



SUNLINE TRANSIT, COACHELLA TRANSIT HUB IMPROVEMENTS

IN THE CITY OF COACHELLA, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

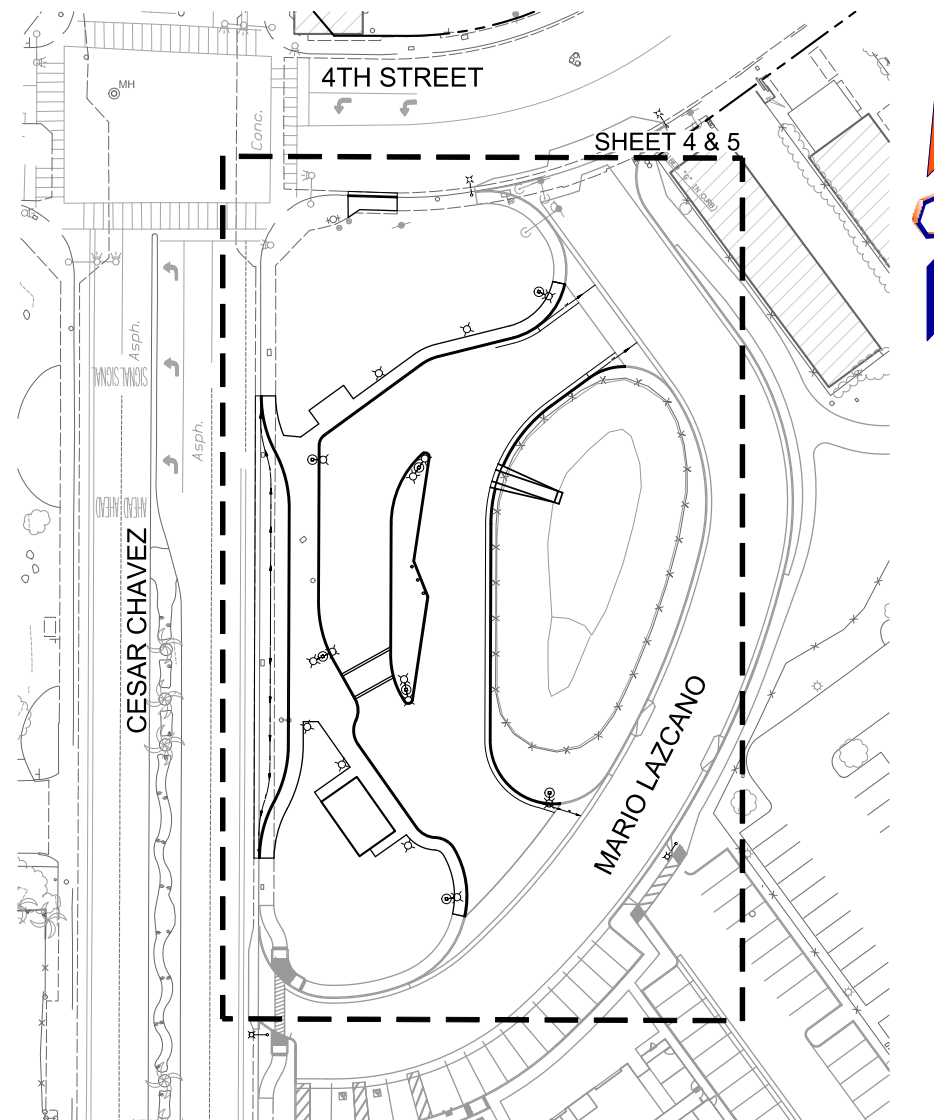
LOCATED IN A PORTION OF SECTION 5, TOWNSHIP 6 SOUTH, RANGE 8 EAST, SAN BERNARDINO MERIDIAN.

GENERAL NOTES:

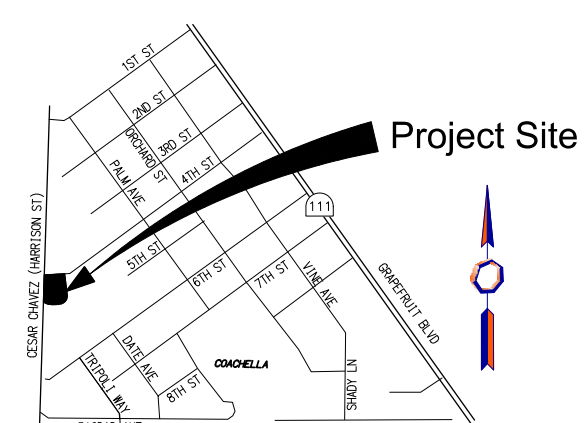
- ALL DESIGN, MATERIALS, AND CONSTRUCTION WORK SHALL CONFORM TO THE CITY OF COACHELLA STANDARD SPECIFICATIONS AND PROCEDURES AND THE CITY OF COACHELLA STANDARD DRAWINGS AND TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREENBOOK), MOST CURRENT EDITIONS AND THESE APPROVED PLANS.
- THE CONTRACTOR SHALL, AT NO EXPENSE TO THE CITY, PROVIDE ALL NECESSARY SAMPLES AND TESTS REQUIRED BY THE CITY TO ASSURE THAT THE QUALITY OF THE MATERIALS AND WORKMANSHIP ARE IN ACCORDANCE WITH THESE PLANS AND SAID SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK AND SHALL MAINTAIN ALL FACILITIES COMPLETE AND UNCOMPLETED UNTIL ACCEPTED BY THE CITY.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAR THE RIGHT-OF-WAY IN ACCORDANCE WITH THE PROVISIONS OF LAW AS IT AFFECTS EACH UTILITY INCLUDING IRRIGATION LINES AND APPURTENANCES AT NO COST TO THE CITY.
- THE CONTRACTOR SHALL OBTAIN AND REVIEW ALL NECESSARY STANDARDS, PLANS, AND SPECIFICATIONS IN DETAIL PRIOR TO START OF CONSTRUCTION. ALL DOCUMENTS, INCLUDING APPROVED PLANS AND REFERENCED STANDARDS SHALL BE ON-SITE AT ALL TIMES. CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE CITY INSPECTOR PRIOR TO WORK IN THAT AREA.
- ALL ELEVATIONS SHOWN TO BE EXISTING ARE FROM A RECENT SURVEY OF THE ENGINEER AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- PRIOR TO BEGINNING ANY WORK, CONTRACTOR SHALL SECURE A CITY OF COACHELLA PERMIT FOR CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE CITY OF COACHELLA (760) 398-5744, 72 HOURS PRIOR TO STARTING ANY WORK. A PRE-CONSTRUCTION MEETING SHALL BE SET UP WITH THE CITY OF COACHELLA ENGINEERING DEPARTMENT AND ALL AFFECTED UTILITY COMPANIES SHALL BE PRESENT.
- CONTRACTOR SHALL CALL U.S.A., UNDERGROUND SERVICE ALERT, AT 1-800-227-2600 AND SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES 48 HOURS IN ADVANCE OF THE COMMENCEMENT OF CONSTRUCTION. DIG ALERT TICKET SHALL BE SUBMITTED TO THE CITY OF COACHELLA ENGINEERING DEPARTMENT.
- OSHA SAFETY ORDERS AND OSHA CONFINED SPACE ENTRY REQUIREMENTS SHALL BE FOLLOWED AT ALL TIMES WITHOUT EXCEPTION.
- THE CONTRACTOR SHALL GUARANTEE ALL WORK FOR A PERIOD OF ONE YEAR AFTER THE DATE OF FINAL ACCEPTANCE BY CITY OF COACHELLA IN ACCORDANCE WITH THE CITY OF COACHELLA STANDARD SPECIFICATIONS.
- QUANTITIES SHOWN HEREON ARE FOR ESTIMATE PURPOSES ONLY. NEITHER THE DESIGN ENGINEER NOR THE CITY OF COACHELLA GUARANTEE THE ACCURACY OR COMPLETENESS OF THE CONSTRUCTION QUANTITIES.
- CONTRACTOR SHALL CONFORM TO LABOR CODE SECTION 6705 BY SUBMITTING A DETAIL PLAN TO THE CITY ENGINEER SHOWING THE DESIGN OF SHORING, BRACING, SLOPING, OR OTHER PROVISIONS TO BE MADE FOR PROTECTION OF WORKERS FROM THE HAZARD OF CAVING GROUND DURING TRENCH EXCAVATION AND PIPE INSTALLATION THEREIN. THIS PLAN MUST BE PREPARED FOR ALL TRENCHES FIVE FEET OR MORE IN DEPTH. IF THE PLAN VARIES FROM THE SHORING SYSTEM STANDARDS ESTABLISHED BY THE CONSTRUCTION SAFETY ORDERS, TITLE 8, CALIFORNIA ADMINISTRATIVE CODE, THE PLAN SHALL BE PREPARED BY A REGISTERED ENGINEER. A COPY OF THE OSHA EXCAVATION PERMIT MUST BE SUBMITTED TO THE CITY OF COACHELLA INSPECTOR PRIOR TO EXCAVATION.
- THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES SHOWN ON THESE PLANS WAS OBTAINED BY AVAILABLE RECORDS SEARCH BY THE DESIGN ENGINEER. TO THE BEST OF THE DESIGN ENGINEER'S KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS. ATTENTION IS CALLED TO THE POSSIBLE EXISTENCE OF OTHER UTILITIES OR STRUCTURES NOT SHOWN, OR IN A DIFFERENT LOCATION FROM THAT SHOWN ON THE PLANS. THE CONTRACTOR SHALL TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN ON THE PLANS AND OTHER EXISTING FACILITIES OR STRUCTURES NOT SHOWN.
- APPROVAL OF THIS PLAN BY THE CITY OF COACHELLA DOES NOT CONSTITUTE A REPRESENTATION OF THE ACCURACY OF THE LOCATION OF, OR THE EXISTENCE OR NON-EXISTENCE OF, ANY UNDERGROUND UTILITY, PIPE, OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT.
- CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL LOCAL, STATE, AND FEDERAL SAFETY REGULATIONS INCLUDING, BUT NOT LIMITED TO, TRENCH SAFETY AND CONFINED SPACE ENTRY.
- SOILS REPORTS SHALL BE SUBMITTED TO THE CITY OF COACHELLA BY A QUALIFIED SOILS ENGINEER WHICH CERTIFIES THAT TRENCH BACKFILL WAS COMPACTED AS DIRECTED BY THE SOILS ENGINEER IN ACCORDANCE WITH ON SITE EARTHWORK SPECIFICATIONS AND THE CITY OF COACHELLA STANDARD SPECIFICATIONS.
- ALL REVISIONS TO DRAWINGS SHALL BE APPROVED BY THE CITY ENGINEER IN WRITING PRIOR TO CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR KEEPING COMPLETE RECORD OF CHANGES AND SHALL MAKE SUCH RECORD AVAILABLE TO THE DESIGN ENGINEER. THE PRIVATE ENGINEER SHALL PROVIDE AS-BUILT DRAWINGS TO THE CITY OF COACHELLA FOR REVIEW AND APPROVAL PRIOR TO FINAL ACCEPTANCE OF THE PROJECT. APPROVED AS-BUILT PLANS SHALL BE SUBMITTED TO THE CITY OF COACHELLA ENGINEERING DEPARTMENT IN AUTOCAD FORMAT.
- THE CONTRACTOR SHALL PROTECT ALL SURVEY MONUMENTATION. IF ANY SURVEY MONUMENTS ARE DISTURBED OR DESTROYED, THE CONTRACTOR SHALL RETAIN A LICENSED SURVEYOR TO RE-ESTABLISH AND RECORD THE MONUMENT CHANGE PER STATE LAW.
- CONTRACTOR SHALL NOT INTERRUPT OR DISTURB ANY UTILITY FACILITY WITHOUT AUTHORITY FROM THE UTILITY COMPANIES. WHERE PROTECTION IS REQUIRED TO ENSURE INTEGRITY OF UTILITY FACILITIES (INCLUDING CITY-OWNED UTILITIES), CONTRACTOR SHALL FURNISH AND PLACE ALL NECESSARY PROTECTION.

STREET IMPROVEMENT NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR CLEARING OF THE PROPOSED WORK AREA AND RELOCATION COSTS OF ALL EXISTING UTILITIES. ALL UNDERGROUND FACILITIES WITH LATERALS SHALL BE IN PLACE PRIOR TO PAVING THE STREET SECTION, INCLUDING, BUT NOT LIMITED TO SEWER, WATER, ELECTRIC, GAS, DRAINAGE, TELEPHONE, CABLE TV, ETC.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT ADJACENT PROPERTY OWNERS FROM ANY AND ALL DAMAGE THAT MAY OCCUR FROM STORM WATER RUNOFF AND/OR DEPOSITION OF DEBRIS FROM ANY AND ALL WORK IN CONJUNCTION WITH CONSTRUCTION OF THESE IMPROVEMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO ON-SITE, OFF-SITE, AND ADJACENT UTILITIES, FACILITIES, AND PROPERTY AND SHALL CARRY SUFFICIENT INSURANCE TO PROTECT THE CITY AND THE ADJACENT PROPERTY.
- DEPTH OF BASE MATERIALS AND A.C. PAVING SHALL BE DETERMINED BY THE R-VALUE METHOD, DESIGNATED AS TEST NO. 301-F OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, HIGHWAY DESIGN MANUAL.
- STREET PAVING SHALL BE INSTALLED IN TWO (2) LIFTS: TOP COURSE 1" THICK (MINIMUM) 1/2" A.C. PG-70-10 (D1) AND BOTTOM COURSE 2" THICK (MINIMUM), 3/4" A.C. PG-70-10 (C2).
- WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED AT ALL CURB RETURNS IN CONFORMANCE WITH CITY STANDARD DRAWING S-26 AND ADA REQUIREMENTS.
- THE CONTRACTOR SHALL INSTALL STREET NAME AND STOP SIGNS CONFORMING TO THE CITY STANDARD DRAWING S-27.
- ALL MANHOLE COVERS AND WATER VALVE COVERS SHALL BE ADJUSTED TO GRADE AFTER THE STREETS HAVE BEEN FINAL PAVED PER CITY STDS.
- ALL PRIVATE STREETS AND DRIVEWAYS SHALL BE CONSTRUCTED TO THE STRUCTURAL SECTION DETERMINED BY THE CITY ENGINEER.
- TRIM (SAWCUT) EDGE OF EXISTING PAVEMENT WHERE NEW PAVING JOINS EXISTING TO FORM A CLEAN, SMOOTH STRAIGHT LINE.
- THE CONTRACTOR SHALL NOTIFY THE CITY OF COACHELLA ENGINEERING DEPARTMENT, 760-398-5744, 72 HOURS PRIOR TO STARTING ANY STREET WORK.
- ALL WORKS SHALL CONFORM WITH THE CITY OF COACHELLA IMPROVEMENT STANDARDS AND SPECIFICATIONS AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK) LATEST EDITION AND THESE PLANS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK AND SHALL MAINTAIN ALL FACILITIES COMPLETE AND INCOMPLETE UNTIL ACCEPTED BY THE CITY.



LOCATION MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

LEGEND & ABBREVIATIONS

EXISTING UNDERGROUND UTILITIES	EXISTING TOPOGRAPHY	ABBREVIATION	DEFINITION	ABBREVIATION	DEFINITION
Sanitary Sewer 8" S	Block Wall	A.C.	Asphaltic Concrete	M.V.	Mercury Vapor
Water Line 6" W	Board Fence	AC	Asphalt	MAX.	Maximum
Storm Drain 24" S.D.	Wire Fence	AREA	Area	MIN.	Minimum
Gas Line 2" G	Chain Link Fence	AVE.	Avenue	N.	North
Irrigation Line 20" IRR.	Pole & Guy Anchor	AVENUE	Avenue	N.T.S.	Not to Scale
Telephone Conduit	Electrical Pole	B.C.	Beginning of Curve	N.E.L.Y.	Northeasterly
Electrical Conduit	Telephone Pole	B.C.R.	Beginning of Curb Return	N.L.Y.	Northerly
Street Lighting	Calc. Pole	B.M.	Bench Mark	N.O.	Number
Traffic Signal	Traffic Sign	B.V.C.	Beginning of Vertical Curve	N.W.L.Y.	Northwesterly
Cable Television	Street Name Sign	C	Center	O.C.	On Center
	Mail Box	C.B.	Curb & Gutter	OFF.	Offset
		C.B.	Curb Basin	P.B.	Pull Box
		C.F.	Curb Face	P.C.	Point of Curvature
		C.I.	Cast Iron	P.C.C.	Point of Compound Curvature or Portland Cement Concrete
		C.M.P.	Corrugated Metal Pipe	P.I.	Point of Intersection
		C.M.P.A.	Corrugated Metal Pipe Arch	P.P.	Power Pole
		C.O.	Cleanout	P.R.C.	Point of Reverse Curvature
		C.P.	Concrete Pipe	P.R.C.	Point of Reverse Curvature
		C.R.	Curb Return	P.T.	Point of Tangency
		C.T.B.	Cement Treated Base	R.	Radius
		C.Y.	Cubic Yards	R.C.P.	Reinforced Concrete Pipe
		CALC.	Calculated	R.E.	Registered Engineer
		CB	Center	R.S.	Record of Survey
		C-C	Center to Center	R.W.	Right of Way
		CIRCLE	Circle	R/W	Right of Way
		CENTER LINE	Center Line	R/R	Record of Road
		CONCRETE	Concrete	R/R	Record of Road
		CONC.	Concrete	R.V.	Riverside
		CONSTR.	Construct	R.	Right
		COR.	Corner	S.	South
		CUL. FT.	Cubic Feet	S.E.	San Bernardino
		D.G.	Decomposed Granite	S.D.	Storm Drain
		D/W	Driveway	S/W	Southwesterly
		DR.	Drive	SEC.	Section
		E.	East	S.E.L.Y.	Southeasterly
		E.C.	End of Curve	S.L.Y.	Southerly
		E.C.R.	End of Curb Return	SPEC.	Specifications
		E.P.	Edge of Existing Paving	SPK.	Spike
		E.V.C.	End of Vertical Curve	SQ.	Square
		ELEV.	Elevation	ST.	Street
		E.L.Y.	Easterly	STB&M	San Bernardino Base & Meridian
		EST.	Estimate	ST.	Street
		EXC.	Excavation	STA.	Station
		EXIST.	Existing	STD.	Standard
		F.B.	Field Book	STK.	Stake
		F.H.	Fire Hydrant	SWLY	Southwesterly
		FL	Flow Line	T.C.	Top of Curb
		FL	Flow Line	T.P.	Top of Pavement
		FO	Foot	TEL.	Telephone
		FT.	Foot	TIP.	Typical
		FTC	Future Top of Curb	V.C.P.	Vitrified Clay Pipe
		GW	Guy Wire of Pole	V.P.I.	Vertical Point of Intersection
		HOR.	Horizontal	VERT.	Vertical
		IN.	Inch	W.	West
		L.F.	Linear Feet	W.L.Y.	Westerly
		LAT.	Lateral		
		LET.	Left		
		M.H.	Manhole		
		M.O.	Middle Ordinate		
		M.O.C.	Middle of Curve		

SHEET INDEX

SHEET # DESCRIPTION

- | SHEET # | DESCRIPTION |
|---------|--|
| 1 | TITLE SHEET |
| 2 | CONSTRUCTION NOTES & DETAILS |
| 3 | SITE REMOVALS & EX. UTILITY PLAN |
| 4 | PRECISE GRADING PLAN |
| 5 | HORIZONTAL CONTROL, SIGNING & STRIPING |
| 6 | PRIVATE UTILITY |
| 7 | STANDARD DETAILS |
| 8 | SITE LIGHTING PHOTOMETRICS |
| 9 | LIGHTING DETAILS |

LANDSCAPE PLANS
L01-L18 LANDSCAPE PLANS

PROJECT CONTACTS / INFO

OWNER
SUNLINE TRANSIT AGENCY
32505 HARRY OLIVER TRAIL
THOUSAND PALMS, CA 92276
CONTACT: DEAN HOLM
PH: 760.343.3456

ENGINEER
HEPTAGON SEVEN CONSULTING, INC.
8413 E. BASELINE RD, SUITE 106
MESA, AZ 85209
CONTACT: BRAD DONAIS, PE
PH: 480.757.0997

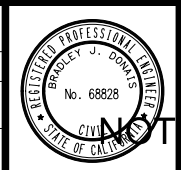
NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.
THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER CITY APPROVAL OR DURING CONSTRUCTION THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISIONS TO THE PLANS FOR APPROVAL BY THE CITY.



BENCHMARK: CITY OF COACHELLA 1007 ELEVATION: 437.448 DATUM: NAVD83 + 500 FEET
DESCRIPTION: 3 1/2" BRASS DISK SET IN TOP OF THE NORTHWEST CORNER OF A 1.5 FOOT HIGH PLASTER WALL AROUND THE "CITY OF COACHELLA" MONUMENT SIGN, LOCATED 25 FEET SOUTHWEST FROM THE BEGINNING OF THE SOUTH CURB RETURN AND 35 FEET SOUTH WEST OF SOUTHERLY CURB RETURN LOCATED AT THE INTERSECTION OF GRAPEFRUIT BLVD. (HIGHWAY 111) AND CESAR CHAVEZ (HARRISON STREET).
BASES OF BEARINGS: THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM (CCS33), ZONE 14, AS DETERMINED LOCALLY BY THE LINE BETWEEN CONTINUOUS OPERATING GPS BASE STATION STATIONS P491 AND P1N1, (EPOCH 2017.50) COORDINATES), AS COMPUTED AND PUBLISHED BY SCRIPPS ORBIT AND PERMANENT ARMY CENTER (SOPAC) AND THE CALIFORNIA SPATIAL REFERENCE CENTER (CSRC), BEING: **NORTH 78° 59' 35.41" WEST.**

BY	DATE	REVISIONS	APPR.	DATE	SEAL	CITY

APPROVED FOR CONSTRUCTION:
CITY OF COACHELLA
APPROVED FOR CONSTRUCTION:
ANDREW R. SIMMONS R.C.E. 72968 DATE: EXP. 09-30-2022



HEPTAGON SEVEN
8413 E. BASELINE RD SUITE 106
MESA, AZ 85209
480.757.0997
PREPARED UNDER THE DIRECT SUPERVISION OF:

CITY OF COACHELLA
SUNLINE TRANSIT
COACHELLA TRANSIT HUB
TITLE SHEET
CITY OF COACHELLA W.O. 77100149 CITY FILE NO.

06/18/2021

SHEET NO. **1** OF 9 SHEETS

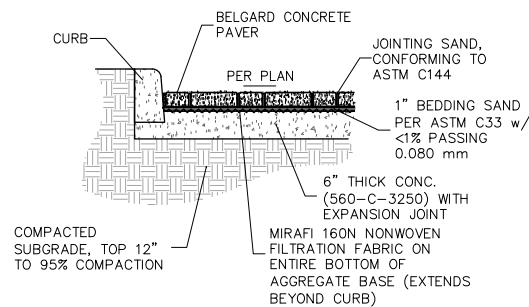
SUNLINE - COACHELLA TRANSIT HUB

CONSTRUCTION NOTES

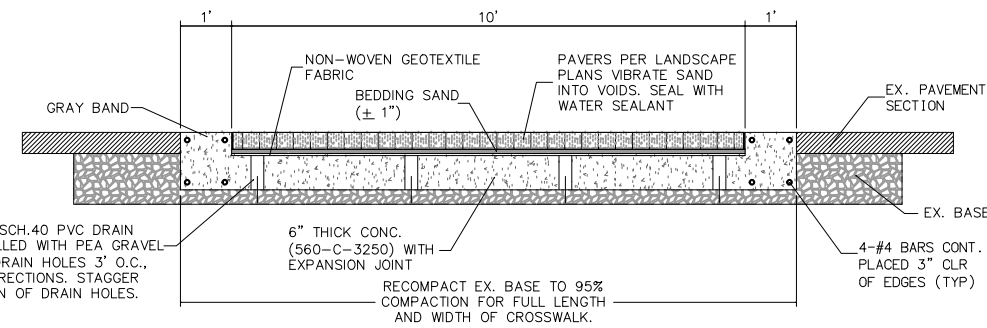
	UNITS	QUANTITY
1) PROTECT IN PLACE	--	--
(1) 2) REMOVE CURB & GUTTER	LF	195
(1) 3) REMOVE SIDEWALK	SF	1,075
(1) 4) REMOVE DRIVEWAY	SF	164
5) SALVAGE & REINSTALL STREET SIGN	EA	1
6) COMMUNICATIONS POLE TO BE REMOVED BY OTHERS	EA	3
7) CONST. 6" CONC. w/ FIBER MESH OVER 8" CMB	SF	13,050
8) CONST. 6" TYPE D CURB PER COC STD S-10	LF	508
9) CONST. 6" C&G PER COC STD S-7	LF	366
10) CONST. SIDEWALK (WIDTH PER PLAN) PER COC STD S25.1	SF	5,741
11) CONST. CURB RAMP TYPE 1, CASE B PER SPPIC DWG 111-5	EA	2
12) CONST. CROSSWALK w/ TRAFFIC RATED INTERLOCKING PAVERS (SANDSTONE COLOR) PER DETAIL ON SHEET 2	SF	228
13) CONST. BUS TURNOUT PER RCTD STD 814	SF	2,292
14) CONST. 8" CONCRETE BUILDING SLAB PER DETAIL ON SHEET 2	SF	514
15) F&I METAL BOLLARD PER DETAIL ON SHEET 2	EA	3
16) CONST. CONC. CURB OPENING w/ SPILLWAY PER DETAIL ON SHEET 2	SF	225
17) RIPRAP PER DETAIL ON SHEET 2	SF	45
18) CONST. PARTIAL CONC. SPANDREL PER DETAIL ON SHEET 2	SF	142
19) F&I PARKING LOT LIGHT, POST TYPE PER DETAIL ON SHEET 9	EA	5
20) F&I PARKING LOT LIGHT, SINGLE HEAD MAST, PER DETAIL ON SHEET 9	EA	3
21) F&I PARKING LOT LIGHT, DUAL HEAD MAST, PER DETAIL ON SHEET 9	EA	3
22) F&I 1.5" PVC CONDUIT & CONDUCTORS FOR SITE LIGHTING	LF	560
23) F&I IID TRANSFORMER PAD PER IID PLANS	EA	1
24) F&I 4" SCH 40 PVC CONDUIT (IID)	LF	20
25) F&I 6" SCH 40 PVC CONDUIT (IID)	LF	112
26) INSTALL SIGN	EA	4
27) INSTALL STOP BAR & "STOP" PM	EA	1
28) F&I 6" SDR-26 PVC SEWER LATERAL w/ BENDS & WYES PER COC STD. D-11	LF	105
29) F&I 6" SEWER CLEAN OUT PER COC STD D-1	EA	1
30) F&I 2" PVC SDR-21 DOMESTIC WATER SERVICE w/ BENDS & THRUST BLOCKS PER COC STD W-8	LF	250
31) F&I 1.5" PVC CONDUIT w/ PULL ROPE (DATA & FUTURE)	LF	570
32) F&I ELECTRICAL PULL BOX PER SPPIC STD 513-3	EA	3
33) F&I SIGN POST ONLY FOR SUNLINE BUS STOP SIGNAGE	EA	6
34) F&I SECURITY CAMERA & MOUNTING BRACKETS	EA	9
35) BUS STOP INFO SIGN INSTALLED BY SUNLINE	EA	5
36) F&I SIGNAL PULL BOX, CONDUIT & CABLING TO CONTROLLER CABINET	EA	1
37) F&I 3/4" PVC SDR-21 DOMESTIC WATER SERVICE w/ BENDS, CORP STOP & VALVE BOX	LF	40

(1) QUANTITY PROVIDED FOR INFORMATION ONLY. ITEMS OF WORK PER THE SPECIFICATIONS ARE INCIDENTAL TO OTHER CONSTRUCTION ITEMS LISTED IN THE BID SCHEDULE.

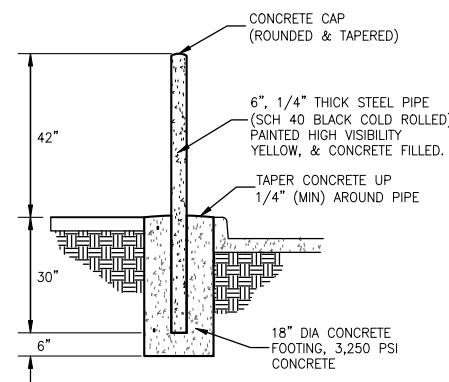
NOTE:
QUANTITIES LISTED ABOVE ARE PROVIDED FOR CONTRACTOR INFORMATION. THE BID ITEMS LISTED IN THE PROJECT BID PACKAGE UNDER THE BID SCHEDULE WILL GOVERN IN THE CASE OF A DISCREPANCY IN THE ABOVE LISTED QUANTITIES.



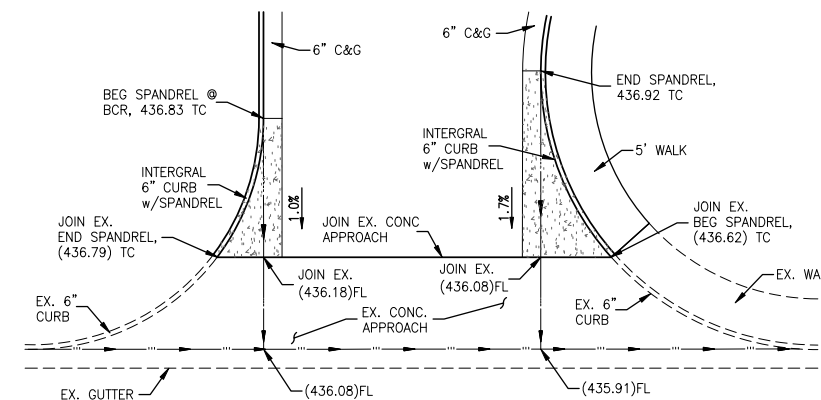
12 CROSSWALK DETAIL @ CURB
NOT TO SCALE



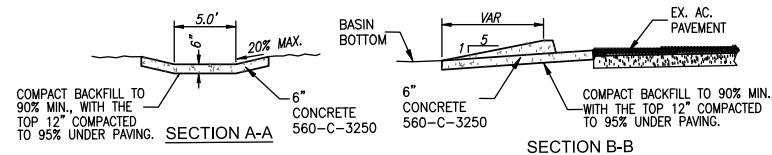
12 CROSSWALK CROSS SECTION DETAIL
NOT TO SCALE



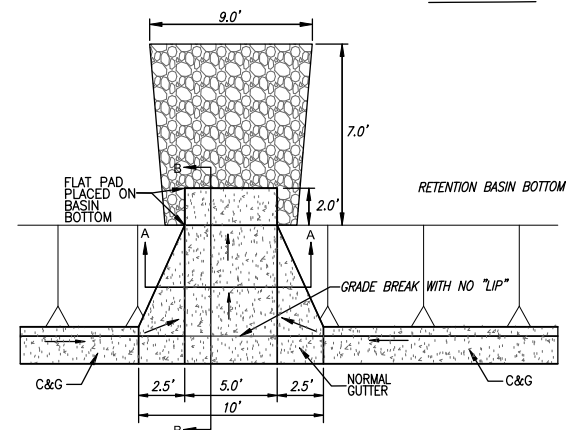
15 METAL BOLLARD
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18 PARTIAL CONC. SPANDREL
NOT TO SCALE

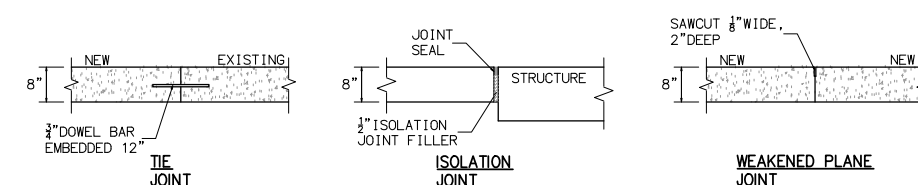


16 17 CURB OPENING w/ SPILLWAY & RIPRAP
NOT TO SCALE



WAITING ON RECOMMENDATIONS FROM THE BUILDING MANUFACTURER

14 CONCRETE BUILDING SLAB
NOT TO SCALE



7 CONCRETE PAVEMENT JOINTS
NOT TO SCALE

CONCRETE PAVEMENT CONSTRUCTION NOTES

1. THE TOP 12" OF SUBGRADE SHALL BE COMPACTED TO 95% RELATIVE COMPACTION, WITH THE SUBGRADE BROUGHT TO JUST OVER OPTIMUM MOISTURE CONTENT DURING COMPACTION OPERATIONS.
2. THE CONCRETE STRUCTURAL SECTION FOR THE FRONT PARKING LOT/DRIVEWAY AREA SHALL BE AS FOLLOWS:
6.0" THICK 560-C-4500 CONCRETE W/ TYPE III FIBER MESH AND REINFORCEMENT OVER 8.0" THICK CRUSHED MISC. BASE (CMB) CLASS II OVER 12.0" THICK COMPACTED SUBGRADE TO 95% RELATIVE COMPACTION
3. THE FRONT PARKING LOT/DRIVEWAY AREA SHALL BE REINFORCED WITH #4 REINFORCEMENT PLACED 18" O.C., AND THE FIBER MESH SHALL BE TYPE III, BOTH IN ACCORDANCE WITH THE GREENBOOK STANDARD SPECIFICATION 201-2.
4. MAXIMUM JOINT SPACING IS 12 FEET, UNLESS OTHERWISE NOTED. LAYOUT JOINTS SHALL BE SQUARE. RECTANGULAR PANELS MAY BE ALLOWED AS LONG AS THE LONG DIMENSION IS NO MORE THAN 1.5 TIMES THE LENGTH OF THE SHORT DIMENSION.
5. WEAKENED PLANE JOINTS SHALL HAVE A DEPTH OF AT LEAST ONE-QUARTER (1/4) OF THE SLAB THICKNESS (WITH A MINIMUM DEPTH OF 1.5"). EXPANSION JOINTS SHALL EXTEND THROUGH THE ENTIRE SLAB THICKNESS AND SHALL BE USED TO ISOLATE FIXED OBJECTS ABUTTING OR WITHIN THE CONCRETE AREA. SAWED JOINTS SHALL BE COMPLETED AS SOON AS POSSIBLE WITHOUT RAVELING THE NEW CONCRETE.
6. ALL NEW CONCRETE ADJACENT TO EXISTING CONCRETE PAVEMENT, FOR THE BACK YARD PAVING, SHALL BE TIED TO THE EXISTING CONCRETE WITH A 3/8" DOWEL BAR EMBEDDED A MINIMUM OF 12" INTO BOTH THE NEW AND EXISTING CONCRETE. DOWEL BARS SHALL BE SPACED AT 24" O.C., AND A SHALL BE PLACED NO CLOSER THAN 12" FROM A WEAKENED PLANE JOINT.

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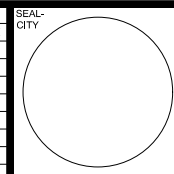
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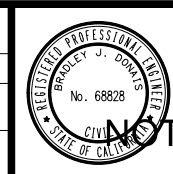
BENCHMARK: CITY OF COACHELLA 1007 ELEVATION: 437.448 DATUM: NAVD83 + 500 FEET
DESCRIPTION: 3 1/2" BRASS DISK SET IN TOP OF THE NORTHWEST CORNER OF A 1.5 FOOT HIGH PLASTER WALL AROUND THE "CITY OF COACHELLA" MONUMENT SIGN, LOCATED 25 FEET SOUTHEAST FROM THE BEGINNING OF THE SOUTH CURB RETURN AND 35 FEET SOUTH WEST OF SOUTHERLY CURB RETURN LOCATED AT THE INTERSECTION OF GRAPEFRUIT BLVD. (HIGHWAY 111) AND CESAR CHAVEZ (HARRISON STREET).

BASIS OF BEARINGS: THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE 14, AS DETERMINED LOCALLY BY THE LINE BETWEEN CONTINUOUS OPERATING GPS BASE STATION STATIONS P491 AND P1N1, (EPOCH 2017.50) COORDINATES, AS COMPUTED AND PUBLISHED BY SCRIPPS ORBIT AND PERMANENT ARRAY CENTER (SPAC) AND THE CALIFORNIA SPATIAL REFERENCE CENTER (CSRC), BEING: NORTH 78° 59' 35.44" WEST.

BY	DATE	REVISIONS	APP'D	DATE	SEAL	CITY



RECOMMENDED FOR APPROVAL
DATE: EXP. 12-31-2021
NIEL OWLSLEY R.C.E. 39877
CITY OF COACHELLA
APPROVED FOR CONSTRUCTION
DATE: EXP. 09-30-2022
ANDREW R. SIMONS R.C.E. 72868



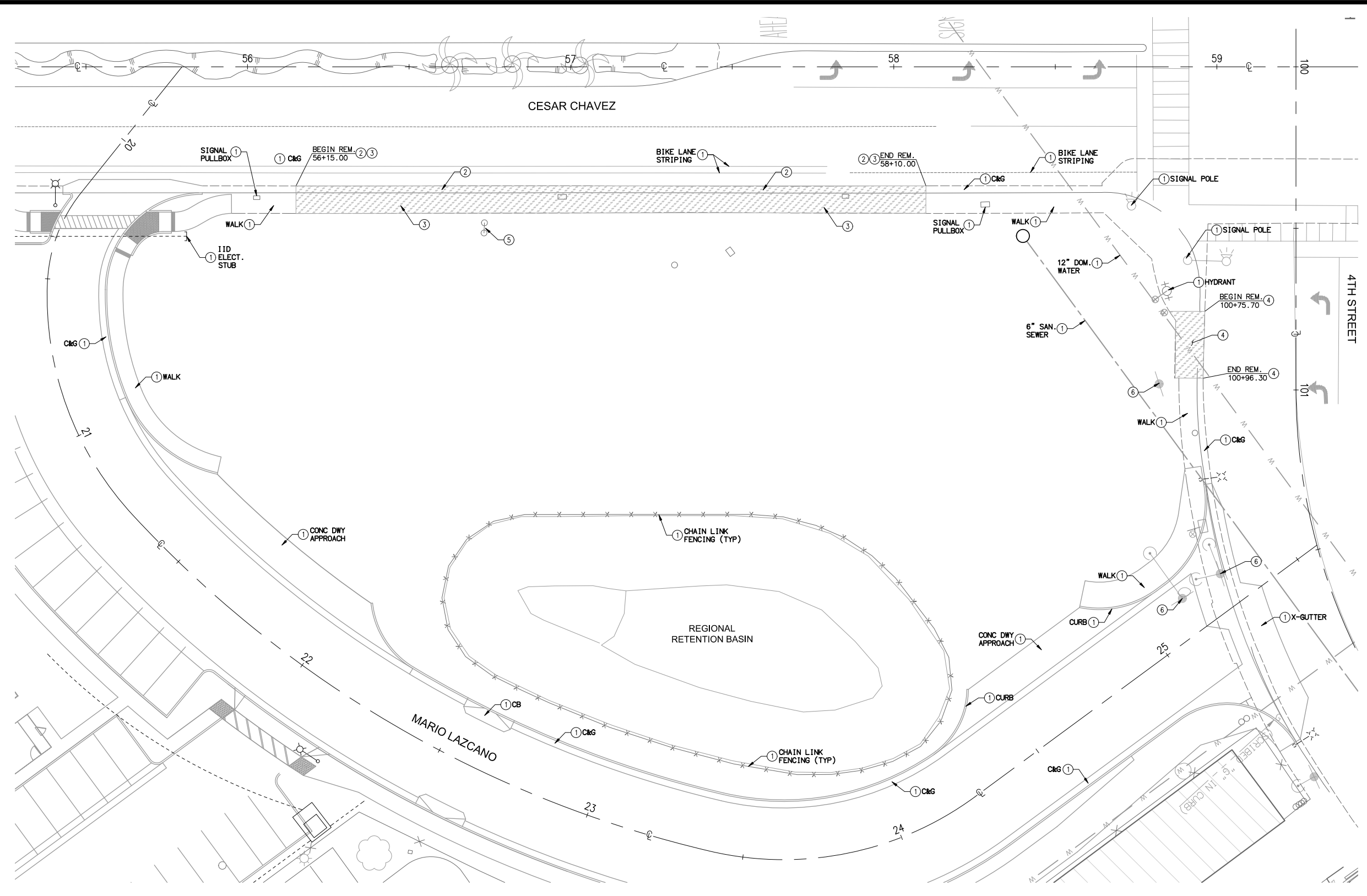
QUALITY, DEDICATION & EXPERIENCE
HEPTAGON SEVEN
8413 E BASELINE RD SUITE 106
MESA, AZ 85209
480.757.0997
PREPARED UNDER THE DIRECT SUPERVISION OF
BRADLEY J. DOWNS, R.C.E. 68828

CITY OF COACHELLA
SUNLINE TRANSIT
COACHELLA TRANSIT HUB
CONSTRUCTION NOTES & DETAILS
FOR THE CITY OF COACHELLA

07/08/2021
SHEET NO. **2**
OF 9 SHEETS

NOT FOR CONSTRUCTION

W.O. 77100149
CITY FILE NO.

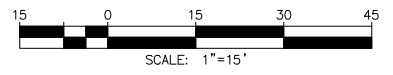


- CONSTRUCTION NOTES**
- ① PROTECT IN PLACE
 - ② REMOVE CURB & GUTTER
 - ③ REMOVE SIDEWALK
 - ④ REMOVE DRIVEWAY
 - ⑤ SALVAGE & REINSTALL STREET SIGN
 - ⑥ COMMUNICATIONS POLE TO BE REMOVED BY OTHERS

LEGEND

REMOVE CONCRETE ② ③ ④

MARIO LAZCANO NOTE:
 MARIO LAZCANO STREET IMPROVEMENTS FROM STATION 23+00 TO 4TH STREET, ARE A PART OF A SEPARATE CITY IMPROVEMENT PROJECT. SUNLINE'S CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE CITY'S CONTRACTOR FOR CONNECTIONS INTO MARIO LAZCANO.



06/18/2021

NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER CITY APPROVAL OR DURING CONSTRUCTION THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.

DIGIALERT

CALL BEFORE YOU DIG

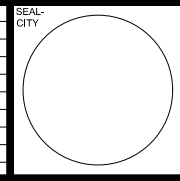
800-487-2244

A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

BENCHMARK: CITY OF COACHELLA 1007 ELEVATION: 437.448 DATUM: NAVD83 + 500 FEET
 DESCRIPTION: 3 1/2" BRASS DISK SET IN TOP OF THE NORTHWEST CORNER OF A 1.5 FOOT HIGH PLASTER WALL AROUND THE "CITY OF COACHELLA" MONUMENT SIGN, LOCATED 25 FEET SOUTHEAST FROM THE BEGINNING OF THE SOUTH CURB RETURN AND 35 FEET SOUTH WEST OF SOUTHERLY CURB RETURN LOCATED AT THE INTERSECTION OF GRAPEFRUIT BLVD. (HIGHWAY 111) AND CESAR CHAVEZ (HARRISON STREET).

BASES OF BEARINGS: THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM (CCS33), ZONE 14, AS DETERMINED LOCALLY BY THE LINE BETWEEN CONTINUOUS OPERATING GPS BASE STATION STATIONS P491 AND P1N1, (EPOCH 2017.50) COORDINATES), AS COMPUTED AND PUBLISHED BY SCRIPPS ORBIT AND PERMANENT ARRAY CENTER (SOPAC) AND THE CALIFORNIA SPATIAL REFERENCE CENTER (CSRC), BEING: NORTH 78° 59' 35.41" WEST.

BY	DATE	REVISIONS	APP'D	CITY	SEAL



RECOMMENDED FOR APPROVAL

DATE: EXP. 12-31-2021

CITY OF COACHELLA

APPROVED FOR CONSTRUCTION

DATE: EXP. 06-30-2022



HEPTAGON SEVEN

QUALITY, DEDICATION & EXPERIENCE

8413 E BASELINE RD SUITE 106 MESA, AZ 85209 480.757.0997

PREPARED UNDER THE DIRECT SUPERVISION OF:

BRADLEY DONOHUE, R.C.E. 68828

CITY OF COACHELLA

SUNLINE TRANSIT COACHELLA TRANSIT HUB SITE REMOVALS & EX. UTILITY PLAN

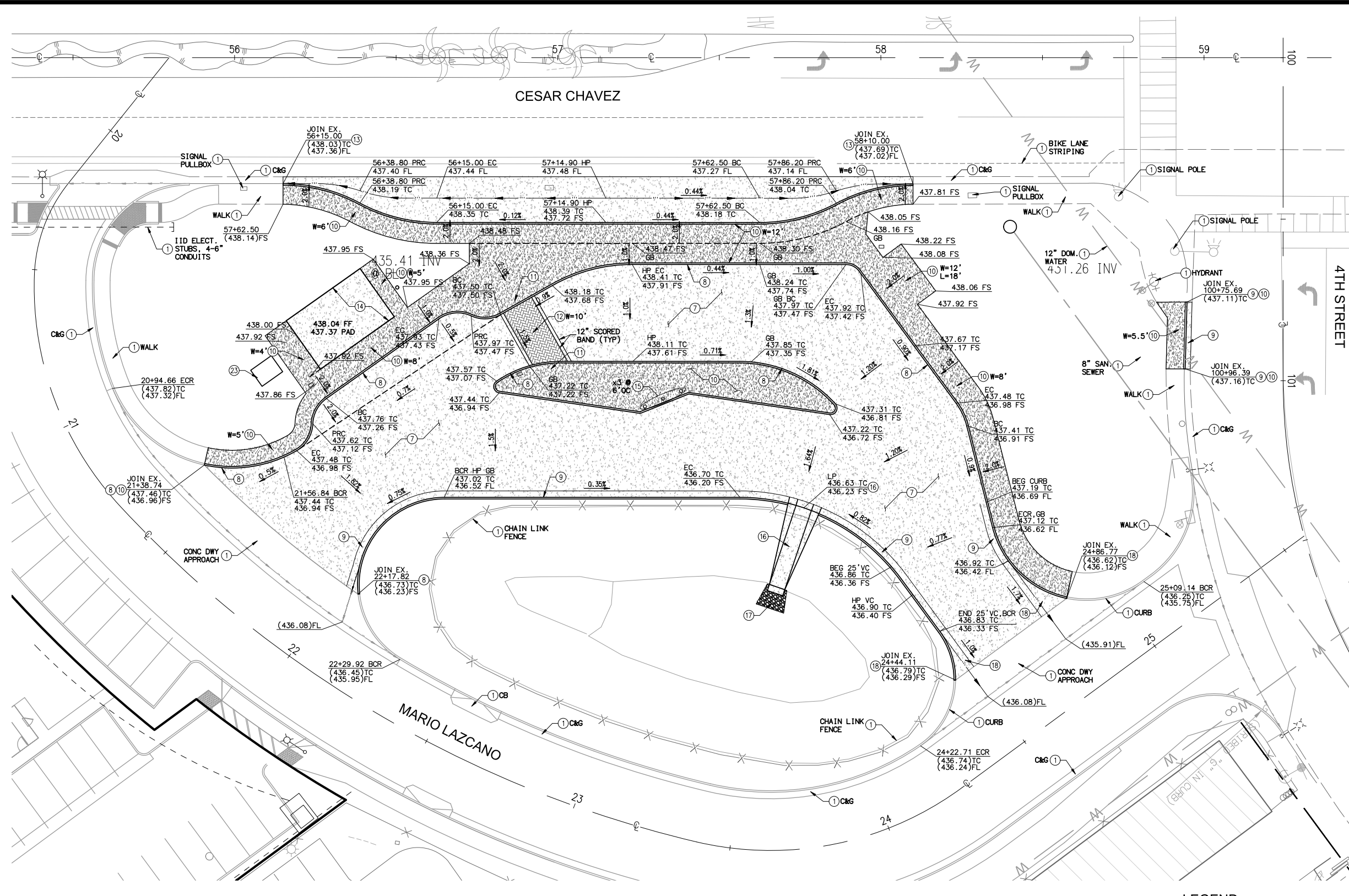
FOR: CITY OF COACHELLA

W.O. 77100149

CITY FILE NO.

SHEET NO. **3** OF 9 SHEETS

NOT FOR CONSTRUCTION



- CONSTRUCTION NOTES**
- ① PROTECT IN PLACE
 - ⑦ CONST. 6" CONC. w/ FIBER MESH OVER 8" C&G
 - ⑧ CONST. 6" TYPE D CURB PER COC STD S-10
 - ⑨ CONST. 6" C&G PER COC STD S-7
 - ⑩ CONST. SIDEWALK (WIDTH PER PLAN) PER COC STD S25.1
 - ⑪ CONST. CURB RAMP TYPE 1, CASE B PER SPPWC DWG 111-5
 - ⑫ CONST. CROSSWALK w/ TRAFFIC RATED INTERLOCKING PAVERS (SANDSTONE COLOR) PER DETAIL ON SHEET 2
 - ⑬ CONST. BUS TURNOUT PER RCTD STD 814
 - ⑭ CONST. 8" CONCRETE BUILDING SLAB PER DETAIL ON SHEET 2
 - ⑮ F&I METAL BOLLARD PER DETAIL ON SHEET 2
 - ⑯ CONST. CONC. CURB OPENING w/ SPILLWAY PER DETAIL ON SHEET 2
 - ⑰ RIPRAP PER DETAIL ON SHEET 2
 - ⑱ CONST. PARTIAL CONC. SPANDREL PER DETAIL ON SHEET 2
 - ⑳ F&I IID TRANSFORMER PAD PER IID PLANS

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 MARIO LAZCANO STREET IMPROVEMENTS FROM STATION 23+00 TO 4TH STREET, ARE A PART OF A SEPARATE CITY IMPROVEMENT PROJECT. SUNLINE'S CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE CITY'S CONTRACTOR FOR CONNECTIONS INTO MARIO LAZCANO.

LINE / CURVE DATA TABLE
 SEE SHEET 5 FOR LINE / CURVE INFORMATION ON CURB AND CENTERLINES.

- LEGEND**
- MASONRY PAVERS ⑫
 - CONCRETE WALK ⑩ ⑪
 - CONCRETE CONST ⑦
 - RIP RAP ⑰



NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.

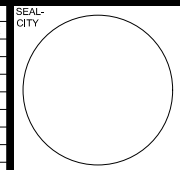
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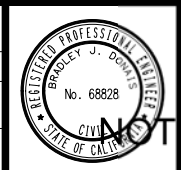
BENCHMARK: CITY OF COACHELLA 1007 ELEVATION: 437.448 DATUM: NAVD83 + 500 FEET
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NO.	REVISIONS	DATE	BY	CHKD.	APP'D.	DATE



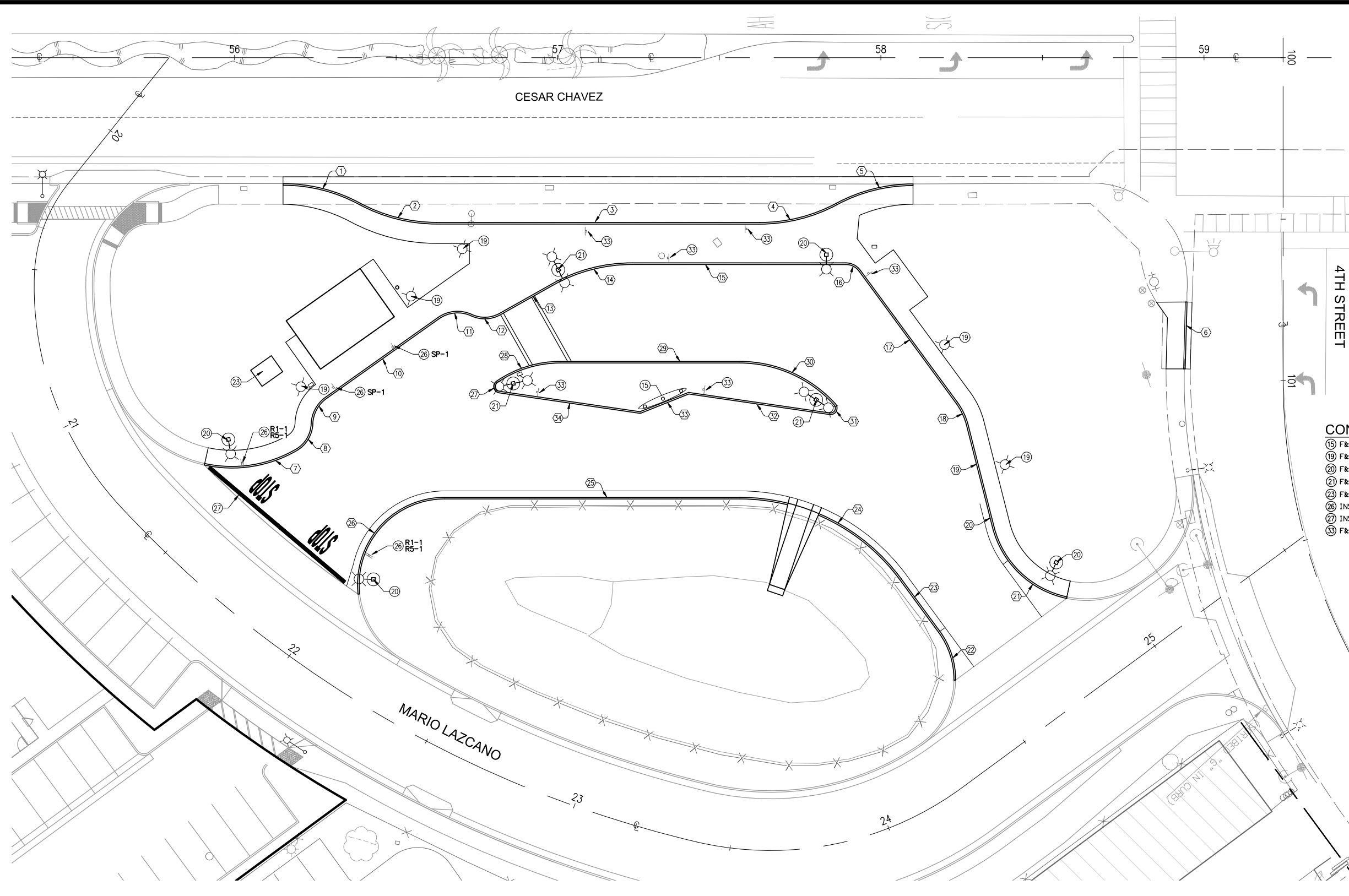
RECOMMENDED FOR APPROVAL:
 NIDEL OWLSLEY R.C.E. 39877 DATE: EXP. 12-31-2021
CITY OF COACHELLA
 APPROVED FOR CONSTRUCTION:
 ANDREW R. SIMONS R.C.E. 72868 DATE: EXP. 09-30-2022



HEPTAGON SEVEN
 QUALITY, DEDICATION & EXPERIENCE
 8413 E BASELINE RD SUITE 108 MESA AZ 85209 480.757.0997
 PREPARED UNDER THE DIRECT SUPERVISION OF:
 BRADLEY J. DOWNES R.C.E. 68828 DATE: 06/18/2021

CITY OF COACHELLA
 SUNLINE TRANSIT
 COACHELLA TRANSIT HUB
 PRECISE GRADING
 W.O. 77100149 CITY FILE NO.

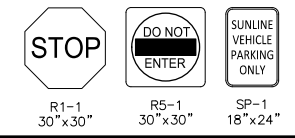
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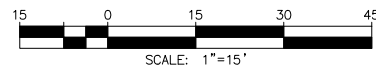
- CONSTRUCTION NOTES**
- 15 F&I METAL BOLLARD PER DETAIL ON SHEET 2
 - 19 F&I PARKING LOT LIGHT, POST TYPE PER DETAIL ON SHEET 9
 - 20 F&I PARKING LOT LIGHT, SINGLE HEAD MAST, PER DETAIL ON SHEET 9
 - 21 F&I PARKING LOT LIGHT, DUAL HEAD MAST, PER DETAIL ON SHEET 9
 - 23 F&I IID TRANSFORMER PAD PER IID PLANS
 - 26 INSTALL SIGN
 - 27 INSTALL STOP BAR & "STOP" PM
 - 33 F&I SIGN POST ONLY FOR SUNLINE BUS STOP SIGNAGE

LINE / CURVE DATA	BEARING/Delta	RADIUS	LENGTH	DESCRIPTION
1	Δ=28°23'29"	50.00'	24.78'	BUS TURNOUT CURB
2	Δ=28°21'18"	50.00'	24.74'	BUS TURNOUT CURB
3	N00°13'00"E	---	100.00'	BUS TURNOUT CURB
4	Δ=28°17'47"	50.00'	24.69'	BUS TURNOUT CURB
5	Δ=28°20'14"	49.95'	24.71'	BUS TURNOUT CURB
6	N88°14'57"W	---	20.70'	6" CURB
7	Δ=42°22'25"	40.00'	29.58'	6" CURB
8	Δ=57°58'18"	10.00'	10.12'	6" CURB
9	Δ=52°40'09"	10.00'	9.19'	6" CURB
10	N35°08'29"W	---	42.68'	6" CURB
11	Δ=60°09'19"	10.00'	10.50'	6" CURB
12	Δ=54°12'10"	10.00'	9.46'	6" CURB
13	N29°11'20"W	---	18.57'	6" CURB
14	Δ=29°24'20"	50.00'	25.66'	6" CURB
15	N00°13'00"E	---	66.14'	6" CURB
16	Δ=53°39'58"	5.00'	4.68'	6" CURB
17	N53°52'58"E	---	50.73'	6" CURB
18	Δ=22°03'10"	20.00'	7.70'	6" CURB
19	N75°56'08"E	---	24.52'	6" CURB
20	N75°56'08"E	---	8.04'	6" CURB
21	Δ=63°53'39"	30.00'	33.45'	6" CURB SPANDREL
22	Δ=36°57'37"	25.00'	16.13'	6" CURB SPANDREL
23	N53°51'06"E	---	20.15'	6" CURB
24	Δ=53°39'02"	62.00'	58.06'	6" CURB
25	N00°12'04"E	---	91.31'	6" CURB
26	Δ=96°15'16"	27.00'	45.36'	6" CURB
27	Δ=137°20'38"	2.00'	4.79'	6" CURB
28	Δ=34°22'53"	35.00'	21.00'	6" CURB
29	N00°13'00"E	---	55.47'	6" CURB
30	Δ=47°45'11"	40.00'	33.34'	6" CURB
31	Δ=140°31'18"	2.00'	4.91'	6" CURB
32	N08°29'29"E	---	44.05'	6" CURB
33	N21°35'12"W	---	16.16'	6" CURB
34	N08°29'29"E	---	44.10'	6" CURB

SIGN LEGEND



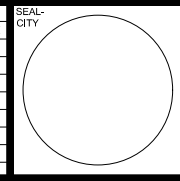
SITE LIGHTING NOTE
SEE SHEET 6, PRIVATE UTILITY, FOR DETAILS ON SITE LIGHTING.



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BENCHMARK: CITY OF COACHELLA 1007 ELEVATION: 437.448 DATUM: NAD83 + 500 FEET
DESCRIPTION: 3 1/2" BRASS DISK SET IN TOP OF THE NORTHWEST CORNER OF A 1.5 FOOT HIGH PLASTER WALL AROUND THE "CITY OF COACHELLA" MONUMENT SIGN, LOCATED 25 FEET SOUTHWEST FROM THE BEGINNING OF THE SOUTH CURB RETURN AND 35 FEET SOUTH WEST OF SOUTHERLY CURB RETURN LOCATED AT THE INTERSECTION OF GRAPEFRUIT BLVD. (HIGHWAY 111) AND CESAR CHAVEZ (HARRISON STREET).
BASES OF BEARINGS: THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE 14, AS DETERMINED LOCALLY BY THE LINE BETWEEN CONTINUOUS OPERATING GPS BASE STATION STATIONS P491 AND P101, (EPOCH 2017.50) COORDINATES, AS COMPUTED AND PUBLISHED BY SCRIPPS ORBIT AND PERMANENT ARRAY CENTER (SOPAC) AND THE CALIFORNIA SPATIAL REFERENCE CENTER (CSRC), BEING: NORTH 78° 59' 35.49" WEST.

BY	DATE	REVISIONS	APP'D	DATE	SEAL	CITY

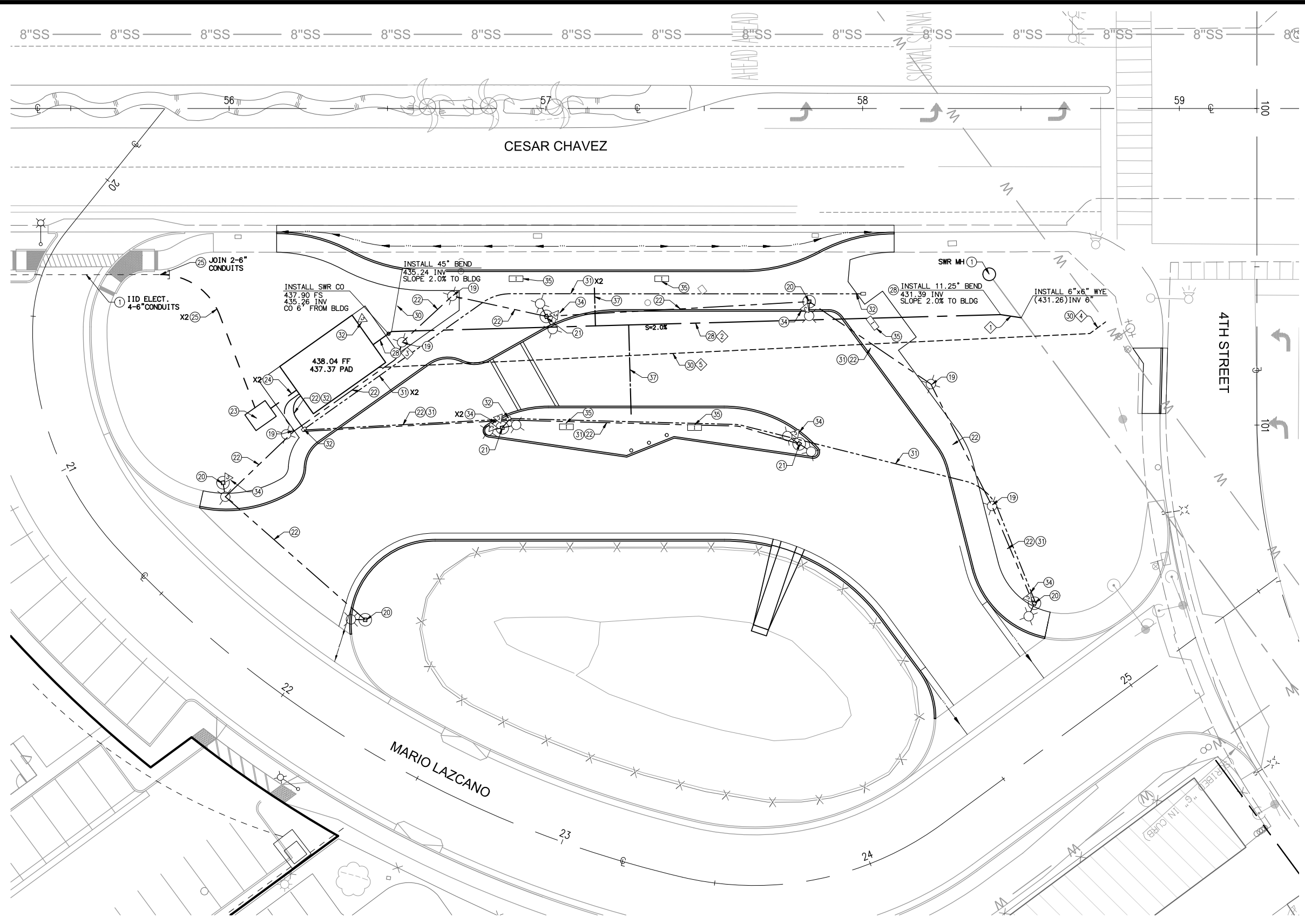


RECOMMENDED FOR APPROVAL
DATE: EXP. 12-31-2021
NIEL OWLSLEY R.C.E. 39877
CITY OF COACHELLA
APPROVED FOR CONSTRUCTION
DATE: EXP. 09-30-2022
ANDREW R. SIMONS R.C.E. 72868



HEPTAGON SEVEN
QUALITY, DEDICATION & EXPERIENCE
8413 E BASELINE RD SUITE 106 MESA, AZ 85209 480.757.0997
PREPARED UNDER THE DIRECT SUPERVISION OF:
BRADLEY DOWNS, R.C.E. 68828 DATE:

CITY OF COACHELLA
SUNLINE TRANSIT
COACHELLA TRANSIT HUB
HORIZONTAL CONTROL,
SIGNING & STRIPING
CITY OF COACHELLA W.O. 77100149 CITY FILE NO.



NO.	BEARING/DELTA	RADIUS	LENGTH	NOTE
1	N08°51'08"E	--	6.58'	6" PVC SEWER
2	N01°23'29"W	--	192.36'	6" PVC SEWER
3	N35°08'29"W	--	7.17'	6" PVC SEWER
4	N36°07'02"W	--	6.20'	2" DW SERVICE
5	N02°32'02"W	--	224.80'	2" DW SERVICE

- CONSTRUCTION NOTES**
- ① PROTECT IN PLACE
 - ⑱ F&I PARKING LOT LIGHT, POST TYPE PER DETAIL ON SHEET 9
 - ⑳ F&I PARKING LOT LIGHT, SINGLE HEAD MAST, PER DETAIL ON SHEET 9
 - ㉑ F&I PARKING LOT LIGHT, DUAL HEAD MAST, PER DETAIL ON SHEET 9
 - ㉒ F&I 1.5" PVC CONDUIT & CONDUCTORS FOR SITE LIGHTING
 - ㉓ F&I IID TRANSFORMER PAD PER IID PLANS
 - ㉔ F&I 4" SCH 40 PVC CONDUIT (IID)
 - ㉕ F&I 6" SCH 40 PVC CONDUIT (IID)
 - ㉖ F&I 6" SDR-26 PVC SEWER LATERAL w/ BENDS & WYES PER COC STD. D-11
 - ㉗ F&I 2" PVC SDR-21 DOMESTIC WATER SERVICE w/ BENDS & THRUST BLOCKS PER COC STD W-8
 - ㉘ F&I 1.5" PVC CONDUIT w/ PULL ROPE (DATA & FUTURE)
 - ㉙ F&I ELECTRICAL PULL BOX PER SWPPP STD 513-3
 - ㉚ F&I SECURITY CAMERA & MOUNTING BRACKETS
 - ㉛ BUS STOP INFO SIGN INSTALLED BY SUNLINE
 - ㉜ F&I 3/4" PVC SDR-21 DOMESTIC WATER SERVICE w/ BENDS, CORP STOP & VALVE BOX



07/08/2021

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BY	DATE	REVISIONS	APP'D	DATE	SEAL

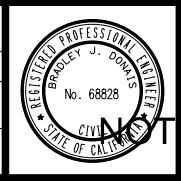
RECOMMENDED FOR APPROVAL

DATE: EXP. 12-31-2021

CITY OF COACHELLA

APPROVED FOR CONSTRUCTION

DATE: EXP. 09-30-2022



HEPTAGON SEVEN

QUALITY, DEDICATION & EXPERIENCE

8413 E BASELINE RD SUITE 106 MESA AZ 85209 480.757.0997

PREPARED UNDER THE DIRECT SUPERVISION OF:

CITY OF COACHELLA

SUNLINE TRANSIT

COACHELLA TRANSIT HUB

PRIVATE UTILITY PLAN

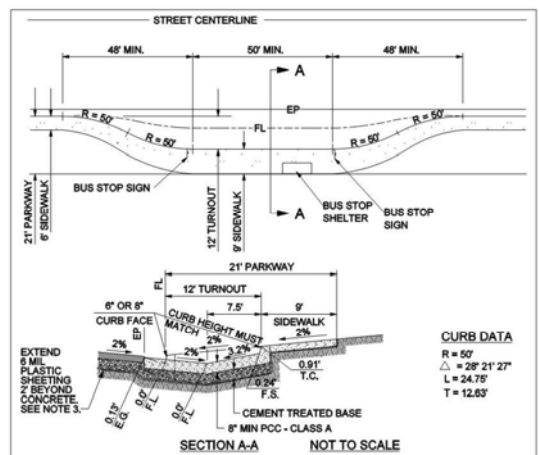
CITY OF COACHELLA W.O. 77100149 CITY FILE NO.

SHEET NO.

6

9 SHEETS

NOT FOR CONSTRUCTION



NOTES:
 1. THICKNESS OF PCC AND BASE DEPENDS UPON ADT VOLUME AND SOIL TYPE. STRUCTURAL SECTION CALCULATIONS ARE REQUIRED.
 2. LOCATION OF BUS TURNOUT SHOULD BE AS APPROVED BY THE TRANSPORTATION DEPARTMENT, AND IN CONSULTATION WITH THE APPROPRIATE TRANSIT AGENCY. (FAR SIDE BUS TURNOUT IS THE PREFERRED LOCATION).
 3. WHEN ABUTTING SOIL HAS A HIGH SULFATE CONTENT, SPECIAL CONSIDERATIONS ARE REQUIRED. SEE SPECIFICATIONS (SECTION 18.04).

APPROVED BY: *[Signature]* DATE: 06/01/07

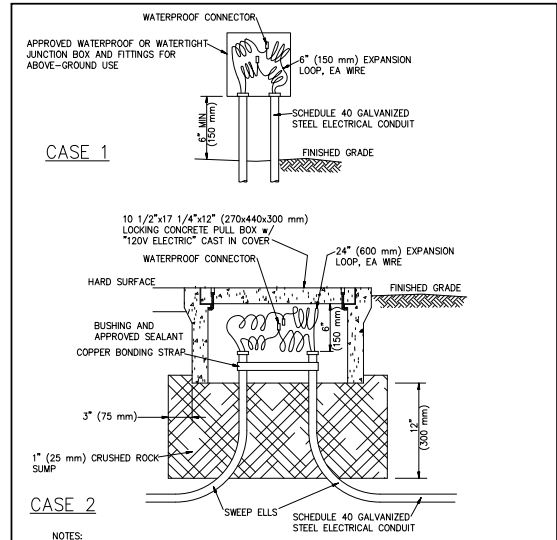
DIRECTOR OF TRANSPORTATION
 GEORGE A. SCHWICK, P.E. 6228

COUNTY OF RIVERSIDE

BUS TURNOUT

STANDARD NO. 814

REVISIONS	REV. BY	APPROV. DATE	REV. BY	APPROV. DATE
1			4	
2			8	
3			9	

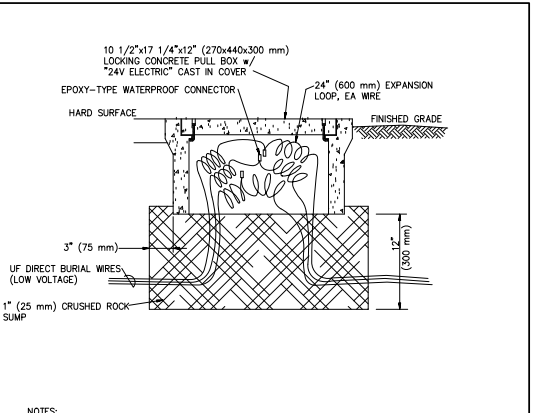


NOTES:
 1. AREA AROUND BOX MAY BE PLANTED, HARD SURFACE, OR A COMBINATION OF BOTH.
 2. TOP OF BOX:
 AT GRADE FOR HARD SURFACE
 1/2" (12 mm) ABOVE GRADE FOR LAWN
 1" (25 mm) ABOVE GRADE FOR GROUND COVER OR SHRUBS
 3. CRUSHED ROCK SHALL COVER ELECTRICAL BOX SIDE OPENINGS TO PREVENT SOIL ENTRY.
 4. WATERPROOF CONNECTORS SHALL BE SUBJECT TO ENGINEER'S APPROVAL.
 5. PVC CONDUIT MAY BE USED FOR CASE 2 IF APPROPRIATE GROUND WIRES ARE INSTALLED.

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

ELECTRICAL PULL BOX

STANDARD PLAN 513-3
 SHEET 1 OF 2

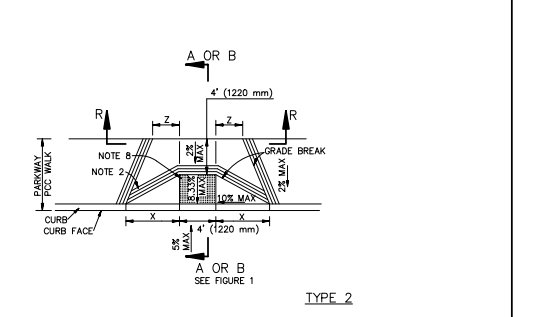
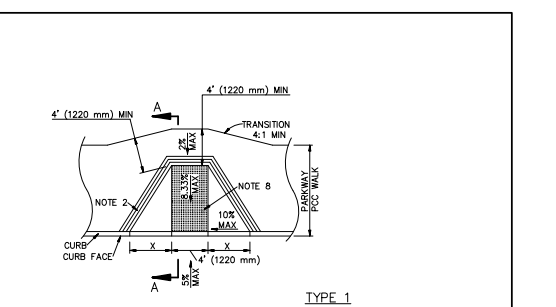


NOTES:
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 2. TOP OF BOX:
 AT GRADE FOR HARD SURFACE
 1/2" (12 mm) ABOVE GRADE FOR LAWN
 1" (25 mm) ABOVE GRADE FOR GROUND COVER OR SHRUBS
 3. CRUSHED ROCK SHALL COVER ELECTRICAL BOX SIDE OPENINGS TO PREVENT SOIL ENTRY.
 4. LOW VOLTAGE WIRES UNDER ROADWAY SHALL BE WITHIN CONTINUOUS CONDUIT WITH 90° SWEEP ELLS TERMINATING WITHIN PULL BOXES. SEE PLANS FOR SIZE AND TYPE OF BOXES.

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

ELECTRICAL PULL BOX

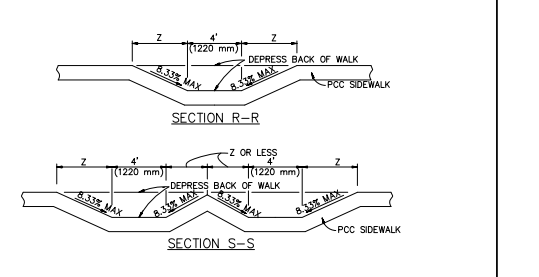
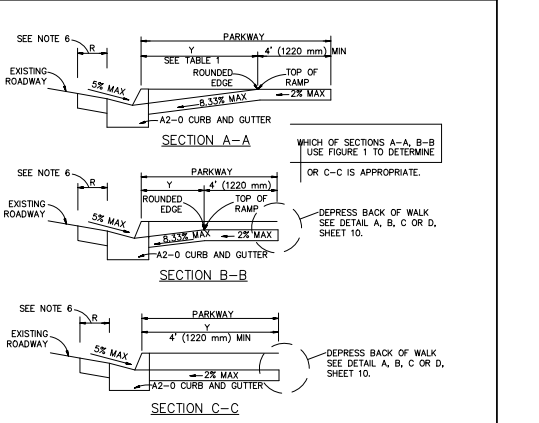
STANDARD PLAN 513-3
 SHEET 2 OF 2



STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

CURB RAMP

STANDARD PLAN 111-5
 SHEET 1 OF 10



STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

CURB RAMP

STANDARD PLAN 111-5
 SHEET 7 OF 10

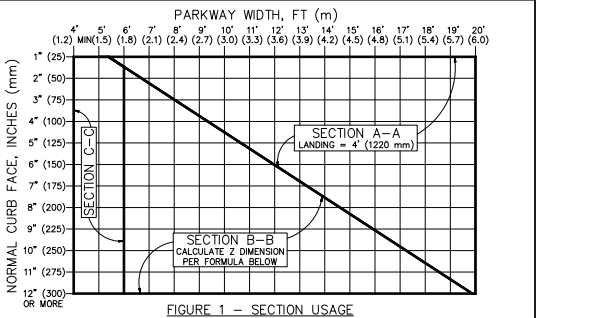


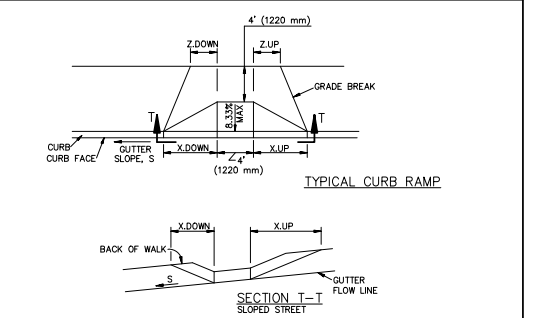
FIGURE 1 - SECTION USAGE

NORMAL CURB FACE, INCHES (mm)	X, FT (mm)	SECTION Y-Y, Y, FT (mm)	WHERE FIGURE 1 SHOWS USE OF SECTION B-B, FIGURE 2 DIMENSION AS FOLLOWS:
2" (50)	4.00' (1220) MIN	2.63' (790)	W = PARKWAY WIDTH L = LANDING WIDTH, 4' (1220 mm) TYP Z = [(Y+L)-W] x 0.760
3" (75)	4.00' (1220) MIN	3.95' (1185)	IF (Y+L) < W, THEN Z = 0
4" (100)	4.00' (1220) MIN	5.26' (1580)	
5" (125)	4.17' (1275)	6.58' (1975)	
6" (150)	5.00' (1525)	7.90' (2370)	
7" (175)	5.83' (1775)	9.21' (2765)	
8" (200)	6.67' (2035)	10.53' (3160)	
9" (225)	7.50' (2285)	11.84' (3555)	
10" (250)	8.33' (2540)	13.16' (3950)	
11" (275)	9.17' (2795)	14.47' (4340)	
12" (300) OR MORE	10.00' (3050)	15.78' (4735)	

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

CURB RAMP

STANDARD PLAN 111-5
 SHEET 8 OF 10



FOR SLOPED STREETS, MULTIPLY THE DIMENSIONS PARALLEL TO THE STREET, X AND Z, UPSTREAM AND DOWNSTREAM OF THE RAMP, BY THE FACTORS IN THE FOLLOWING TABLE.

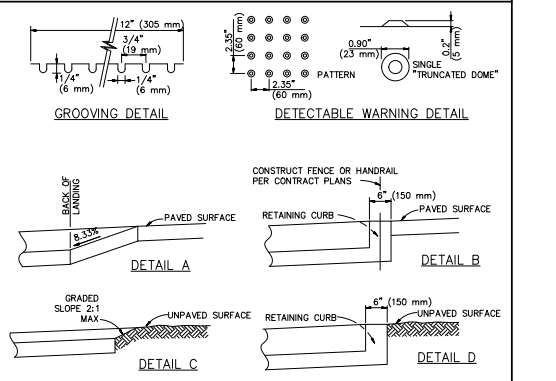
FOR EXAMPLE, XDOWN = X x KDOWN

S	KDOWN	KUP
0%	1.000	1.000
0.2%	0.9771025	
0.5%	0.9431064	
1%	0.8931136	
2%	0.8061316	
3%	0.7351563	
4%	0.6761923	
5%	0.6252500	

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

CURB RAMP

STANDARD PLAN 111-5
 SHEET 9 OF 10



STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

CURB RAMP

STANDARD PLAN 111-5
 SHEET 10 OF 10

DIGALERT

CALL BEFORE YOU DIG

1-800-4-A-SUNLINE

FOR A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

BENCHMARK: CITY OF COACHELLA 1007 ELEVATION: 437.448 DATE: 11/08/08 + 500 FEET

DESCRIPTION: 3 1/2" BRASS DISK SET IN TOP OF THE NORTHWEST CORNER OF A 1.5 FOOT HIGH PLASTER WALL AROUND THE "CITY OF COACHELLA" MONUMENT SIGN, LOCATED 25 FEET SOUTHWEST FROM THE BEGINNING OF THE SOUTH CURB RETURN AND 35 FEET SOUTH WEST OF SOUTHERLY CURB RETURN LOCATED AT THE INTERSECTION OF GRAPESFRUIT BLVD. (HIGHWAY 111) AND CESAR CHAVEZ (HARRISON STREET).

BASES OF BEARINGS: THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM (CCS83). ZONE 14, AS DETERMINED LOCALLY BY THE LINE BETWEEN CONTINUOUS OPERATING GPS BASE STATION STATIONS P491 AND P1N1, (EPOCH 2017.50) COORDINATES, AS COMPUTED AND PUBLISHED BY SCRIPPS ORBIT AND PERMANENT ARMY CENTER (SOPAC) AND THE CALIFORNIA SPATIAL REFERENCE CENTER (CSRC), BEING: **NORTH 78° 59' 35.49" WEST.**

BY	DATE	REVISIONS

RECOMMENDED FOR APPROVAL:

DATE: EXP. 12-31-2021

CITY OF COACHELLA

APPROVED FOR CONSTRUCTION:

DATE: EXP. 09-30-2022

REGISTERED PROFESSIONAL ENGINEER

NO. 68828

CITY OF CALIFORNIA

HEPTAGON SEVEN

QUALITY, DEDICATION & EXPERIENCE

8413 E BASELINE RD SUITE 108 MESA, AZ 85209 480.757.0997

PREPARED UNDER THE DIRECT SUPERVISION OF:

CITY OF COACHELLA

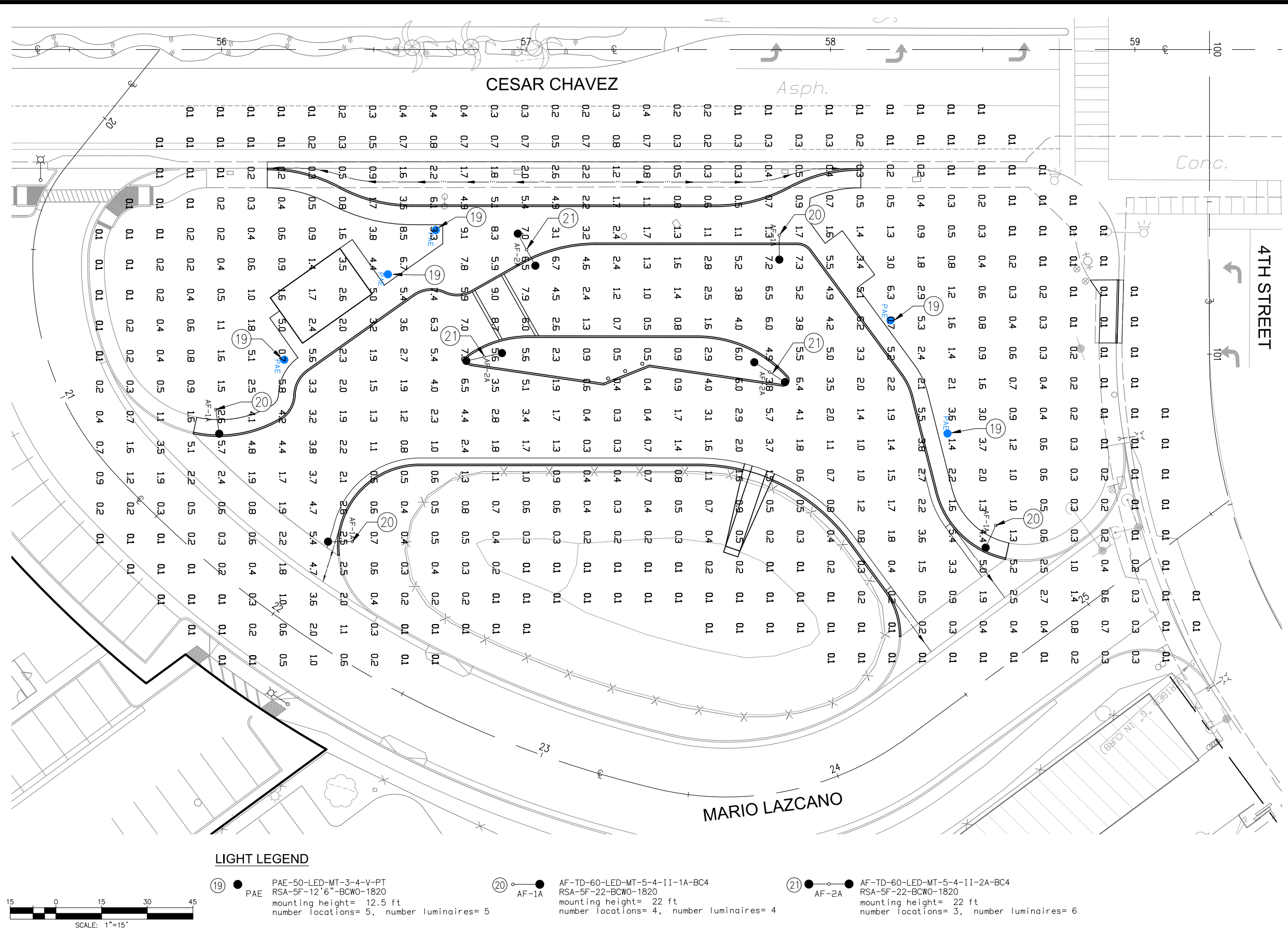
SUNLINE TRANSIT

COACHELLA TRANSIT HUB

STANDARD DETAILS

W.O. 77100149

CITY FILE NO.



- CONSTRUCTION NOTES**
- ①9 F&I PARKING LOT LIGHT, POST TYPE PER DETAIL ON SHEET 9
 - ②0 F&I PARKING LOT LIGHT, SINGLE HEAD MAST, PER DETAIL ON SHEET 9
 - ②1 F&I PARKING LOT LIGHT, DUAL HEAD MAST, PER DETAIL ON SHEET 9

PACIFIC LIGHTING & STANDARD
 2831 LOS FLORES BLVD.
 LYNWOOD, CA 90262
 (310)603-9344

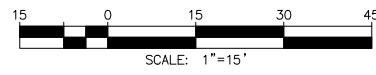
LIGHT READINGS ARE ESTIMATED LEVELS IN PRIME CONDITIONS AND SHOULD NOT BE TAKEN AS EXACT READINGS. LIGHT READINGS ARE 10 FT. APART

Target Point Set
 625 points at z=0, sp 10ft by 10ft
 HORIZONTAL FOOTCANDLES

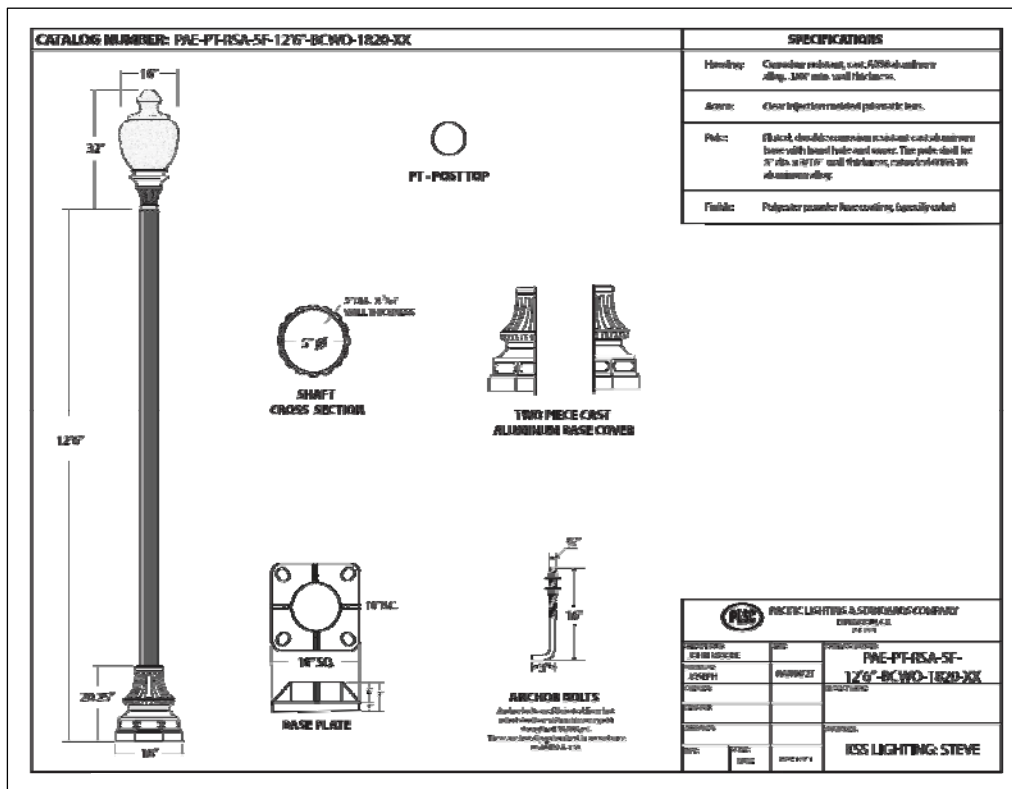
Average	1.5
Maximum	9.9
Minimum	0.1
Avg: Min	14.91
Max: Min	99.00
Coef Var	1.28
UnifGrad	9.00

LIGHT LEGEND

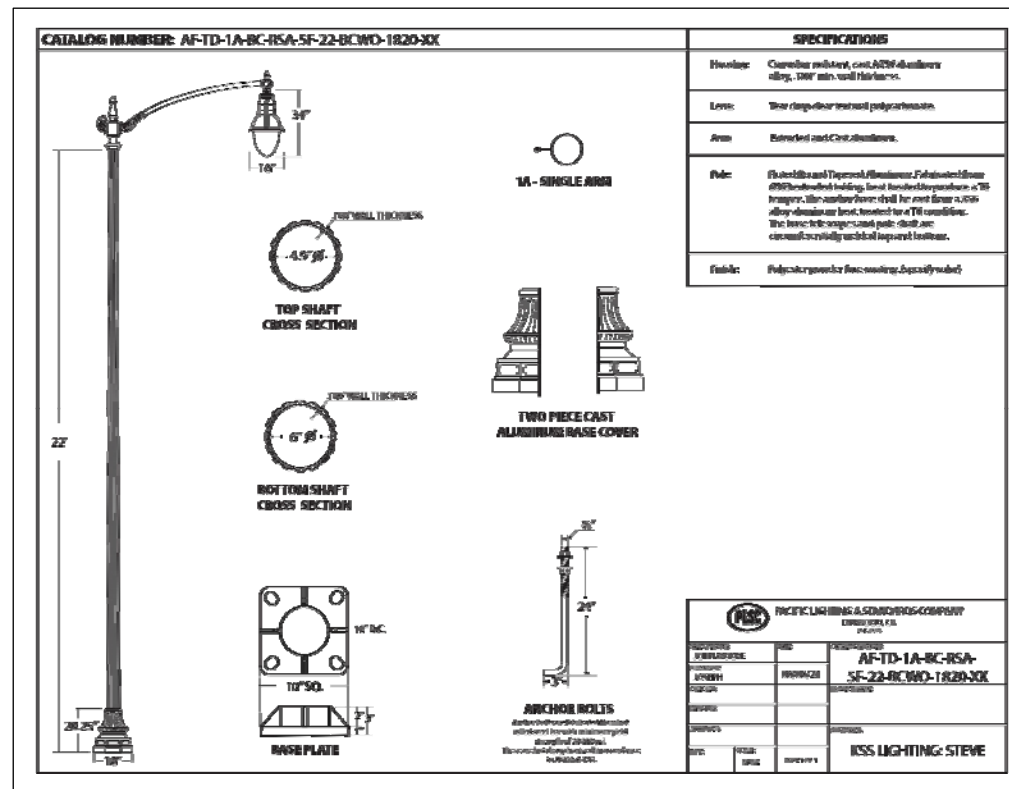
- ①9 ● PAE PAE-50-LED-MT-3-4-V-PT
 RSA-5F-12'6"-BCWO-1820
 mounting height= 12.5 ft
 number locations= 5, number luminaires= 5
- ②0 ● AF-1A AF-TD-60-LED-MT-5-4-II-1A-BC4
 RSA-5F-22-BCWO-1820
 mounting height= 22 ft
 number locations= 4, number luminaires= 4
- ②1 ● AF-2A AF-TD-60-LED-MT-5-4-II-2A-BC4
 RSA-5F-22-BCWO-1820
 mounting height= 22 ft
 number locations= 3, number luminaires= 6



<p>NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.</p> <p>THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER CITY APPROVAL OR DURING CONSTRUCTION THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISIONS TO THE PLANS FOR APPROVAL BY THE CITY.</p>	<p>TOLL FREE 1-800-221-2000 A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT</p>	<p>BENCHMARK: CITY OF COACHELLA 1007 ELEVATION: 437.448 DATUM: NAD83 + 500 FEET DESCRIPTION: 3 1/2" BRASS DISK SET IN TOP OF THE NORTHWEST CORNER OF A 1.5 FOOT HIGH PLASTER WALL AROUND THE "CITY OF COACHELLA" MONUMENT SIGN, LOCATED 25 FEET SOUTHWEST FROM THE BEGINNING OF THE SOUTH CURB RETURN AND 35 FEET SOUTH WEST OF SOUTHERLY CURB RETURN LOCATED AT THE INTERSECTION OF GRAPESFRUIT BLVD. (HIGHWAY 111) AND CESAR CHAVEZ (HARRISON STREET).</p> <p>BASES OF BEARINGS: THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM (2011), ZONE 14, AS DETERMINED LOCALLY BY THE LINE BETWEEN CONTINUOUS OPERATING GPS BASE STATION STATIONS P491 AND P1N1, (EPOCH 2017.50) COORDINATES), AS COMPUTED AND PUBLISHED BY SCRIPPS ORBIT AND PERMANENT ARRAY CENTER (SOPAC) AND THE CALIFORNIA SPATIAL REFERENCE CENTER (CSRC), BEING: NORTH 78° 59' 35.44" WEST.</p>	<p>REVISIONS</p> <table border="1"> <tr><th>NO.</th><th>DATE</th><th>DESCRIPTION</th></tr> <tr><td> </td><td> </td><td> </td></tr> </table>	NO.	DATE	DESCRIPTION				<p>APPROVED FOR CONSTRUCTION:</p> <p>CITY OF COACHELLA</p> <p>ANDREW R. SIMMONS R.C.E. 72968 DATE: EXP. 09-30-2022</p>	<p>RECOMMENDED FOR APPROVAL:</p> <p>CITY OF COACHELLA</p> <p>NICEL OWLSLEY R.C.E. 39877 DATE: EXP. 12-31-2021</p>		<p>8413 E BASELINE RD SUITE 106 MESA, AZ 85209 480.757.0997</p> <p>PREPARED UNDER THE DIRECT SUPERVISION OF:</p> <p>BRADLEY DOWNS, R.C.E. 68828 DATE:</p>	<p>CITY OF COACHELLA</p> <p>SUNLINE TRANSIT COACHELLA TRANSIT HUB SITE LIGHTING PHOTOMETRICS</p> <p>W.O. 77100149 CITY FILE NO.</p>	<p>SHEET NO. 8 OF 9 SHEETS</p>
			NO.	DATE	DESCRIPTION										
<p>DATE: 07/08/2021</p>															



19 POST LIGHT POLE DETAIL
NOT TO SCALE



20 SINGLE HEAD MAST ARM POLE DETAIL
NOT TO SCALE

NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.

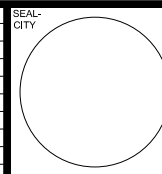
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BY	DATE	REVISIONS	APP'D	DATE	SEAL-CITY



RECOMMENDED FOR APPROVAL

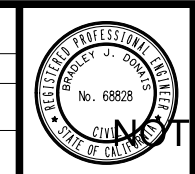
DATE: _____ EXP. 12-31-2021

CITY OF COACHELLA

APPROVED FOR CONSTRUCTION

DATE: _____ EXP. 05-30-2022

ANDREW R. SIMONS, R.C.E. 72868



QUALITY, DEDICATION & EXPERIENCE

HEPTAGON SEVEN

8413 E BASELINE RD SUITE 106 MESA, AZ 85209 480.757.0997

PREPARED UNDER THE DIRECT SUPERVISION OF:

BRADLEY DONAHY, R.C.E. 68828 DATE: _____

CITY OF COACHELLA
 SUNLINE TRANSIT
 COACHELLA TRANSIT HUB
 SITE LIGHTING DETAILS

FOR THE CITY OF COACHELLA

W.O. 77100149 CITY FILE NO.