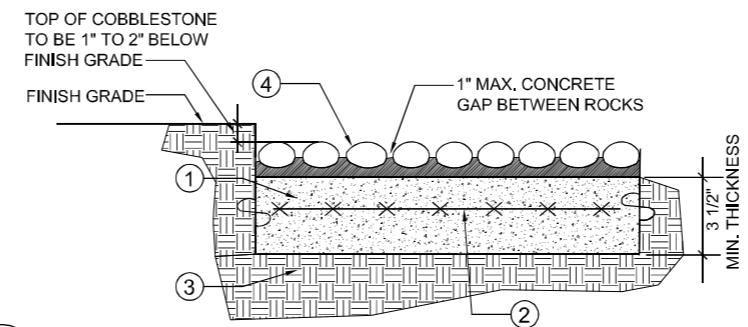
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- ① 3 1/2" THICK (MINIMUM) NATURAL GRAY CONCRETE SUB-BASE
- ② 10 X 10 WELDED WIRE STEEL REINFORCEMENT BOTH WAYS CENTERED IN SLAB.
- ③ 90% COMPACTED SUB-GRADE
- ④ 3" TO 5" DIAMETER ROUND ROCK COBBLESTONE GROUT IN PLACE ALL STONES STONE SPACING 1" GAP MAX. WITH 85% OF GROUT COVERAGE GROUT COLOR: LATICRETE PERMACOLOR #56 DESERT KHAKI

PLAN DETAIL
NOT TO SCALE FOR ILLUSTRATIVE PURPOSES ONLY



COBBLESTONE ROCK: MEXICAN BEACH PEBBLE MIX COLOR 3" TO 5" DIAMETER AVAILABLE AT: SOUTHWEST STONE SUPPLY (714)-882-1010



5 GROUTED COBBLESTONE
SCALE: 1/2" = 1'

- A. ROCK SIZES UNLESS OTHERWISE SPECIFIED SHALL BE: COBBLESTONES: MAX. 3" TO MIN. 5", NO MORE THAN 50% OF ANY ONE SIZE.
- B. A SAMPLE MOCKUP AREA, MIN. 4' X 4' FT. SHALL BE APPROVED BY THE CITY REPRESENTATIVE PRIOR TO PROCEEDING WITH THE REMAINING ROCK WORK.
- C. FINAL RESTING POSITION OF ALL ROCKS SHALL BE APPROVED BY THE CITY REPRESENTATIVE
- D. ROCKS SHALL BE SMOOTH, ROUNDED, FREE OF OBJECTIONABLE DISFIGURATIONS AND IRON CONTENT AS APPROVED BY THE CITY REPRESENTATIVE.
- E. CONCRETE SUB-BASE SHALL BE PER CITY STANDARD, 3 1/2" INCH SLUMP CONCRETE.
- F. GROUT COLOR TO BE: LATICRETE # 56 DESERT KHAKI WIRE BRUSH ALL JOINTS AFTER THE INSTALLATION OF THE ROCKS. CLEAN THE RESIDUE FROM SURFACES OF ROCKS.
- G. NO JOINTS GREATER THAN 1.0" BETWEEN ROCKS WILL BE ACCEPTABLE.



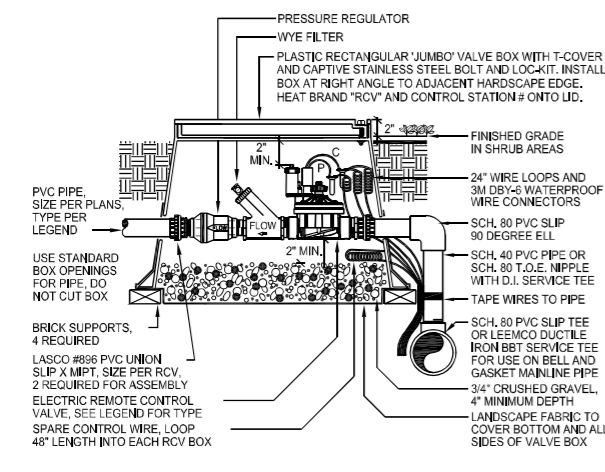
MEXICAN BEACH PEBBLE STONE MIX SIZES: 3" TO 5" DIAMETER



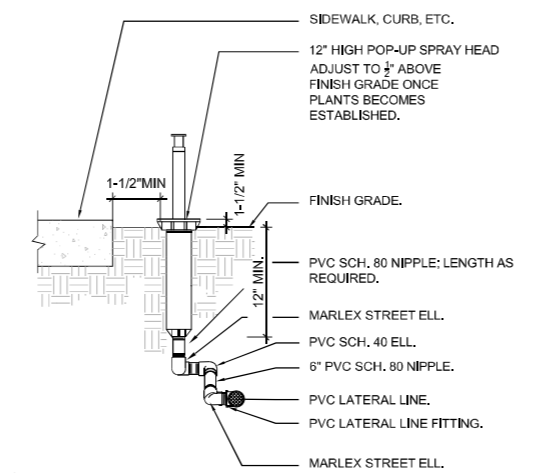
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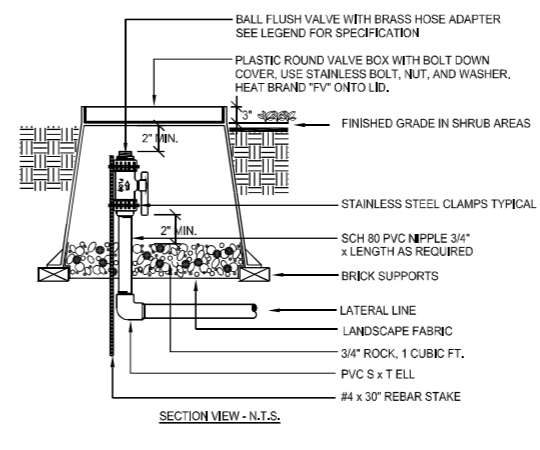
- LEGEND**
- 1" ABOVE FINISH GRADE.
 - NATIVE SOIL PER SPECIFICATIONS.
 - FINISH GRADE.
 - NETAFIM D-3000 AIR/VACUUM RELIEF VALVE (D-500-34).
 - 1/2" PVC COUPLING (X,T).
 - 6" ROUND PLASTIC VALVE BOX - HEAT BRAND "AR" ON LID IN 1" HIGH CHARACTERS.
 - 1/2" SCH 80 PVC NIPPLE (LENGTH AS REQUIRED).
 - BRICK SUPPORTS (7 COMMON BRICKS REQUIRED).
 - PEA GRAVEL (8" DEEP).
 - PVC ELL (SxT) WITH 1/2" THREADED OUTLET.
 - PVC PIPING.
- NOTE: USE ONE AIR/RELIEF VALVE FOR EVERY 7 GPM PER ZONE. LOCATE AT HIGH POINTS. REFER TO NETAFIM PUBLICATION FOR SPECIFICATIONS.



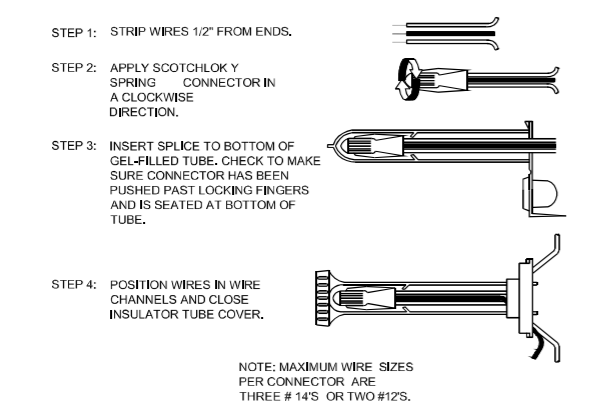
A DRIP REMOTE CONTROL VALVE AND 'Y' FILTER DETAIL
NOT TO SCALE



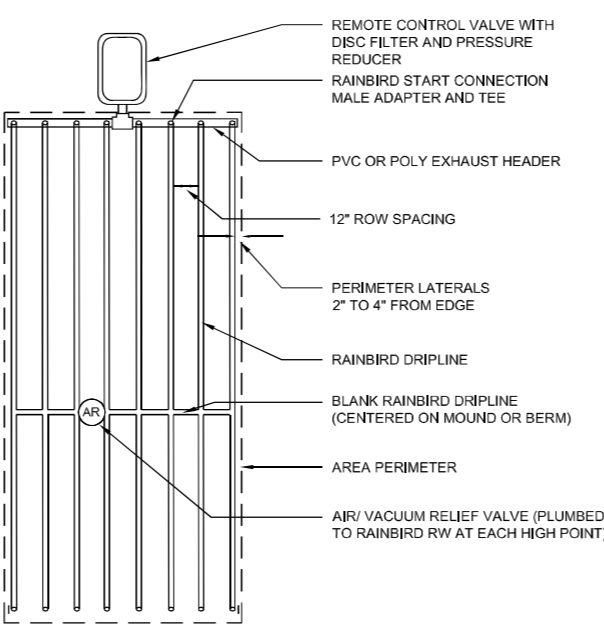
B TURF POP-UP HEAD DETAIL
NOT TO SCALE



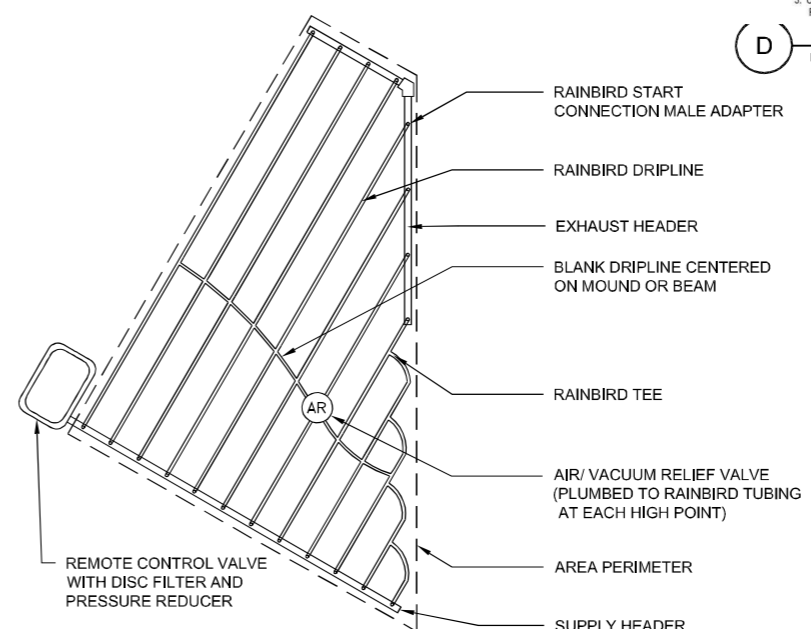
C DRIP FLUSH VALVE
NOT TO SCALE



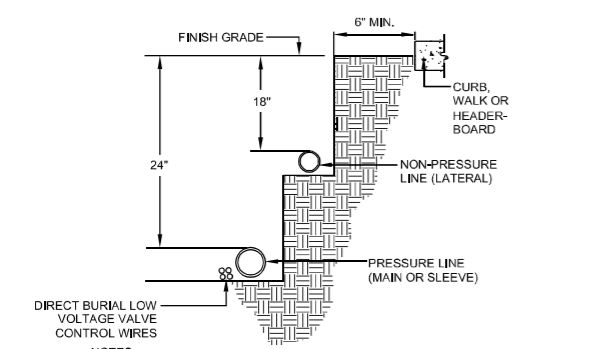
E WIRE CONNECTION DETAIL
NOT TO SCALE



F DRIP CIRCUIT LAYOUT - END FEED DETAIL
NOT TO SCALE

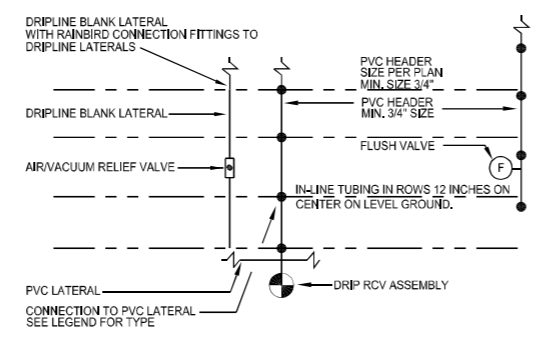


G DRIP CIRCUIT ODD SHAPE LAYOUT - END FEED DETAIL
NOT TO SCALE



H IRRIGATION LINE TRENCHING
NOT TO SCALE

- NOTES:**
- TRENCHING AND BACKFILLING SHALL BE PER STANDARD SPECIFICATIONS.
 - MINIMUM BACKFILL RELATIVE COMPACTION SHALL BE 90%.
 - BUNDLE CONTROL WIRES TOGETHER AND TAPE AT 10' INTERVALS.
 - 4" MIN. HORIZONTAL DISTANCE BETWEEN PIPES IN COMMON TRENCH.



I DRIPLINE CONNECTION (PLAN VIEW)
NOT TO SCALE

INSTALL DRIP FLUSH VALVE PER DETAIL AT THE END OF EACH TUBING SECTION PER PLAN. INSTALL AIR RELIEF VALVES PER DETAIL AT HIGH POINTS OF EACH TUBING SECTION PER PLAN. RUN AIR/VACUUM RELIEF BLANK TUBING LATERAL ALONG HIGH POINT OF MOUND OR BERM. ATTACH ALL IN-LINE DRIP TUBING TO BLANK LATERAL. MORE THAN TWO RELIEF VALVES MAY NEED TO BE INSTALLED PER SECTION.

- NOTES:**
- INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
 - DO NOT SCALE DRAWINGS.
 - CONTRACTORS NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info REFERENCE NUMBER: 055-188z.

D DRIP CIRCUIT AIR VACUUM RELIEF VALVE DETAIL
NOT TO SCALE

- DRIP CIRCUIT NOTES:**
- SUB-SURFACE DRIPLINE SHALL BE INSTALLED 2" (INCHES) BELOW FINISH GRADE AND COVER WITH 3" BARK MULCH.
 - ALL PVC LATERALS LINES, INCLUDING PVC FEED LINES, SHALL BE INSTALLED 18" BELOW GRADE.
 - INSTALL FLUSH AND AIR RELIEF VALVES AS SPECIFIED IN DETAILS.
 - SEE IRRIGATION LEGEND FOR TUBING SPECIFICATIONS.
 - SEE NOTES AT EACH DRIP DETAIL FOR ADDITIONAL REQUIREMENTS.

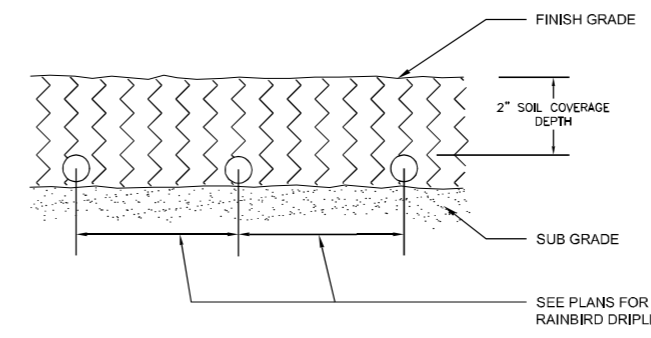
RAINBIRD DRIP TUBING MAXIMUM LENGTH OF RUN CHART
Performance Specifications (continued)

Maximum length of run

- RGP-212-XX:

250'	@ 15 psi (76m @ 1.03 Bar)
360'	@ 25 psi (110m @ 1.72 Bar)
400'	@ 30 psi (122m @ 2.07 Bar)
460'	@ 40 psi (140m @ 2.76 Bar)

K DRIP CIRCUIT MAXIMUM TUBING LENGTH CHART
NOT TO SCALE



J DRIP CIRCUIT FEED MANIFOLD CONNECTION DETAIL
NOT TO SCALE



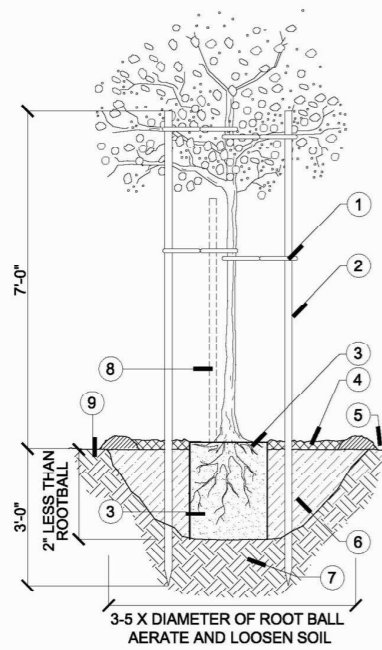
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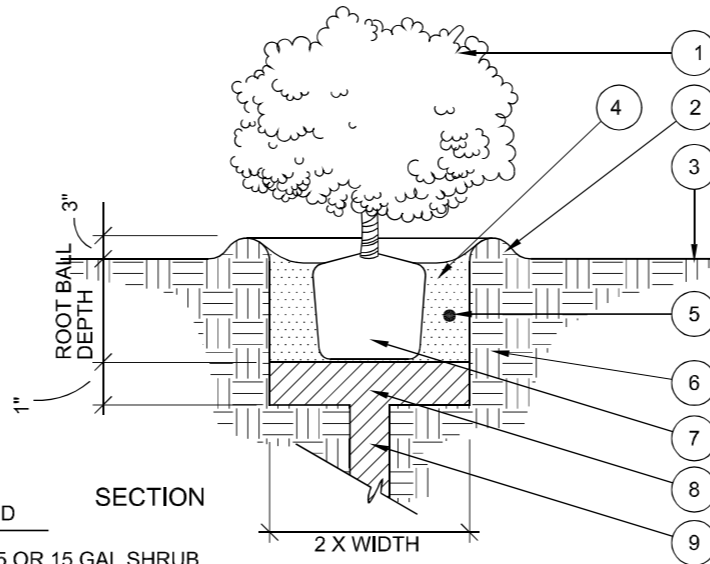


TREE PLANTING

- 1 FLEXIBLE TREE TIES (MIN. 4 REQUIRED) SECURE TO POLE W/ GALVANIZED NAIL. PLACE TOP TIE IN CANOPY PROTECT BRANCHES FROM DAMAGE.
- 2 2" DIA. X 10' MIN. TREATED LODGEPOLE PINE STAKE (3" DIA. OR 3 GALVANIZED STAKES FOR 36" BOX TREES OR GREATER)
- 3 ROOTBALL - 2" ABOVE FINISHED GRADE, TOP ROOT FLARE SHALL BE VISIBLE
- 4 2" OF SHREDDED BARK MULCH, 4" DIA. KEEP MULCH 12" CLEAR OF TRUNK. NO LAWN OR SHRUBS IN 4" DIA. ZONE
- 5 TEMPORARY 3" WATERING BASIN
- 6 BACKFILL MIX: 100% NATIVE SOIL UNLESS THE AGRONOMICAL SOIL REPORT DIRECTS AMENDMENTS
- 7 UNDISTURBED NATIVE SOIL, FOOT TAMP ANY OVER EXCAVATION.
- 8 REMOVE NURSERY STAKE IMMEDIATELY AFTER PLANTING
- 9 FINISH GRADE

NOTES:

1. STAKES SHALL NOT PIERCE ROOTBALL & SHALL EXTEND INTO UNDISTURBED SOIL.
2. PLACE FLEXIBLE TREE TIES ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
3. ALL EXCESS SOIL SHALL BE REMOVED FROM THE TOP OF THE ROOT BALL EXPOSING THE ROOT FLARE
4. ROOT PRUNE 1/2" OFF ALL SIDES OF ROOT BALL WITH A SHARP KNIFE.

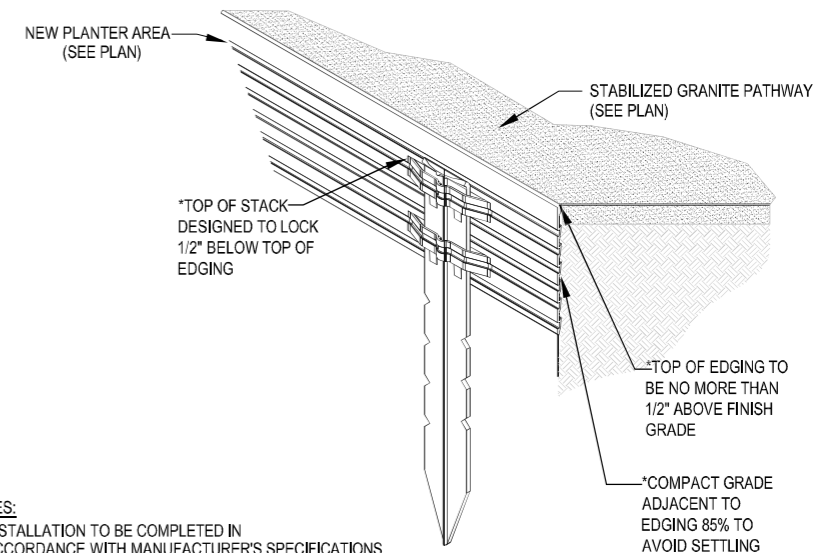


SECTION

LEGEND

1. 1,5 OR 15 GAL SHRUB
2. WATER BASIN 3" MIN. DEPTH
3. FINISH GRADE
4. AMENDED BACKFILL - PER SOILS REPORT
5. PLANT TABLET - PER SOILS REPORT
6. EXISTING SOIL
7. ROOT BALL
8. COMPACTED SOIL BACKFILL MIX. (PER SOILS REPORT)
9. VERTICAL MULCH DRAIN HOLE (3"Ø. X 1' DEPTH) FILLED W/ COMPACTED SOIL BACKFILL MIX.

SHRUB PLANTING DETAIL



NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. STEEL GROUNDING STAKES ARE 12" LONG AND ARE INCLUDED WITH EACH EDGING SECTION THAT SLIDE INTO POCKETS, ALLOWING IT TO BE SECURELY ANCHORED INTO THE GROUND

PRODUCT	SIZE	PACKAGE	COLOR
SURE-LOC SURE EDGE	3/16" X 5 1/2"	10 PIECES (160 LINEAR FEET) PER BOX	MILL FINISH BLACK

ALUMINUM LANDSCAPE EDGING

NOT TO SCALE

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ROBERT MCMAHON	CA # 3463	DATE	
DRAWN BY:			
RJM	DATE:	03-21-22	SHEET OF SHEETS



RUSSIAN SAGE



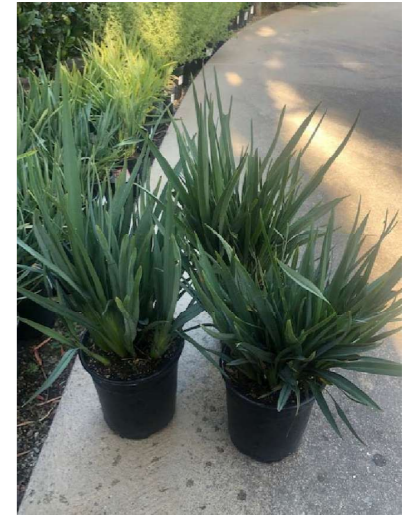
WHITE LANTANA
GROUNDCOVER



CHONDROPETALUM
CAMPO DWARF



DIANELLA TASMANICA
WHITE STRIPED FLAX LILY



DIANELLA CASSA BLUE
CASSA BLUE FLAX LILY



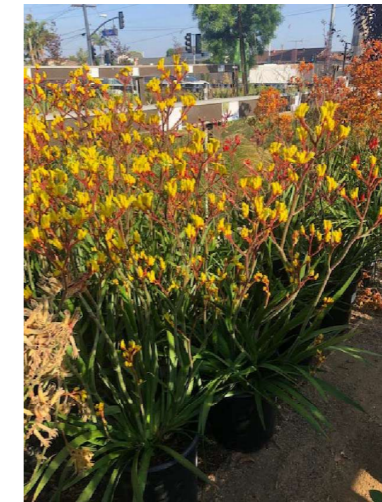
CALLISTEMON CITRINUS



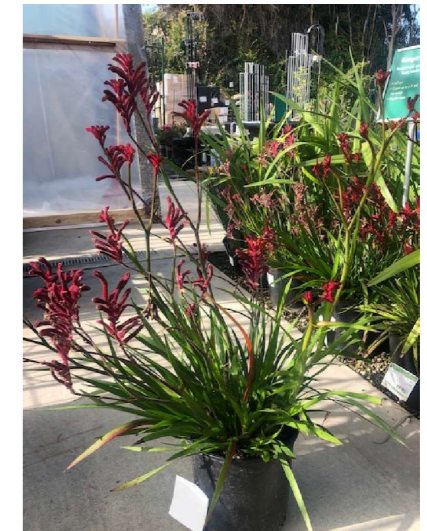
SENECIO SERPENS
GROUNDCOVER



STABILIZED DECOMPOSED
GRANITE



ANIGOZANTHOS YELLOW
& RED KANGAROO PAW



JAZZTIME JADE



POLYGALA MYRTIFOLIA
DWARF SWEET PEA



APACHE BOULDERS

ATTENTION
All utilities shown in this plan are based on available records. It shall be the sole responsibility of the contractor to verify existing utilities by contacting utility agencies and to avoid damaging existing utilities during excavation.
FOR UNDERGROUND SERVICE ALERT CALL:
1-800-422-4133



RMA INTERNATIONAL
LANDSCAPE ARCHITECTURE & PLANNING
315 3 RD STREET SUITE A
HUNTINGTON BEACH, CA 92648
P (562) 616-9119 EMAIL: rmalandscape@gmail.com

NO.	REVISIONS	APPR.	DATE
CITY OF GARDEN GROVE			
BRIDGE AND LANDSCAPE RENOVATION PROJECT CIVIC CENTER BUILDING			
PLANT PALETTE IMAGERY			
APPROVED:			
CITY ENGINEER	RCE NO.	DATE	
RECOMMENDED:			
CIP ENGINEER	RCE NO.	DATE	
SUBMITTED:			
ROBERT MCMAHON	CA # 3463	DATE	
PROJECT LANDSCAPE ARCHITECT	RCE NO.	DATE	
DRAWN BY:	DATE:		
FLJM	03-21-22	SHT	OF

GENERAL REQUIREMENTS

- Work performed shall comply with the following:
- These General Requirements unless otherwise noted on plans or specifications.
- Building Code – AASHTO 2018, CBC 2019, ACI 380–14, AISC–360
- All applicable local, State and Federal Codes, Ordinances, Laws, regulations and Protective Covenants governing the site of work.
- Standard Specifications of ASTM as noted herein and as required by the Building Code.
- All work need to be performed by qualified and experience contractors familiar with this type of project.
- In case of conflict, the more stringent requirement shall govern.
- On site Verification of all dimensions and conditions shall be the responsibility of the contractor and sub-contractors. Noted dimensions take precedent over scale of drawings.
- Engineer or architect of record is to be notified immediately by the contractor should any question arise or any discrepancies be found pertaining to the working drawings and/or specifications.
- No deviations from these requirements and structural details shall be made without the written approval of Engineer of Record. Approval by the inspector does not constitute authority to deviate from plans or specifications.
- The design, adequacy, and safety of erection bracing, shoring, temporary supports, etc., is the sole responsibility of the contractor, and has not been considered by the architect or engineer. The contractor is responsible for the stability of the structure prior to the application of all shear walls, roof and floor diaphragms, and finish materials. The contractor shall provide the necessary bracing to provide stability prior to the application of the aforementioned materials. Observation visits to the site by the architect or engineer of record shall not imply the assumption of any responsibility in this regard.
The builder has requested, contracted with and is compensating Engineer of Record for the limited services of providing the minimum structural drawings required, when combined with the other builders consultants drawings, to obtain a building permit for this project. These drawings are not intended to, nor do they, detail all conditions, identify all materials, or define or limit the scope of work required to complete the project. The builder has requested, accepts, and represents that he will select all materials and manufactures, qualify and select all and installers, direct all ways and means of construction, and provide all subcontractors additional information, above and beyond these drawings, required to complete the project in conformance with all governing agencies and the work will meet or exceed accepted industry standards.
- Special inspection per Building Code chapter–17 required & applies to the types of work indicated on plans or details.
- Upon completion of above by the engineer & prior to start of construction, contractor is responsible to check all dimensions, coordinate with the work of architectural, mechanical & other trades to ensure compliance with his/her requirements.

STRUCTURAL STEEL

GENERAL

- All structural steel materials and construction shall conform to the requirements specified in Building Code, Chapter 22 & Reference.
- MATERIALS**
- Steel shall be primed with a rust resistance primer & should conform to ASTM A36 (fy=36 ksi) as a minimum, unless otherwise noted. All W shapes to be ASTM A992. (fy=50 ksi)
 - Steel pipe shall conform to ASTM A53, Grade B (Fy=36 ksi).
 - Structural tubing shall conform, to ASTM A500, Grade B (Fy=46 KSI).
 - All structural welding procedures and materials shall conform to Building Code chapter–19 of CBC 2013. All welding shall be by the shield metal arc welding process or the submerged arc welding process using E70XX–low hydrogen electrodes, unless otherwise noted.
 - All bolts for connections of steel members shall conform to Building Code, Chapter 19 & ASTM A325N, unless otherwise noted. Holes for bolts should be drilled or punched & shall be 1/16" larger than bolt diameter.

WELDS

- All shop welding and fabrication must be done in a shop certified by AISC Quality Certification Program and approved by the Building Official. All field welding must be performed by a certified welder and a special inspector shall continuously inspect all structural field welding. Both shall be approved by the Building Official.
- When welds from web doubler plates or continuity plates occur in the "k-area" of rolled steel columns, the "k-area" adjacent to the welds shall be inspected after fabrication by using approved nondestructive methods conforming to AWS–D1.1.
- All NDT inspector shall be qualified as an ASNT Level II certified technician.
- All filler (weld) metal shall have minimum CVN of 20 ft–lbs @ –20° F and 40 ft–lbs @ 70° F.
- The contractor shall submit all Welding Procedure Specifications (WPSs) to be used by contractor on the project. For WPSs that are not pre qualified per AWS D1.1, the Supporting Procedure Qualification Record (PQR) shall also be submitted with the WPS. The contractor shall also submit the manufacturer's product data sheets for all welding material to be used. The data sheets shall describe the product, limitations of use, recommended welding parameters, and storage and exposure requirements, including baking and rebaking, if applicable. Welding Procedure Specifications (WPSs) shall be categorized by and specify the following items:
 - Steel specifications and grades to be welded,
 - Thickness range of material to be joined,
 - Type of joint,
 - Type of weld (groove, fillet, plug, slot),
 - Size of weld, and
 - Position of welding.
 Deviation from the preceding procedures may be made, provided the contractor submits in writing an alternate sequence that is approved by the Engineer and Building Official prior to fabrication.

REINFORCED CONCRETE

GENERAL

- All reinforced concrete materials and construction shall conform to Building Code, chapter 19.
- MATERIALS**
- Cement shall conform to Section 1903 of Building Code and shall correspond to that on which the selection of concrete proportions were based.
 - Concrete aggregates shall conform to Building Code Section 1903A.6
 - Reinforcing steel shall conform to ASTM A615. Grade 40 for sizes #3 and #4 and grade 60 for sizes #5 and larger. Dowels shall be equal in size and spacing.
 - Refer to section 1904 of Building Code for special exposure conditions as required by soils engineer & see corrosion engineer's recommendations for concrete exposed to corrosion.

STRENGTH

- Min. f'c = 4,500 psi, 28 days and max water/cement ratio of .45.
- Special inspection is required for concrete with f'c > 2500 psi.
- All reinforcing, dowels, holdowns, and other inserts shall be secured in position and approved by the local building official prior to the pouring of any concrete.
- Min. concrete cover for reinforcing:
 - a– Concrete, placed against earth not formed – 3"
 - b– Concrete formed or troweled – 2"
 - c– Walls and curbs – 1 1/2"
 - d– Slab on grade – at center
- Admixtures in concrete mix. containing calcium chlorides shall not be used.
- Concrete shall be to the strength and slump as specified per structural design and consist of Portland cement ASTM C–150 type V per soils engineer's recommendations and Building Code section 1904.3 (ACI 318 section 4.3) when concrete is exposed to sulfate containing solutions and aggregates per ASTM C–33, water to be clean and potable.
- Placement shall be in one continuous operation unless otherwise specified and slab surface shall be cured with Hunts compound or equal or other methods in accordance with good construction practices at contractor's option.
- The bottoms of footing excavations shall be level, clean and free of loose material or water when concrete is placed. Over excavation shall be filled with concrete or properly compacted fill that has been tested and approved by the soils engineer. Back fill shall not be placed until supporting foundations, walls and slab have attained sufficient strength to support lateral soil pressure.
- Concrete placement shall be monolithic in one continuous operation uniformly placed and must be vibrated and well consolidated unless shown otherwise on plans. For non–mono pour (non–mono pour is defined by ACI as to when 1st. & 2nd. pour can not be vibrated together), use #4 dowels at 24" o.c. min. 18" into slab and 12" into 1st. pour.
- Requirements for pre–saturation of subgrade soils and daylight setback of exterior footings from any descending slope shall comply with soil report recommendations.
- Finish grade around the perimeter of slab shall be constructed such that rain and irrigation water is drained away from the slab.
- Foundation drawings prepared by Engineer of Record reflect the structural requirements, refer to architectural plans for dimensions depressions, slope shelves patios, stoops and porches not shown.
- Accuracy of the dimensions and final fit of the building shall be reviewed by the architect and the contractor prior to construction.

SPECIAL INSPECTION

REFERENCE	INSPECTION	CONTINUOUS	PERIODIC	REMARKS
Table 1705A.2.1 (CBC 2013) & AWS D1.1	STRUCTURAL WELDING	X		SEE PLAN DETAILS AT STEEL COLUMNS CAP AND BASE PLATE.
Table 1705A.2.1	HIGH STRENGTH – BOLTS AT STEEL COLUMN CAP & BASE PLATE.		X	SEE STRUCTURAL DETAIL FOR BOLT SPECS
SOILS	GENERAL SOILS REPORT REQUIREMENTS: (e.g. FOOTING DEPTHS, COMPACT ION, SATURATION, ETC..)		X	REFER TO SOILS REPORT FOR REQUIRED INSPECTIONS
1707.3 1707.4	EPOXY SYSTEM INSPECTION OF INSTALLATION PROCEDURE & APPLICATION FOR EPOXY SYSTEM.		X	REFER TO MANUFACTURER MANUAL & ICBO REPORTS FOR REQUIREMENTS FOR AREAS OF INSPECTION.
1705.4	MASONRY SIZE, GRADE & TYPE OF REINFORCEMENT. PLACEMENT OF REINFORCEMENT. SIZE OF MASONRY STRUCTURE.		X	SEE STRUCTURAL PLANS FOR REQUIRED INSPECTIONS
CONCRETE Table 1705A.3	SPECIAL INSPECTION REQUIRED FOR CONCRETE OVER 12"–2500	SAC150 OLY NOR LESS THAN EACH 5000 SF SLAB		FABRICATE SPECIMEN AT TIME FRESH CONCRETE IS PLACED.
CONCRETE Table 1705A.3	REINFORCING STEEL PLACEMENT.		X	

DEFERRED APPROVAL

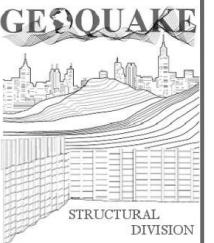
- Elements of structure that are marked "by others" shall be excluded from this work permit.
- General contractor shall first submit separate drawings for the above elements to the EOR for their review and if approved, then submit to the building officials for their review and approval.
- City approval shall be obtained prior to installation of element subjected to deferred approval.

DESIGN CRITERIA

- DESIGN LOADS:
 - DEAD LOAD = 50psf
 - LIVE LOAD = 100psf
 - WIND UPLIFT LOAD =20psf
 - GUARDRAIL LOAD 20plf & 200–lbs CONCENTRATED
 - Exterior Wall Dead Load= 15psf
 - Interior Wall Dead Load= 10psf
- SEISMIC FACTORS
 - Ss=1.369g
 - S1=0.485
 - Fa=1.2
 - Fv=1.5
 - Cs = 0.5 (assumed worst condition)
- Wind Speed: 110
Wind Exposure: C
- Soils Bearing Capacity = 1000psf.

SHEET INDEX

SN – STRUCTURAL NOTES & SPECIFICATIONS
S–1 – BRIDGE STRUCTURAL PLAN
SD1 – STRUCTURAL DETAILS



950 N.TUSTIN AVENUE, SUITE 132
ANAHEIM HILLS, CA 92807
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WWW.GEOQUAKE.NET

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REVISIONS:

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**PEDESTRIAN
BRIDGE**

ADDRESS:

**CIVIC CENTER
GARDEN GROVE
CALIFORNIA**

SHEET:

STRUCTURAL NOTES

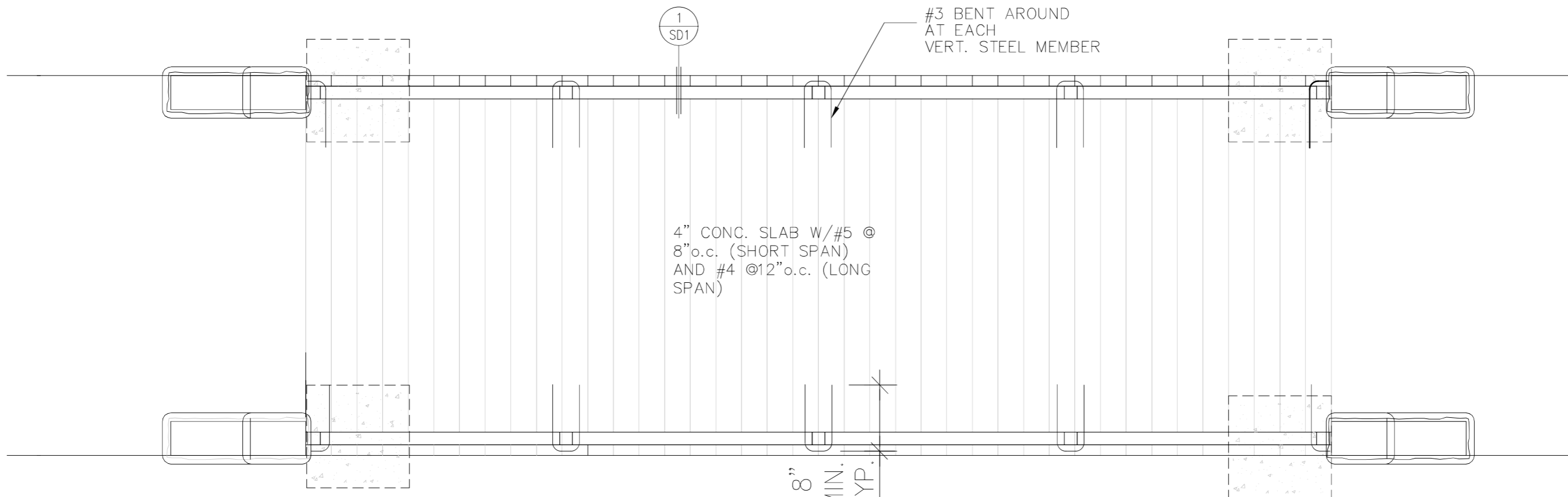
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DRAWN: JR

PROJECT NO:
22–5089ST

SHEET NO.

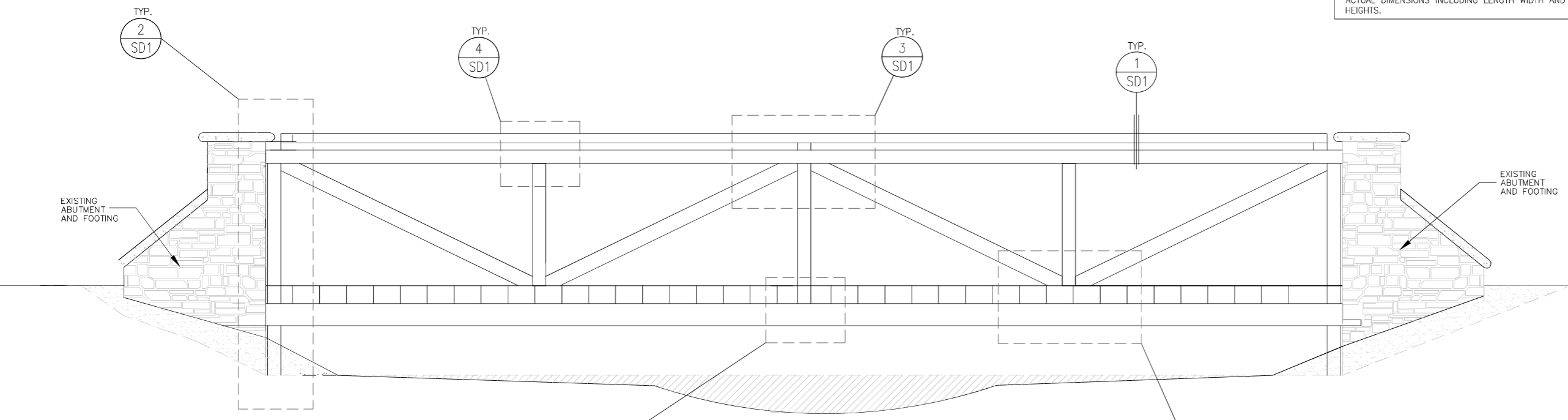
1 of 3 **SN**



PLAN VIEW

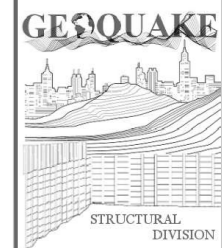
SCALE 1/2" = 1'-0"

NOTE: REFER TO LANDSCAPE ARCHITECTURAL PLANS FOR ACTUAL DIMENSIONS INCLUDING LENGTH WIDTH AND HEIGHTS.



ELEVATION

SCALE 1" = 1'-0"



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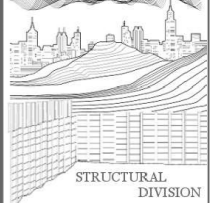
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STRUCTURAL PLAN

DATE: 2-14-2022

DRAWN: JR

PROJECT NO:
22-5089ST

SHEET NO.
S-1



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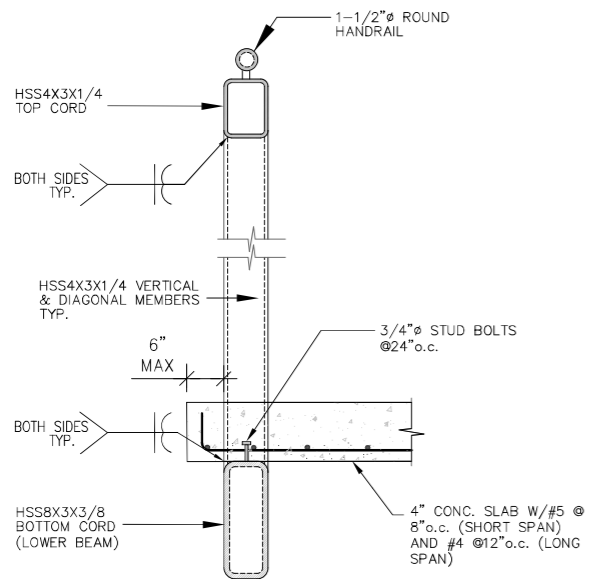
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STRUCTURAL DETAILS

DATE: 2-14-2022

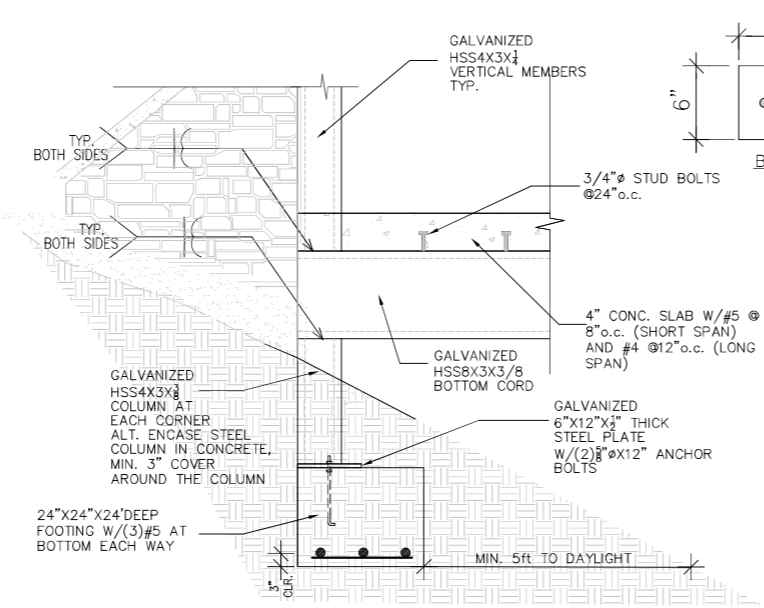
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PROJECT NO:
22-5089ST

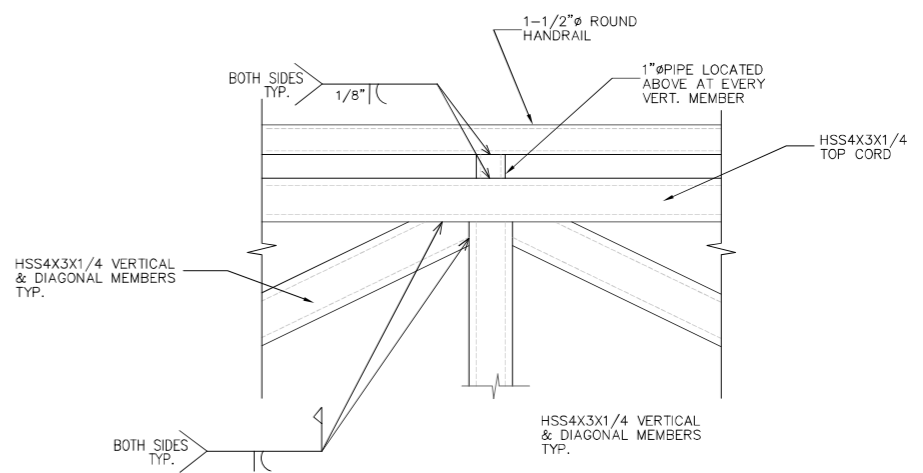
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SD1



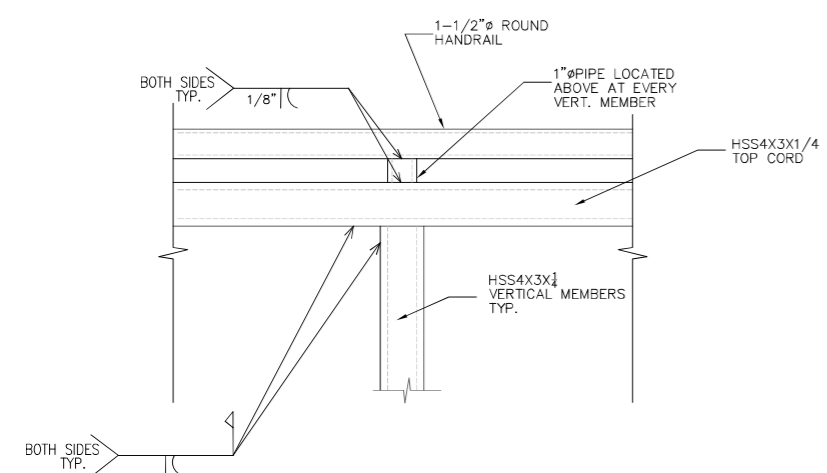
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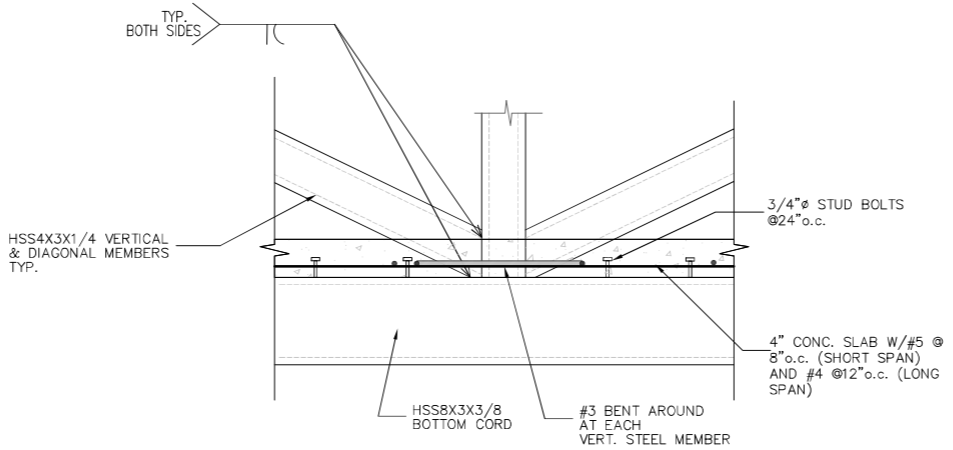
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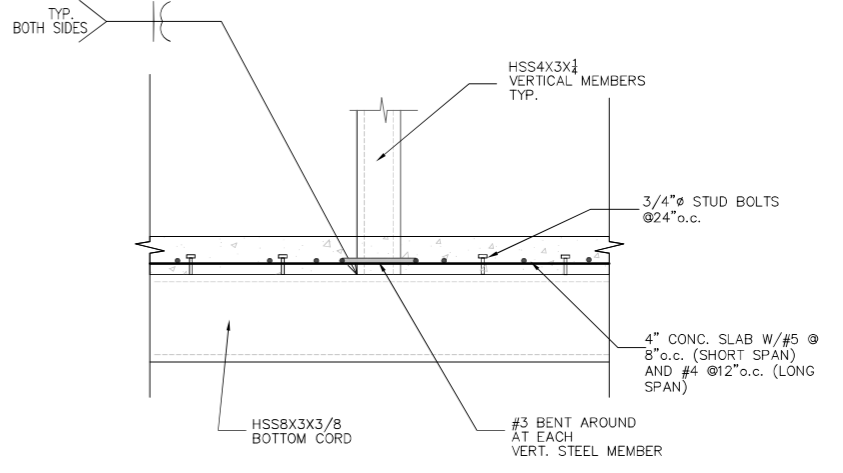
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4
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5
SD1 NOT TO SCALE



6
SD1 NOT TO SCALE