



Ann M. Stillman
Director

County Government Center
555 County Center, 5th Floor
Redwood City, CA 94063
650-363-4100 T
650-361-8220 F
www.smcgov.org

February 13, 2023

COUNTY OF SAN MATEO

**SAN CARLOS AIRPORT RUNWAY 12-30 & CONNECTOR TAXIWAY REHABILITATION
PROJECT**

**COUNTY PROJECT NO. ASL03
PROJECT FILE NO. E5077**

ADDENDUM NO. 1

TO ALL PLAN HOLDERS:

The following **Addendum No. 1** to the above referenced project, dated January 27, 2023, shall be included in the project plans and specifications.

1. The approximate depth of the existing utility tunnel has been added on plan sheet CD101:

Replace plan sheet CD101 with plan sheet CD101 (rev1).

2. The bid opening date has been rescheduled to Thursday, March 2, 2023, at 2:00 P.M. Pages 1 and 2 of the NC (Notice to Contractor) Section shall be replaced in the Project Specifications:

Replace pages 1 and 2 of the NC Section with page 1 (rev) and page 2 (rev).

3. The Engineer's Estimate and bid items been changed. Pages 4 and 6 of the NC (Notice to Contractor) Section shall be replaced in the Project Specifications:

Replace pages 4 and 6 of the NC Section with page 4 (rev) and page 6 (rev).



To All Plan Holders

San Carlos Airport Runway 12-30 & Connector Taxiway Rehabilitation Project

Addendum No. 1

February 13, 2023

Page 2

4. The Proposal bid items have been changed. Pages 4 and 5 of the PR (Proposal) Section shall be replaced in the Project Specifications:

Replace pages 4 and 5 of the PR Section with page 4 (rev) and page 5 (rev).

5. The removal and payment of existing catch basin have been clarified in Section P-101 of the FAA Technical Specifications. Page P-101-6 of the FAA Technical Specifications shall be replaced in the Project Specifications:

Replace page P-101-6 of the FAA Technical Specifications with page P-101-6 (rev).

6. The grade adjustment of existing catch basin has been clarified in Section D-751 of the FAA Technical Specifications. Page D751-5 of the FAA Technical Specifications shall be replaced in the Project Specifications:

Replace page D-751-5 of the FAA Technical Specifications with page D-751-5 (rev).

7. Supplemental topographic survey dated 2/14/2020 by R.E.Y. Engineers, Inc. for the runway and connector taxiways has been included:

Supplemental topographic survey (9 sheets total) dated 2/14/2020 is added.

8. Infield topographic survey dated 10/17/2022 by R.E.Y. Engineers, Inc. has been included:

Infield topographic survey (6 sheets total) dated 2/14/2020 is added.

Please sign and return the attached "Receipt of Addendum No. 1" form. The "Receipt of Addendum No. 1" form MUST be received in this office no later than 2:00 PM, Wednesday, March 1, 2023 or the bid will NOT be considered. The Receipt of Addendum can be emailed to Krzysztof Lisaj attention email at klisaj@smcgov.org, with carbon copy to wng@smcgov.org and azhang@smcgov.org.

To All Plan Holders

San Carlos Airport Runway 12-30 & Connector Taxiway Rehabilitation Project

Addendum No. 1

February 13, 2023

Page 3

All plan holders should check the project webpage for the latest updates on Request for Information. The project webpage address is: <https://www.smcgov.org/publicworks/san-carlos-airport-runway-rehab-project>

If you have any questions or require additional information, please contact Alex Zhang, Wency Ng, or Krzysztof Lisaj of our office at (650) 363-4100. They can also be reached by e-mail at:

azhang@smcgov.org

wng@smcgov.org

klisaj@smcgov.org

Very truly yours,



Ann M. Stillman

Director of Public Works

AMS:KL:WN:AZ

F:\Users\design\C3D\E5077000_San Carlos Airport Runway\Bidding\Addendum\Addendum No. 1\Addendum No.1.docx

Encl.- "Receipt of Addendum No. 1" Form

Revised Plan Sheet CD101 (rev1)

Revised Page 1 (rev), 2 (rev), 4 (rev), and 6 (rev) of the NC Section

Revised Page 4 (rev) and 5 (rev) of the PR Section

Revised Page P-101-6 (rev) of the FAA Technical Specifications

Revised Page D-751-5 (rev) of the FAA Technical Specifications

Supplemental topographic survey (9 sheets) dated 2/14/2020

Infield topographic survey (6 sheets) dated 10/17/2022

cc: Gretchen Kelly, Acting Deputy Director of Public Works, Administration
Michael Byrne, Acting Airport Manager
Krzysztof Lisaj, Principal Civil Engineer, Engineering and Construction
Wency Ng, Senior Civil Engineer, Project Development and Design
Alex Zhang, Associate Civil Engineer, Project Development and Design



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February 13, 2023

COUNTY OF SAN MATEO

SAN CARLOS AIRPORT RUNWAY 12-30 & CONNECTOR TAXIWAY REHABILITATION PROJECT

**COUNTY PROJECT NO. ASL03
PROJECT FILE NO. E5077**

RECEIPT OF ADDENDUM NO. 1

I, _____, an
authorized representative for _____,
have received **Addendum No. 1** for the San Carlos Airport Runway 12-30 & Connector
Taxiway Rehabilitation Project from an authorized representative of the County of San
Mateo, which is to be included in the Specifications for the above referenced project.

This form must be signed and received in the offices of the County of San Mateo,
Department of Public Works ***no later than 2:00 P.M., Wednesday, March 1, 2023.***

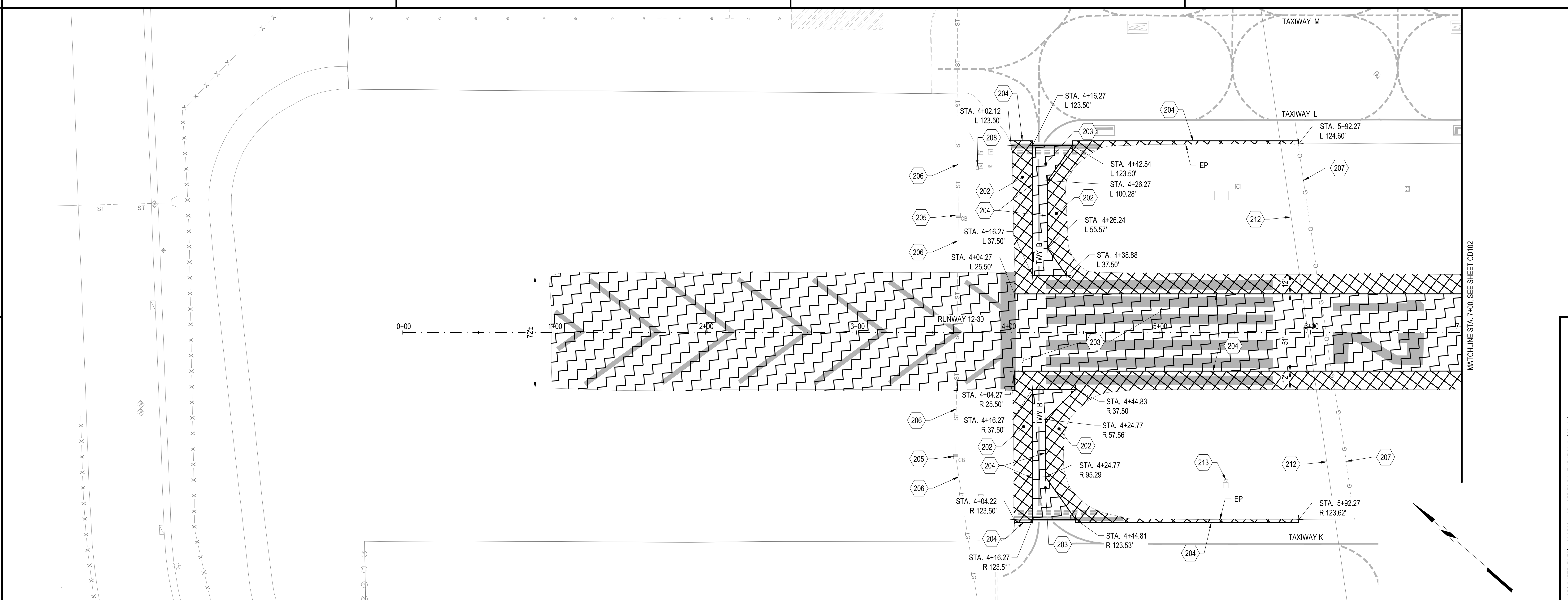
“Contractor”

(Print)

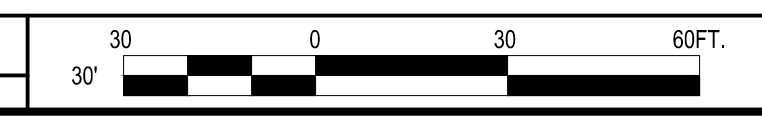
(Signature)

(Date)





B1 DEMOLITION PLAN - PAVEMENT
SCALE: 1" = 30'



- A1 KEYED NOTES**
SCALE: NOT TO SCALE
- 202. REMOVE ASPHALT PAVEMENT STRUCTURAL SECTION.
 - 203. PREPARE PAVEMENT SURFACE FOR SEAL COAT.
 - 204. SAW CUT PAVEMENT TO PROVIDE A CLEAN VERTICAL FACE (TYP.).
 - 205. STORM DRAIN CATCH BASIN TO REMAIN, PROTECT IN PLACE.
 - 206. STORM DRAIN PIPE TO REMAIN, PROTECT IN PLACE.
 - 207. NATURAL GAS LINE TO REMAIN, PROTECT IN PLACE.
 - 208. TELECOMMUNICATIONS STRUCTURE TO REMAIN, PROTECT IN PLACE.
 - 212. UTILITY TUNNEL TO REMAIN, PROTECT IN PLACE. TUNNEL ACCESS MANHOLE LOCATED WITHIN THE TRANSIENT PARKING APRON AREA AT APPROXIMATE STA. 5+47.24, L 351.67'. A DEPTH OF 28-INCHES WAS MEASURED FROM THE TOP OF THE TUNNELS INTERIOR WALL TO THE PAVEMENT SURFACE AT THE ACCESS MANHOLE.
 - 213. EXISTING SOLAR POWER CAMERA SYSTEM ON A PORTABLE BASE TO BE CAREFULLY MOVED OUT OF THE WAY TO AN AIRPORT DESIGNATED LOCATION DURING CONSTRUCTION. ONCE FINAL GRADING HAS BEEN COMPLETED, CONTRACTOR TO CAREFULLY PLACE IT BACK TO ITS ORIGINAL LOCATION.

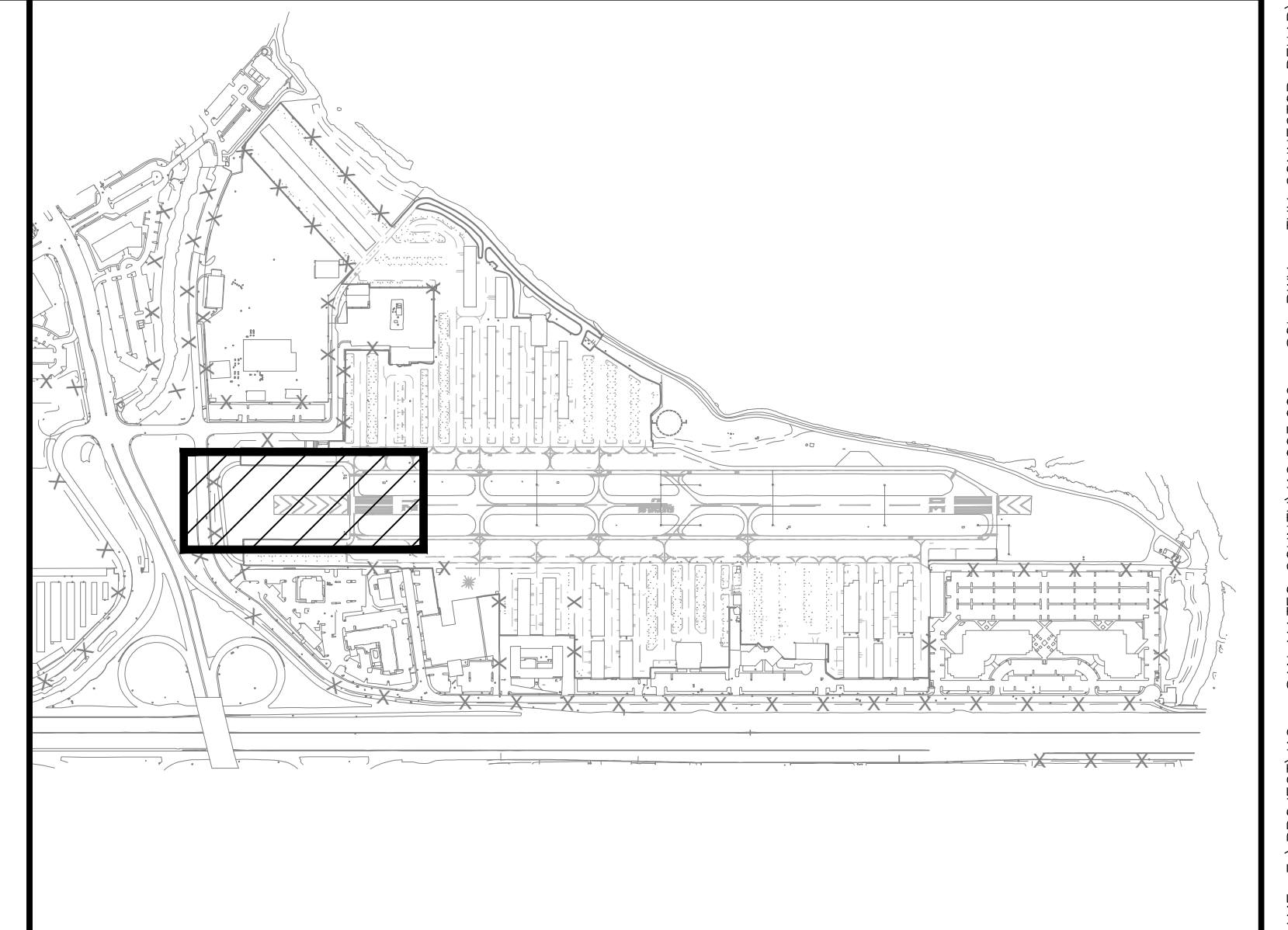
A2 LEGEND
SCALE: NOT TO SCALE

	REMOVE EXISTING PAVEMENT STRUCTURAL SECTION
	PREPARE PAVEMENT SURFACE FOR SEAL COAT

A3 SHEET NOTES
SCALE: NOT TO SCALE

NOTES:

- SEE SHEETS ED101 THROUGH ED 105 FOR ELECTRICAL DEMOLITION INFORMATION.
- SEE SHEETS XD101 THROUGH XD104 FOR PAVEMENT MARKING DEMOLITION AND RUBBER REMOVAL INFORMATION.



APPROVED: _____
DATE: 1/27/2023

ANN MADER STILLMAN
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

C&S Engineers, Inc.
7801 Folsom Boulevard, Suite 210
Sacramento, California 95826
Phone: 916-364-1470
www.cscos.com

APPROVED DATE: 01-27-2023

TEDDY D. RAMIL
C&S ENGINEERS, INC.
R.C.E. # C 063590 EXPIRES 09-30-2024

COUNTY OF SAN MATEO PUBLIC WORKS

DESIGNED BY: EA (CAS)	DEMOLITION PLAN - PAVEMENT		SCALE: 1" = 30'
CHECKED BY: D.M. (CAS)	RUNWAY 12-30 AND CONNECTOR TAXIWAYS REHABILITATION		DATE: JANUARY 2023
DRAWN BY: EA (CAS)	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS		FILE NO.: 15077
REVISION	DATE	SAN MATEO COUNTY	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

CD101(REV 1)
SHEET 8 OF 53

FILENAME: F:\PROJECT\116 - SAN MATEO COUNTY\116.003.009 - SOL RWY - TRY CONNECTOR REHAB DESIGN (CADD)\SHEET FILES\16003009_CD-SERIES PAVEMENT.DWG (CD101)

**COUNTY OF SAN MATEO
STATE OF CALIFORNIA**

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN, that

Sealed bids will be received at the office of the County Executive Officer/Clerk of the Board of Supervisors, Hall of Justice and Records at 400 County Center, Redwood City, California, until the hour of

2:00 p.m., Thursday, March 2, 2023~~2:30 p.m., Thursday, February 23, 2023~~

which all bids will then be transmitted to the County Executive's Office in the Hall of Justice and Records, where the bids will be publicly opened and read aloud for the following project in accordance with the specifications therefore and to which special reference is made as follows:

**SAN CARLOS AIRPORT
RUNWAY 12-30 & CONNECTOR TAXIWAYS REHABILITATION PROJECT**

**COUNTY PROJECT NO. ASL03
PROJECT FILE NO. E5077**

**FEDERAL AVIATION ADMINISTRATION (FAA)
AIP PROJECT**

Bids are required for the entire work described herein.

The Contractor's attention is directed to the forms included in, and required to be completed and submitted with, the Proposal.

Bidders are further advised of the following:

1. **Contractor should be placed on a Plan Holders List for bidding. To be placed on the Plan Holders List, the Contractor shall either:**
 - a. **Purchase Plans and Specifications, including forms of proposal and contract, from the County of San Mateo Department of Public Works. When purchasing by phone (650-363-4100) or email (azhang@smcgov.org) and wng@smcgov.org, please send check payable to "County of San Mateo" to 555 County Center, 5th Floor, Redwood City, CA 94063; OR**

- b. Complete and sign the following Plan Holder’s Affidavit by using the link below and you will receive a separate link for downloading an electronic copy of the Plans and Specifications. The contractor is advised that the table should be received by the County no later than three (3) working days prior to the bid opening date.

<https://www.smcgov.org/publicworks/SQL-Rehab-PlanHoldersAffidavitForm>

- c. If plans and specifications are obtained through a source other than those outlined in 1a and 1b above, complete and sign the following Plan Holder’s Affidavit and return to the County by either PDF via email via email to azhang@smcgov.org and wng@smcgov.org or by fax at (650) 361-8220. The Contractor is advised that the table should be received by the County no later than three (3) working days prior to the bid opening date.

Plan Holder’s Affidavit	
Project Title	<u>Runway 12-30 & Connector Taxiways Rehabilitation</u>
Project No.	<u>ASL03</u>
Project Engineer:	<u>Alex Zhang</u>
Project Manager:	<u>Wency Ng</u>
Bid Open Date and Time:	2:30 <u>2:00</u> p.m., Thursday, February 23 <u>March 2</u> , 2023
Company Name:	_____
Mailing Address:	_____
Phone Number:	_____
Fax Number:	_____
E-mail Address:	_____
(Name and Title of Authorized Representative of Bidder)	
(Signature of Authorized Representative of Bidder)	

ENGINEER'S ESTIMATE
SAN CARLOS AIRPORT
RUNWAY 12-30 & CONNECTOR TAXIWAYS REHABILITATION PROJECT
COUNTY PROJECT NO. ASL03
PROJECT FILE NO. E5077
FEDERAL AVIATION ADMINISTRATION (FAA)
AIP PROJECT

Item No.	Section No.	Estimated Quantity	Unit of Measure	Item Description
1	P-101	13,600	LF	Filling of Cracks 1/4" to 1" Wide
2	P-101	56,130	SF	Removal of Rubber
3	P-101	2,880	SY	Micro-Mill Existing Pavement Bump (0.2" Depth)
4	P-101	11,100	SY	Remove Existing Asphalt Concrete Structural Section (34" Depth)
4A	P-101	2	EA	Removal of Structure
5	P-152	21,580	CY	Unclassified Excavation
6	P-153	12,170	CY	Control Low Strength Material (CLSM) - Rwy/Taxiway Edge (22" Thick)
7	P-153	7,570	CY	Control Low Strength Material (CLSM) - RSA Soil Stabilization (Variable Thickness)
8	P-209	13,870	SY	Crushed Aggregate Base Course - Rwy/Taxiway Edge (8" Thick)
9	P-209	23,060	SY	Crushed Aggregate Base Course - RSA Soil Stabilization (11" Thick)
10	P-403	3,570	TON	Asphalt Surface Course (4" Runway & Connectors)
11	P-603	1,900	GAL	Emulsified Asphalt Tack Coat
12	P-608	23,160	SY	Asphalt Surface Treatment
13	P-615	73,800	SY	Tensor Triax TX-160 Heavy Duty Geogrid
14	P-620	48,200	SF	Removal of Pavement Markings
15	P-620	6,960	SF	Interim Runway Markings
16	P-620	17,800	SF	Paintstriping (White, Reflectorized)
17	P-620	9,040	SF	Paintstriping (Yellow, Reflectorized)
18	D-701	92	LF	12-Inch RCP, Class IV
19	D-751	3	EA	Catch Basin
19A	D-751	1	EA	Adjust Catch Basin to Grade

Continued on next page

Item No.	Section No.	Estimated Quantity	Unit of Measure	Item Description
42	L-125	189	EA	Removal of Existing Light Fixture and Appurtenances, All Types
43	L-125	176	EA	Removal of Existing Light Base, All Types
44	L-125	26	EA	Airfield Guidance Sign, LED, 2 Module
45	L-125	1	EA	Airfield Guidance Sign, LED, 3 Module
46	L-125	14	EA	Airfield Guidance Sign, LED, 4 Module
47	L-125	39	EA	Removal of Existing Airfield Guidance Sign and Foundation
48	L-125	1	LS	Spare Light and Sign Parts (Not To Exceed \$10,000)
49	SP-5	36,900	SY	Reinforcement Mirafi 600x Fabric
50	C-102	1	LS	Compliance with Pollution, Erosion, and Siltation Control
51	C-106	1	LS	Safety, Security and Maintenance of Traffic
52	C-105	1	LS	Mobilization (6% Maximum)

9,371,000.00

Engineer's Estimate of Costs: \$ 9,359,000.00

(F) Final Pay Quantities - See Section 9-1.02C, "Final Pay Item Quantities," of the Standard Specifications.

(R) Revocable Item. See Special Provision section for additional information.

(Note: Gaps in section numbering, above, indicate the Section is blank or does not apply.)

The foregoing quantities are approximate only, being given as a basis for the comparison of bids, and the County of San Mateo does not, expressly or by implication, agree that the actual amount of work will correspond herewith, but reserves the right to increase or decrease the amount of any class or portion of the work, or to omit any portion of the work, as may be deemed necessary or expedient by the Engineer.

Payment to the Contractor for materials furnished and work completed shall be made by the County in accordance with Section 9 of the "County Special Provisions" portion of these Contract Documents. Pursuant to Section 22300 of the Public Contract Code, Contractor may, upon his request and at Contractor's expense, substitute equivalent securities for any moneys retained from such payment for the fulfillment of the Contract.

PROPOSAL TO THE COUNTY OF SAN MATEO
SAN CARLOS AIRPORT
RUNWAY 12-30 & CONNECTOR TAXIWAYS REHABILITATION PROJECT

COUNTY PROJECT NO. ASL03
PROJECT FILE NO. E5077

FEDERAL AVIATION ADMINISTRATION (FAA)
AIP PROJECT

NOTICE TO CONTRACTORS:

THE FOLLOWING FORMS MUST BE COMPLETED IN FULL BY AN OFFICIAL OF THE COMPANY AND SUBMITTED WITH THE BID:

- 1. Contractor's DBE Plan**
- 2. DBE Letter of Intent Form**
- 3. DBE Good Faith Efforts Documentation**

FAILURE TO COMPLETE AND SUBMIT THE REQUIRED FORMS SHALL BE CONSIDERED AS REASON FOR DISQUALIFICATION FROM BIDDING.

BIDDERS CANNOT BE WITHDRAW THEIR BIDS FOR A PERIOD OF 120 DAYS AFTER BID OPENING.

Item No.	Section No.	Estimated Quantity	Unit of Measure	Item Description	Item Price (In Figures)	Total (In Figures)
1	P-101	13,600	LF	Filling of Cracks 1/4" to 1" Wide	\$	\$
2	P-101	56,130	SF	Removal of Rubber	\$	\$
3	P-101	2,880	SY	Micro-Mill Existing Pavement Bump (0.2" Depth)	\$	\$
4	P-101	11,100	SY	Remove Existing Asphalt Concrete Structural Section (34" Depth)	\$	\$
4A	P-101	2	EA	Removal of Structure	\$	\$
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6	P-153	12,170	CY	Control Low Strength Material (CLSM) - Rwy/Taxiway Edge (22" Thick)	\$	\$
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8	P-209	13,870	SY	Crushed Aggregate Base Course - Rwy/Taxiway Edge (8" Thick)	\$	\$

Continued on next page

Item No.	Section No.	Estimated Quantity	Unit of Measure	Item Description	Item Price (In Figures)	Total (In Figures)
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17	P-620	9,040	SF	Paintstriping (Yellow, Reflectorized)	\$	\$
18	D-701	92	LF	12-Inch RCP, Class IV	\$	\$
19	D-751	3	EA	Catch Basin	\$	\$
19A	D-751	1	EA	Adjust Catch Basin to Grade	\$	\$
20	L-108	22,400	LF	No. 8 AWG, 5KV, L-824, Type C Cable, Installed In Trench, Duct Bank or Conduit	\$	\$
21	L-108	14,650	LF	No. 6 AWG, Solid, Bare Copper Counterpoise Wire Installed in Trench	\$	\$
22	L-109	1	LS	Airport Electric Building Equipment	\$	\$
23	L-110	3,170	LF	Non-Encased Electrical Conduit, 1 Way - 2 Inch PVC Conduit, in Turf	\$	\$
24	L-110	425	LF	Concrete Encased Electrical Conduit, 1 Way - 2 Inch PVC Conduit, in Pavement	\$	\$

Continued on next page

101-4.6 Removal of Pipe, Structures and other Buried Items. The unit of measurement for removal of structures and other buried items will be per each. The work covered by this section shall be made at the contract unit price for each completed and accepted item. This price shall be full compensation for all labor, equipment, tools, and incidentals necessary to complete this item in accordance with paragraph 101-3.9.4.

BASIS OF PAYMENT

101-5.1 Payment. Payment shall be made at contract unit price for the unit of measurement as specified above. This price shall be full compensation for furnishing all materials and for all preparation, hauling, and placing of the material and for all labor, equipment, tools, and incidentals necessary to complete this item.

Item P 101-5.1	Filling of Cracks 1/4" to 1" Wide – per linear foot
Item P 101-5.2	Removal of Rubber – per square foot
Item P-101-5.3	Micro-mill Existing Pavement Bump (0.2" Depth) - per square yard
Item P-101-5.4	Remove Existing Asphalt Concrete Structural Section (34" Depth) – per square yard
<u>Item P-101-5.5</u>	<u>Removal of Structure – per each</u>

REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

Advisory Circulars (AC)

AC 150/5380-6 Guidelines and Procedures for Maintenance of Airport Pavements.

ASTM International (ASTM)

ASTM D6690 Standard Specification for Joint and Crack Sealants, Hot Applied, for Concrete and Asphalt Pavements

END OF ITEM P-101

751-3.12 Modification of existing structures. The Contractor shall modify structures at locations designated on the plans to the new elevations shown. The Contractor shall be responsible for determining the exact height adjustment required to raise the top of each structure to the new elevations. The existing top elevation of each structure to be adjusted shall be determined in the field and subtracted/added from the proposed top elevation. Extensions provided for structure modification shall meet the strength requirements of Section 2.7 above. Modification of existing structures shall be performed in accordance with details shown on the plans.

METHOD OF MEASUREMENT

751-4.1 Manholes, catch basins, inlets, inspection holes, drywells, and modification of structures shall be measured by each unit completed and accepted including all required excavation, dewatering, sheeting & bracing, backfill, restoration, and connections.

751-4.2 Catch Basins actually adjusted to finish grade by the Contractor and accepted as complying with the Plans and Specifications will be measured per each unit completed as determined by the Engineer. The quantity of structures to be adjusted to grade shall be paid per each.

BASIS OF PAYMENT

751-5.1 The accepted quantities of manholes, catch basins, inlets, inspection holes, drywells, and modification of structures will be paid for at the contract unit price per each in place when completed. This price shall be full compensation for furnishing all materials and for all preparation, excavation, backfilling and placing of the materials; furnishing and installation of such specials and connections to pipes and other structures as may be required to complete the item as shown on the plans; and for all labor equipment, tools and incidentals necessary to complete the structure.

Payment will be made under:

Item D-751-5.1-1	Catch Basin	_____	- per each
<u>Item D-751-5.1-2</u>	<u>Adjust catch basin to grade</u>		<u>- per each</u>

REFERENCES

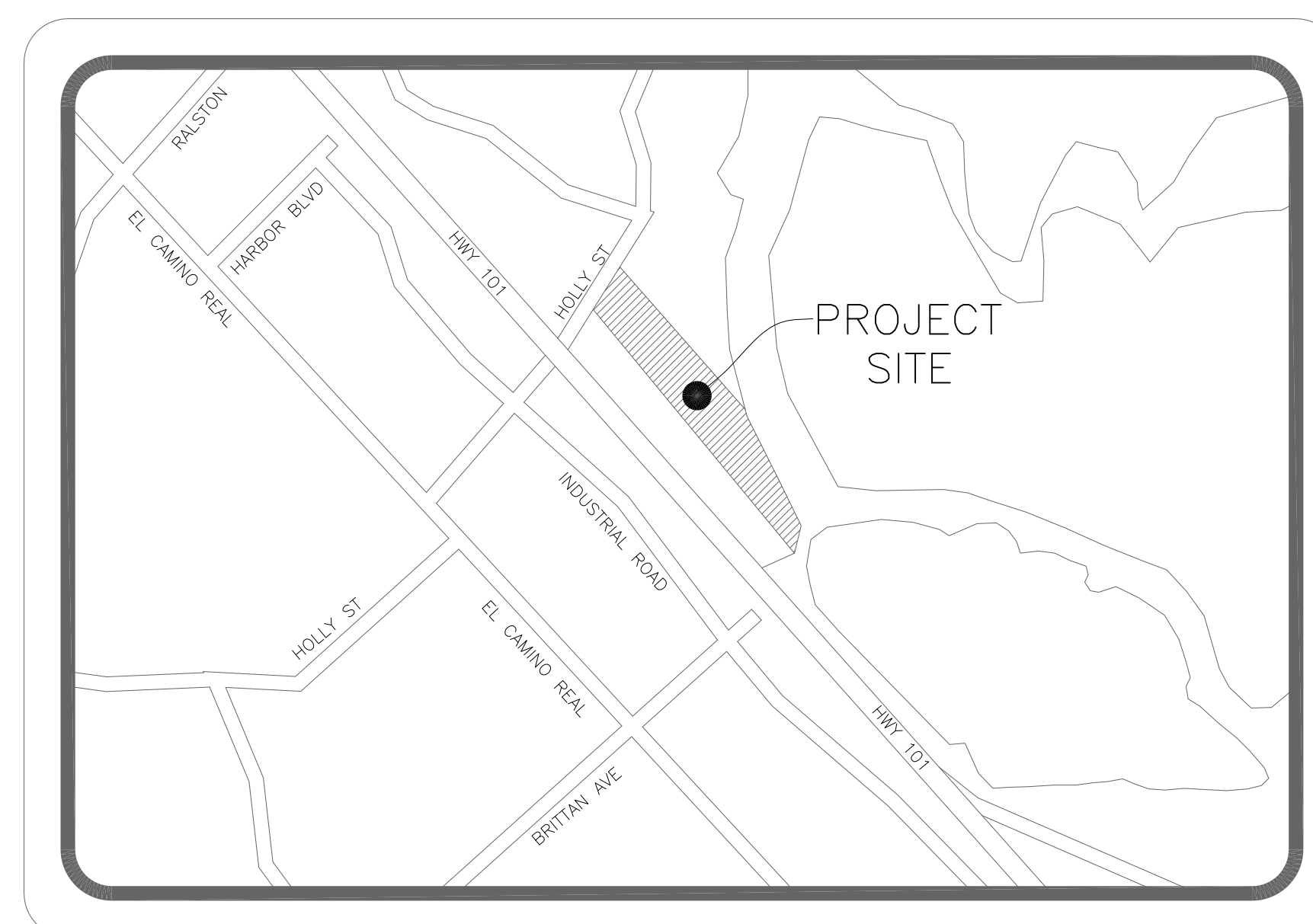
The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

ASTM International (ASTM)

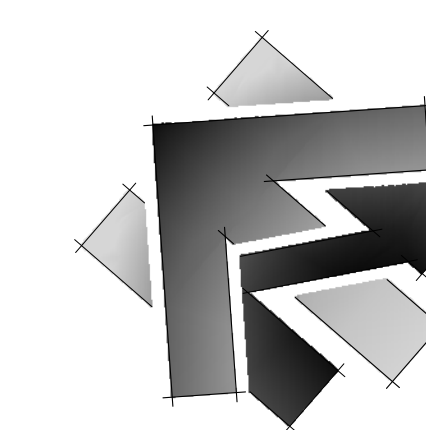
ASTM A27	Standard Specification for Steel Castings, Carbon, for General Application
ASTM A47	Standard Specification for Ferritic Malleable Iron Castings
ASTM A48	Standard Specification for Gray Iron Castings
ASTM A123	Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products
ASTM A283	Standard Specification for Low and Intermediate Tensile Strength Carbon Steel Plates
ASTM A536	Standard Specification for Ductile Iron Castings
ASTM A897	Standard Specification for Austempered Ductile Iron Castings

LEGEND:

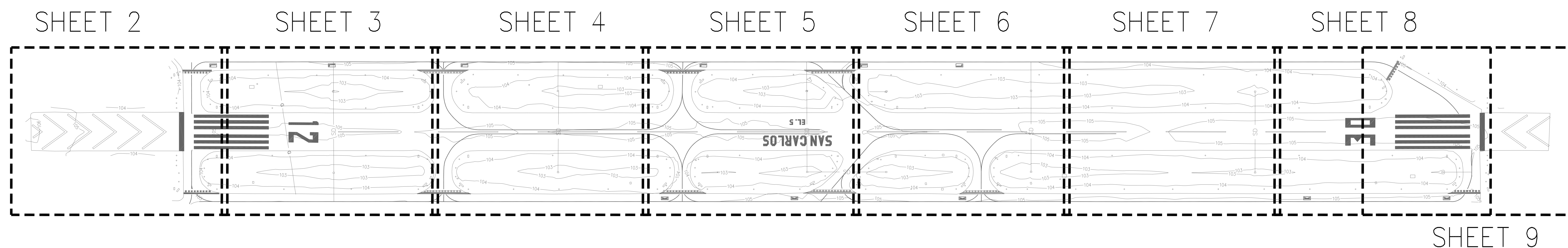
AC	ASPHALT CONCRETE
COM-BX	COMMUNICATION BOX
C-PAD	CONCRETE PAD
D	STORM DRAIN INLET
D-PIPE	DRAIN PIPE
DYL	DOUBLE YELLOW LINE
EB	ELECTRICAL BOX
ELEC WELL	ELECTRICAL WELL
EP	EDGE OF PAVEMENT
EVLT	ELECTRICAL VAULT
FL	FLOWLINE
G	GROUND ELEVATION
GAS-PT-MRK	GAS PAINT MARK
SWL	SOLID WHITE LINE
VLT	VAULT
SD	STORM LINE
G	GAS PAINT MARK
C-PAD/UTILS	UTILITIES ON CONCRETE PAD
⊗	24" CONCRETE BASE WITH 12" LIGHT
B-## X	BOREHOLE



VICINITY MAP
NO SCALE



NOT TO SCALE



BASIS OF COORDINATES:

COORDINATES SHOWN HEREON ARE IN TERMS OF NAD83 (2011), EPOCH 2010.0, CALIFORNIA STATE PLANE COORDINATE ZONE 5, BASED LOCALLY UPON TIES TO STATIONS "CARLPOR1" AND "CARLPOR2 AZ MK" AS PUBLISHED BY NGS.

BASIS OF ELEVATIONS:

ELEVATIONS SHOWN HEREON ARE IN TERMS OF NAVD88, BASED LOCALLY UPON REDWOOD CITY BENCHMARK #1, LOCATED AT THE INTERSECTION OF REDWOOD SHORES PARKWAY AND TWIN DOLPHIN DRIVE, PUBLISHED ELEVATION=6.55, PROJECT ELEVATION =106.55.

CONTROL TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
201	2014911.95	6053319.25	106.45	REY 201 MAG
202	2014374.63	6053898.47	103.64	REY 202 MAG
203	2013815.33	6054377.89	103.25	REY 203 MAG AT END V-GUTTER
204	2013334.10	6054786.90	103.76	REY 204 MAG AT SHACK
205	2012470.30	6054927.21	103.56	REY 205 MAG
206	2013225.10	6054243.58	104.51	REY 206 MAG
207	2013722.08	6053802.57	102.96	REY 207 MAG
208	2014292.77	6053315.91	104.76	REY 208 MAG
500	2012784.51	6054921.00	105.09	REY 500 MAG
501	2013372.34	6054440.15	104.82	REY 501 MAG
502	2013939.10	6053948.56	105.14	REY 502 MAG
503	2014505.24	6053456.76	105.09	REY 503 MAG
504	2014700.30	6053257.69	104.79	REY 504 MAG

SURVEYOR NOTES:

- ALL DISTANCES AND DIMENSIONS ARE SHOWN IN FEET AND DECIMALS THEREOF
- DATE OF FIELD SURVEY: JANUARY 25, 2019
- ADDED 100 FEET TO ELEVATION
- 1 FOOT CONTOUR INTERVAL

SURVEYOR'S STATEMENT

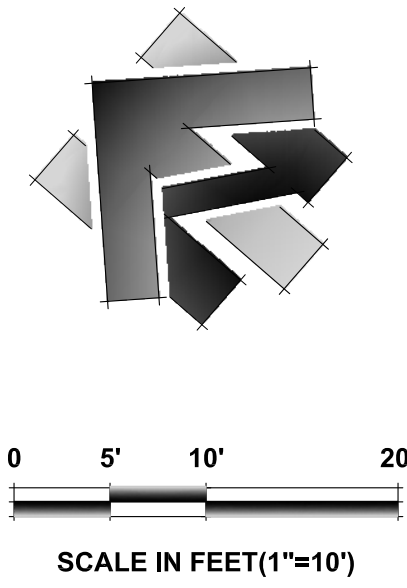
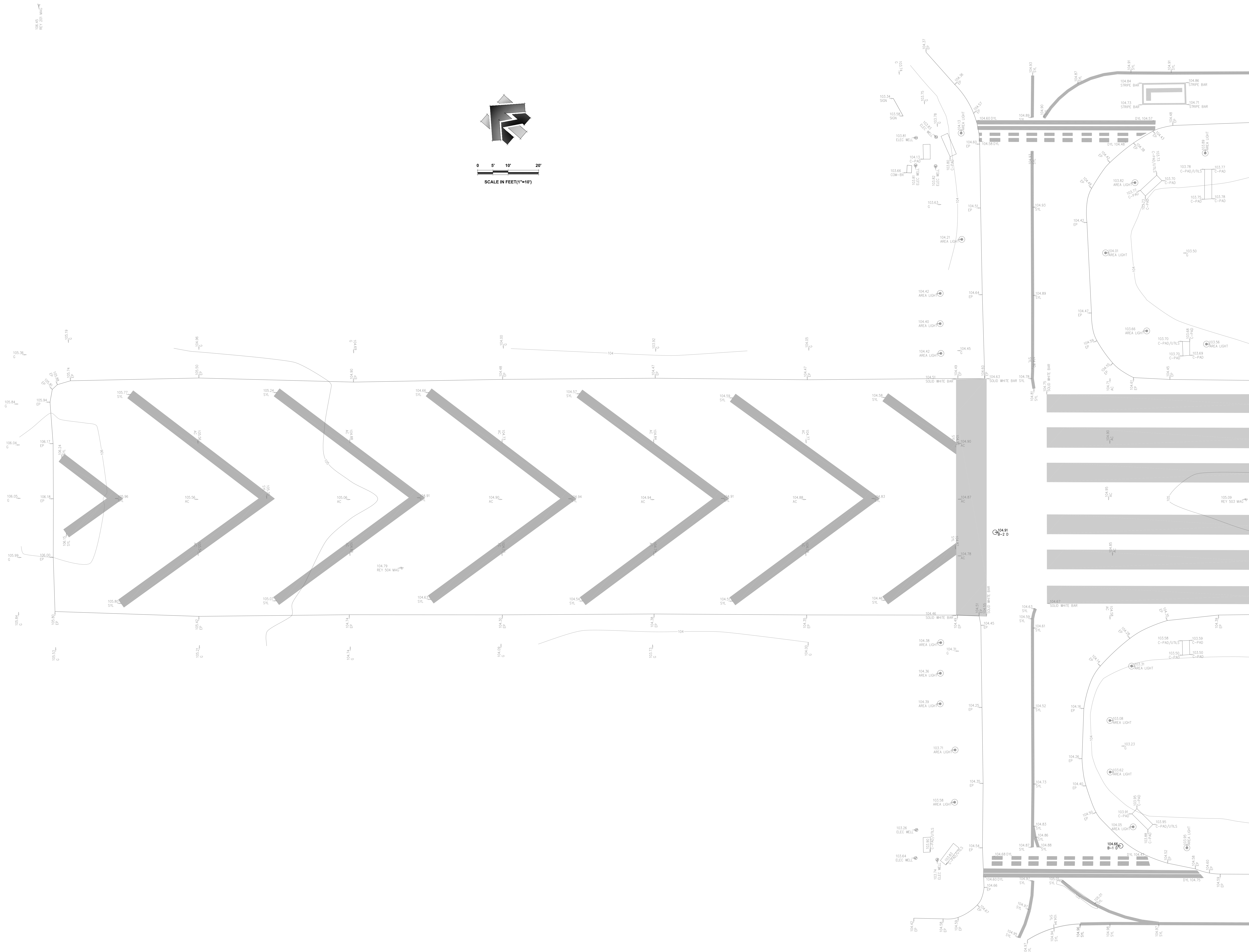
THIS FIELD SURVEY DATA WAS PREPARED UNDER MY DIRECTION IN CONFORMANCE WITH THE PROFESSIONAL LAND SURVEYORS ACT.

Michael A. Spina



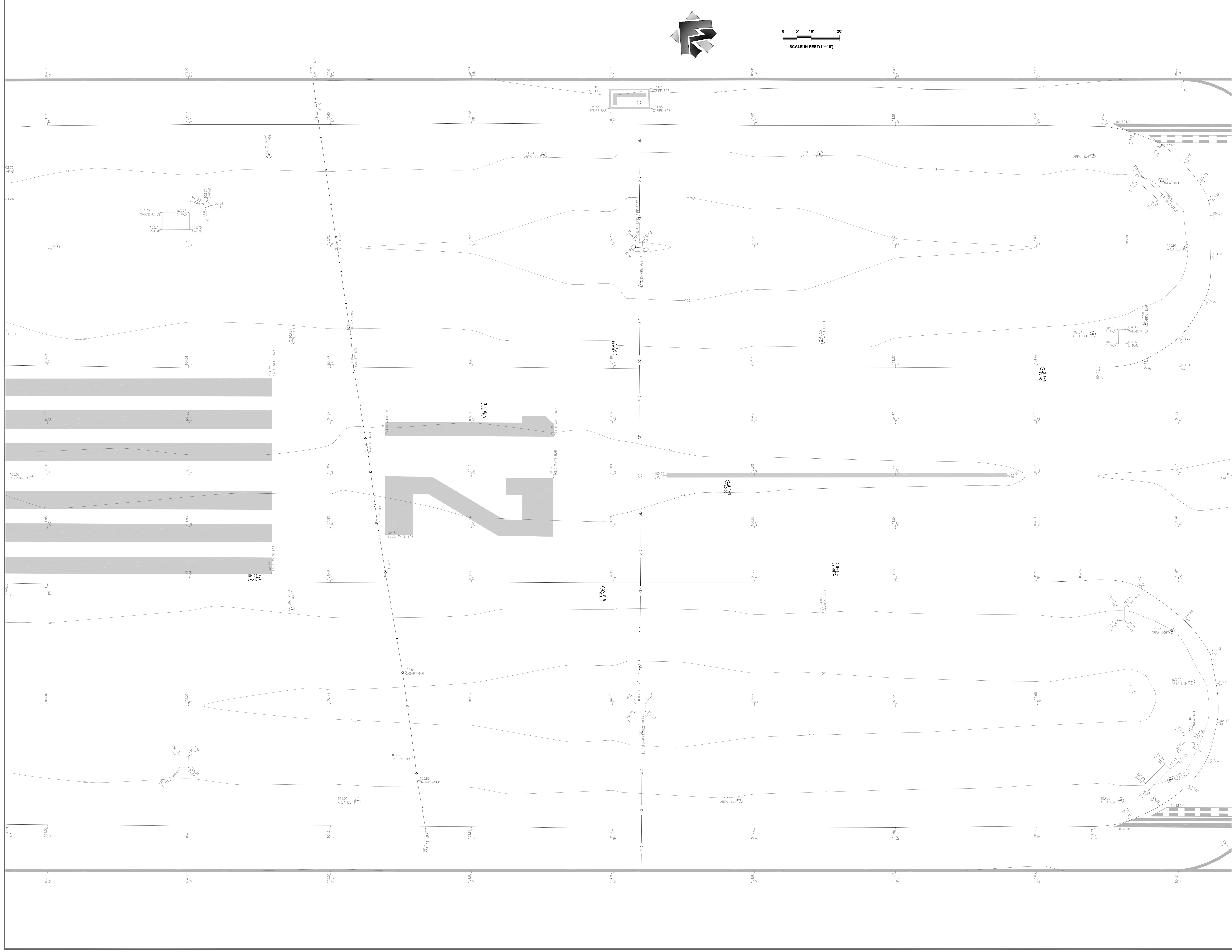
TOPOGRAPHIC SURVEY
SAN CARLOS AIRPORT

DATE: 2/14/2020
SAN CARLOS, CA



100-05
REV 503 MAG

TOPOGRAPHIC SURVEY
 SAN CARLOS AIRPORT



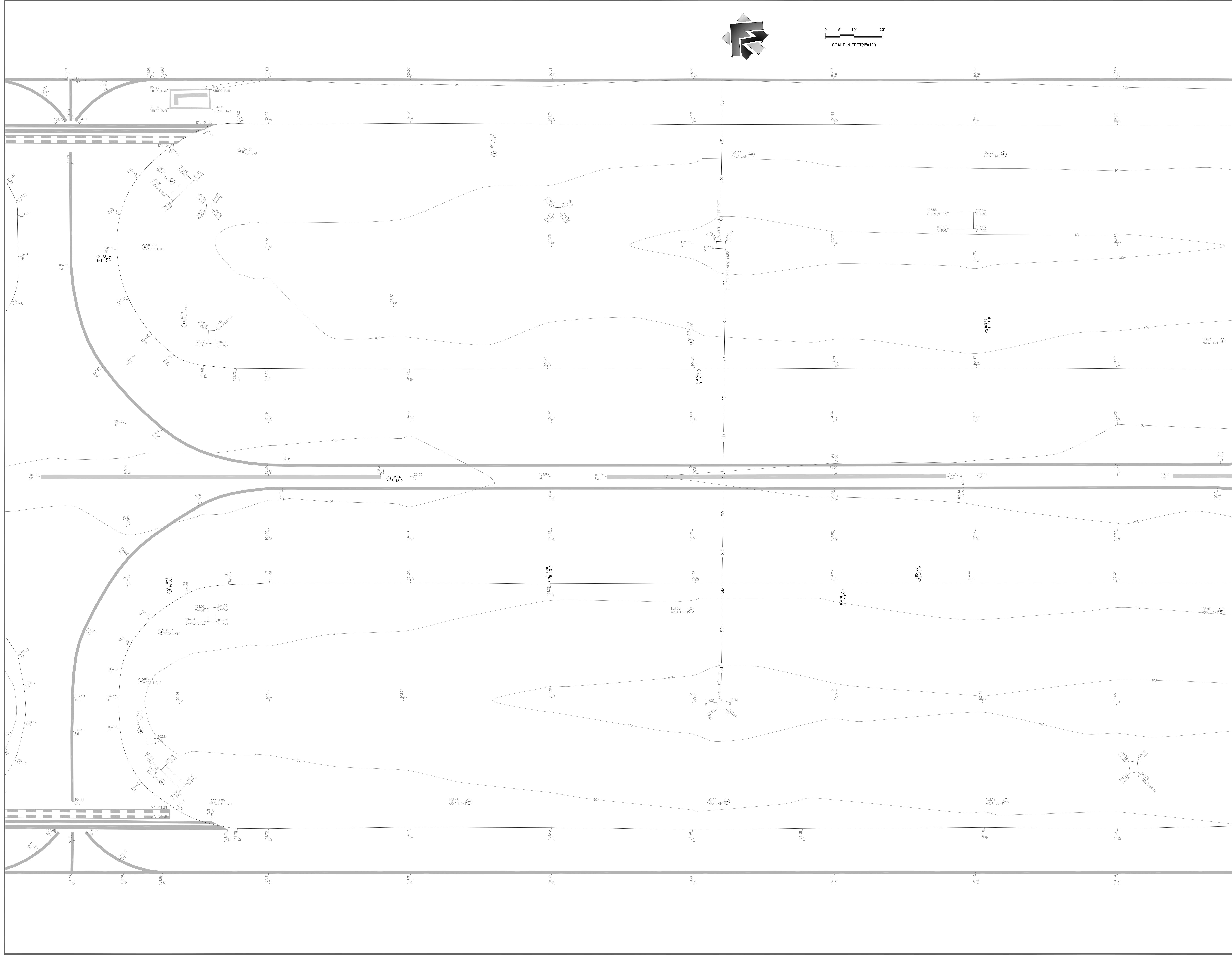
DATE: 2/14/2020

SAN CARLOS, CA

TOPOGRAPHIC SURVEY

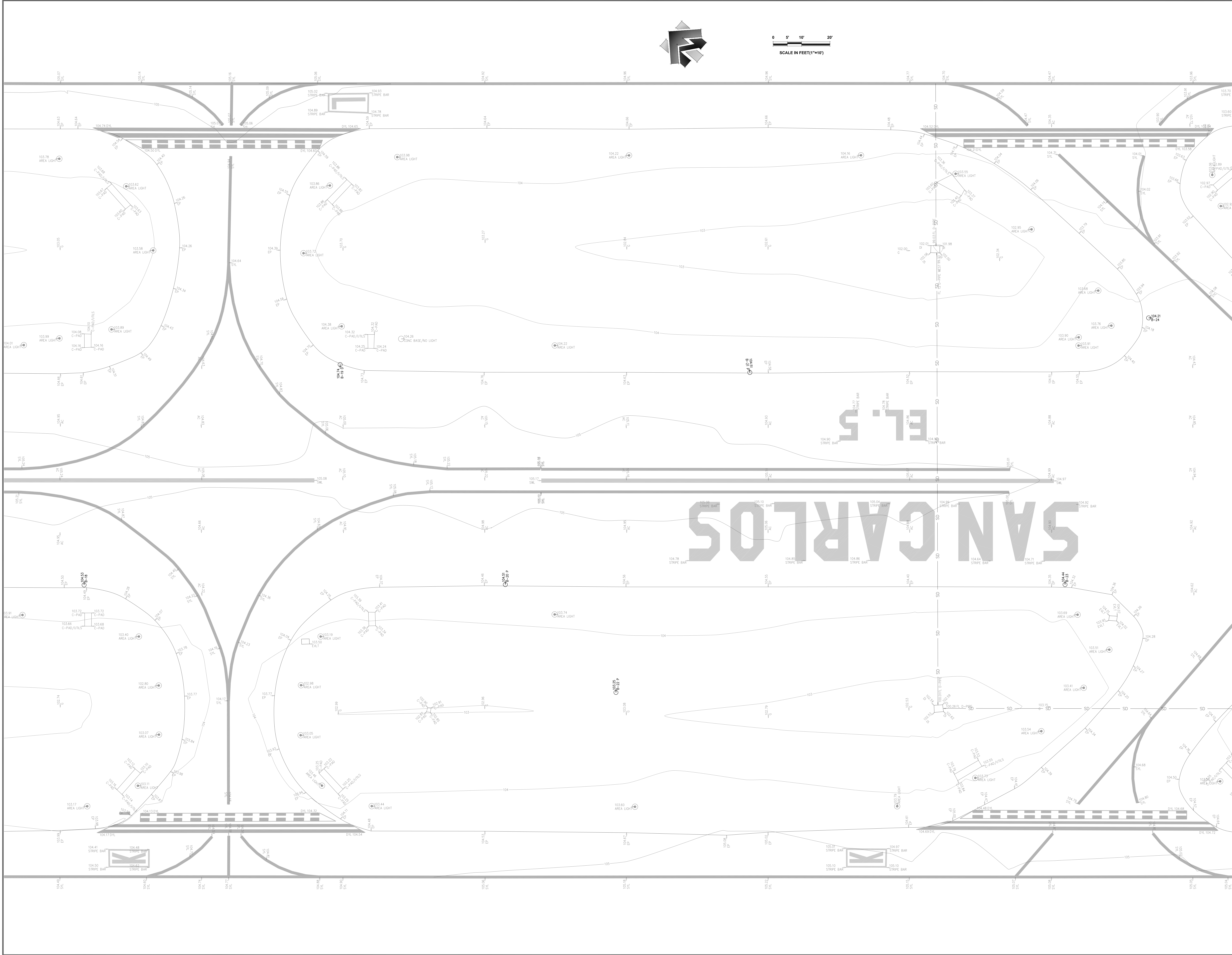
SAN CARLOS AIRPORT

R.E.Y. ENGINEERS, INC.
 Civil Engineers | Land Surveys | LDRS
 707 NORTH SHORELINE BOULEVARD
 MOUNTAIN VIEW, CA 94043
 Phone: (408) 219-3236
 SHEET 3 OF 9



TOPOGRAPHIC SURVEY

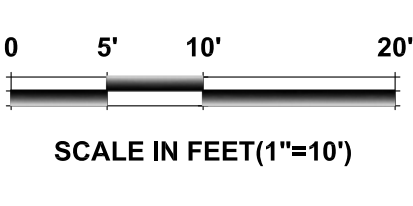
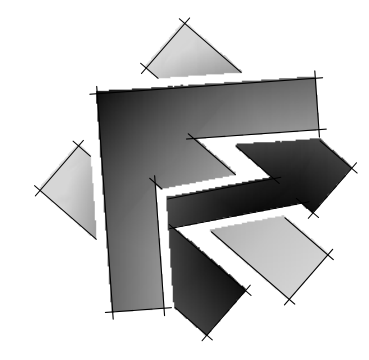
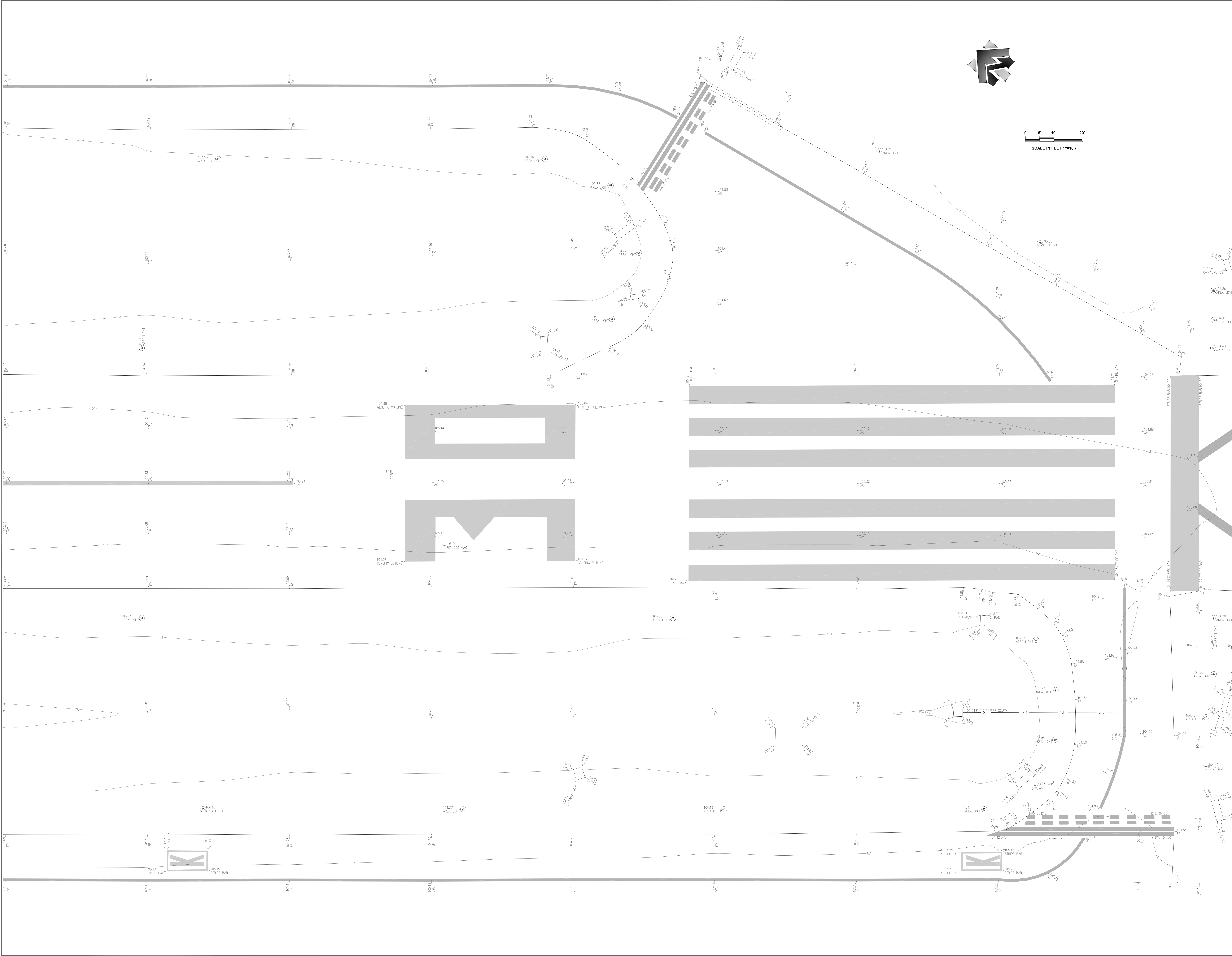
SAN CARLOS AIRPORT





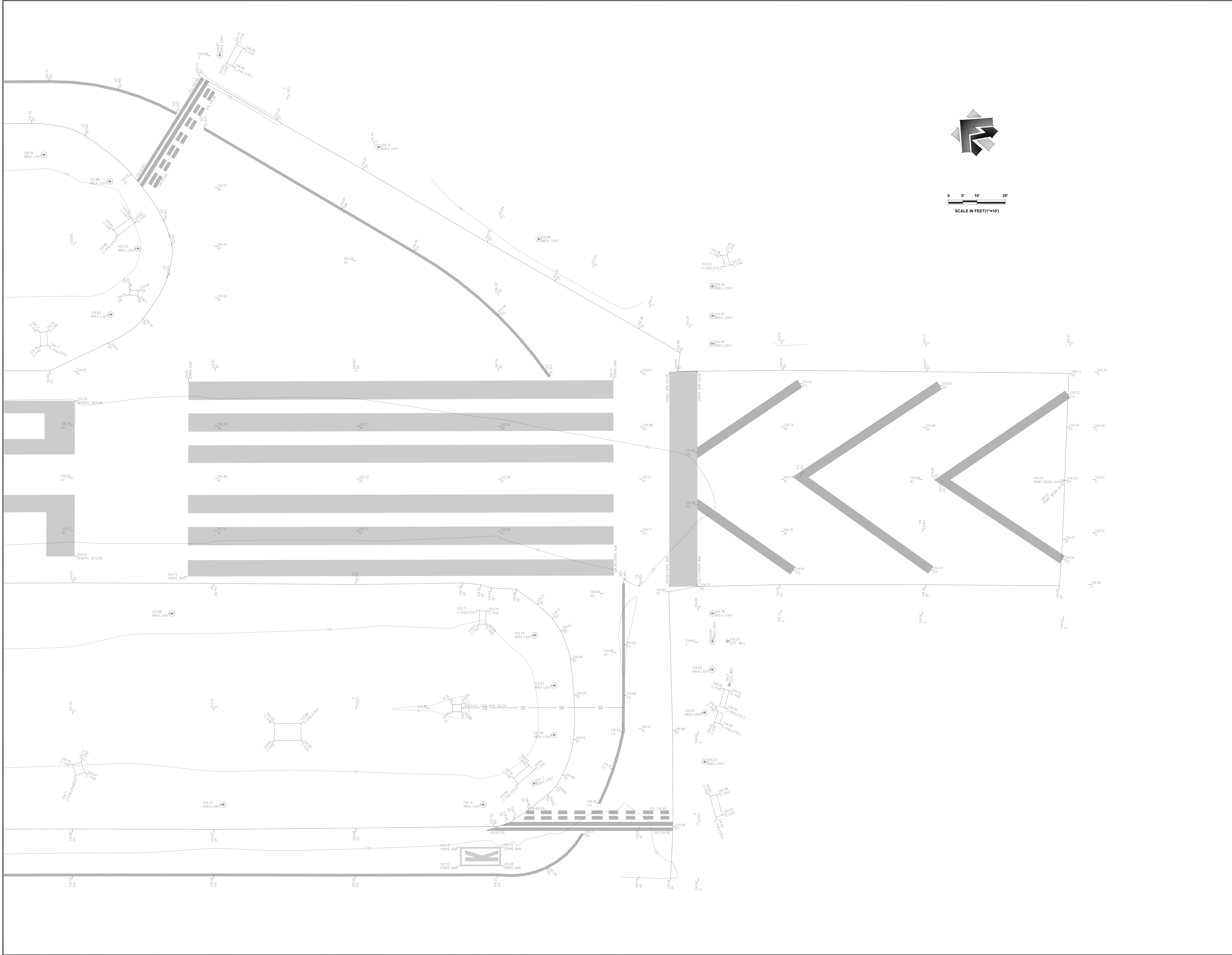
TOPOGRAPHIC SURVEY
SAN CARLOS AIRPORT

DATE: 2/14/2020
SAN CARLOS, CA



TOPOGRAPHIC SURVEY

SAN CARLOS AIRPORT



TOPOGRAPHIC SURVEY

SAN CARLOS AIRPORT

DATE: 2/14/2020
 SAN CARLOS, CA

R.E.Y. ENGINEERS, INC.
 Civil Engineers | Land Surveyors | LDARS
 707 NORTH SHORELINE BOULEVARD
 MOUNTAIN VIEW, CA 94043
 Phone: (408) 219-3236
 SHEET 9 OF 9

BASIS OF COORDINATES:

COORDINATES SHOWN HEREON ARE IN TERMS OF NAD83 (2011), EPOCH 2010.0, CALIFORNIA STATE PLANE COORDINATE ZONE 5, BASED LOCALLY UPON TIES TO STATIONS "CARLP0RT" AND "CARLP0RT AZ MK" AS PUBLISHED BY NGS.

BASIS OF ELEVATIONS:

ELEVATIONS SHOWN HEREON ARE IN TERMS OF NAVD88, BASED LOCALLY UPON REDWOOD CITY BENCHMARK #1, LOCATED AT THE INTERSECTION OF REDWOOD SHORES PARKWAY AND TWIN DOLPHIN DRIVE, PUBLISHED ELEVATION=6.55, PROJECT ELEVATION =106.55.

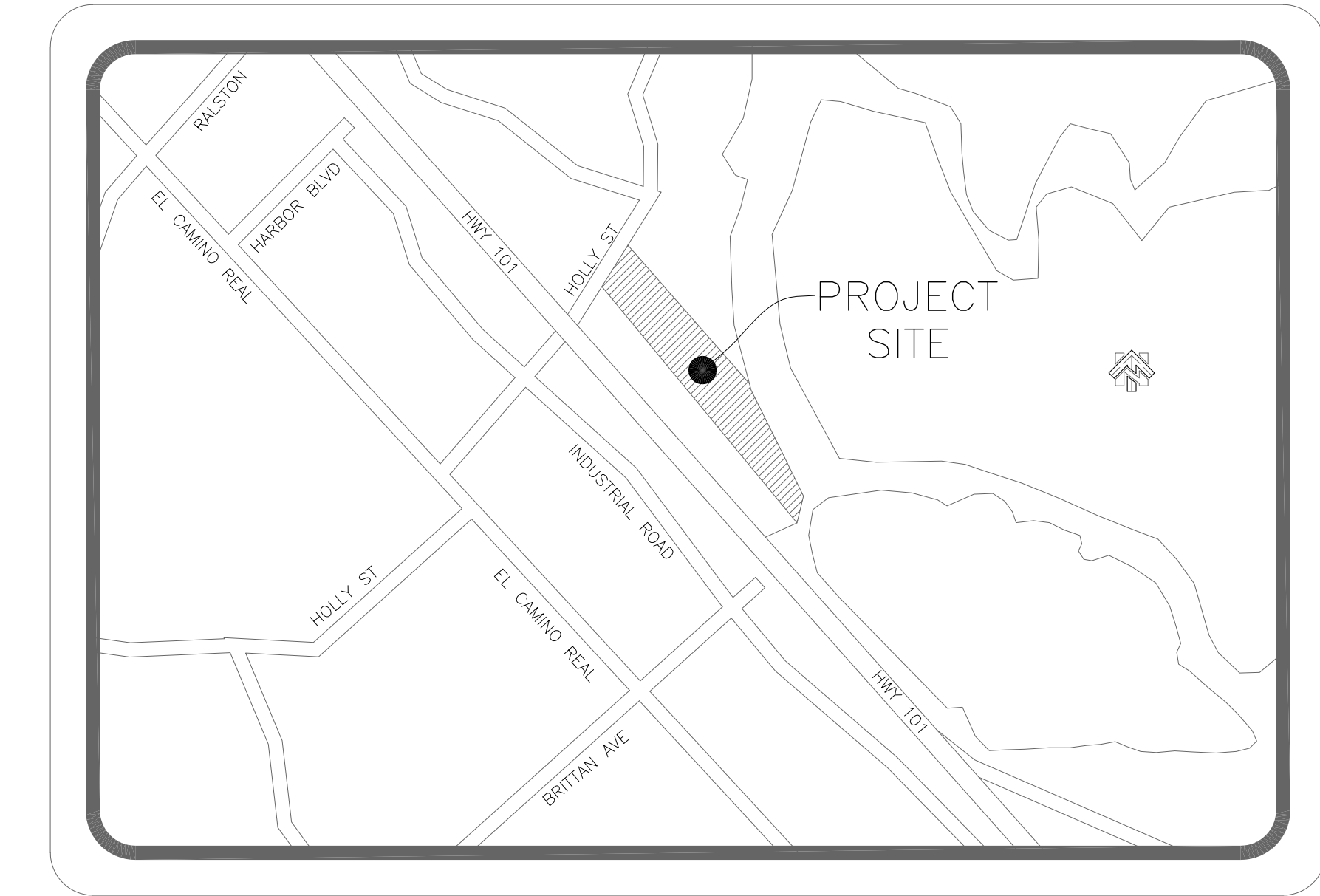
LEGEND:

- CI CAST IRON PIPE
- CMP CORRUGATED METAL PIPE
- DI STORM DRAIN INLET
- ELEC ELECTRICAL
- G GROUND
- GB CRADDEBREAK
- HDPE HIGH-DENSITY POLYETHYLENE PIPE
- INV INVERT
- RCP REINFORCED CONCRETE PIPE
- SDMH STORM DRAIN MANHOLE
- TOP TOP OF SLOPE
- UG UNDERGROUND
- SD STORM LINE

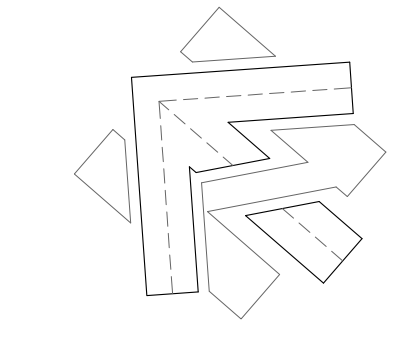
SHEET INDEX

SURVEYOR NOTES:

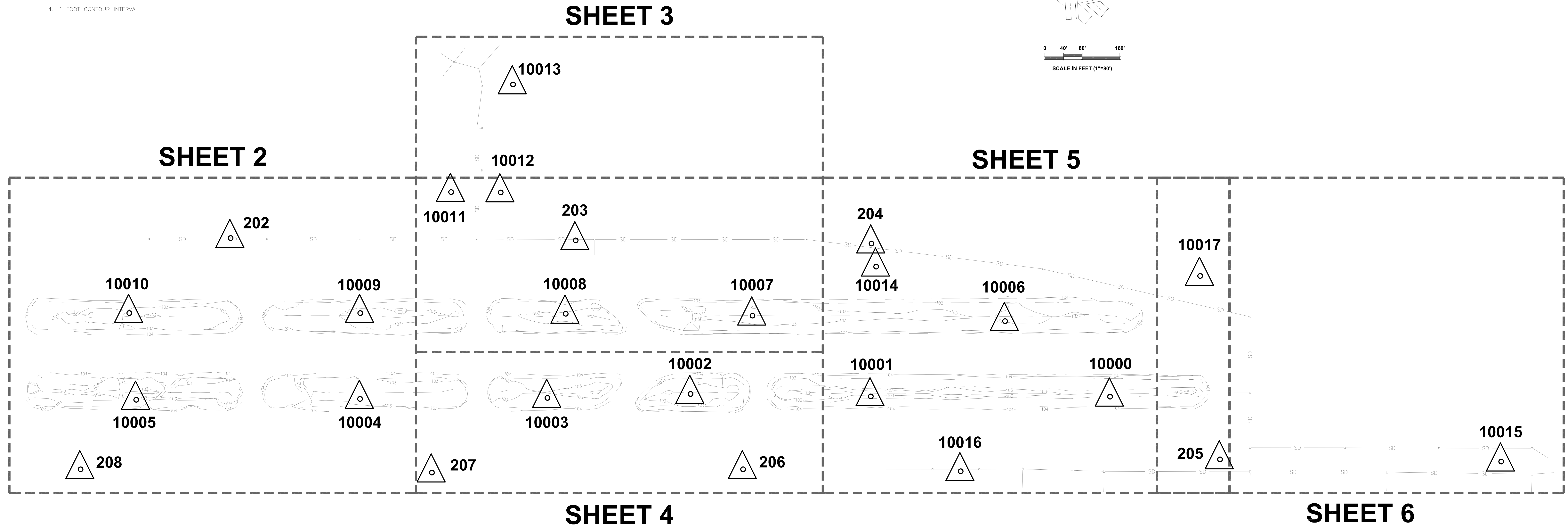
- ALL DISTANCES AND DIMENSIONS ARE SHOWN IN FEET AND DECIMALS THEREOF
- DATE OF FIELD SURVEY: OCTOBER 10, 2022
- ADDED 100 FEET TO ELEVATION
- 1 FOOT CONTOUR INTERVAL



VICINITY MAP
NO SCALE



0 40' 80' 160'
SCALE IN FEET (1"=80')



POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
202	2014374.63	6053898.47	103.64	REY 202 MAG
203	2013815.33	6054377.89	103.25	REY 203 MAG AT END VALLEY GUTTER
204	2013334.10	6054786.90	103.76	REY 204 MAG AT SHACK
205	2012470.30	6054927.21	103.56	REY 205 MAG
206	2013225.10	6054243.58	104.51	REY 206 MAG
207	2013722.08	6053802.57	102.96	REY 207 MAG
208	2014292.77	6053315.91	104.76	REY 208 MAG
10000	2012735.33	6054874.33	103.82	WP10000 60D NAIL
10001	2013121.31	6054538.73	103.05	WP10001 60D
10002	2013415.21	6054291.32	102.50	WP10002 60D NAIL
10003	2013640.36	6054084.61	103.41	WP10003 60D NAIL
10004	2013940.95	6053820.62	102.91	WP10004 60D NAIL
10005	2014300.42	6053505.84	103.37	WP10005 60D NAIL
10006	2013010.20	6054848.98	102.88	TWP 10006 60D NAIL
10007	2013425.02	6054504.19	102.46	TWP 10007 60D NAIL
10008	2013728.65	6054245.68	102.59	TWP 10008 60D NAIL
10009	2014060.68	6053959.16	102.56	TWP 10009 60D NAIL
10010	2014432.94	6053635.83	102.74	TWP10010 60D NAIL
10011	2014083.59	6054281.33	104.11	WP10011 MAG NAIL
10012	2014003.24	6054350.13	104.15	WP10012 MAG NAIL
10013	2014134.47	6054541.32	104.15	WP10013 MAG NAIL
10014	2013294.29	6054756.34	102.29	WP10014 60D NAIL
10015	2012014.10	6055317.39	103.54	WP10015 MAG NAIL
10016	2012871.71	6054544.99	104.32	WP10016 MAG IN VALLEY GUTTER
10017	2012759.03	6055195.02	109.87	WP10017 MAG NAIL

SURVEYOR'S STATEMENT

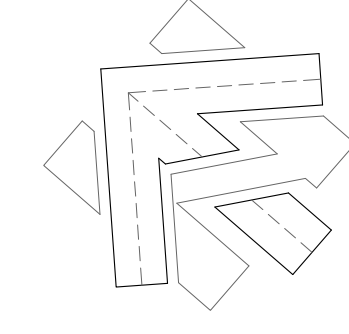
THIS FIELD SURVEY DATA WAS PREPARED UNDER MY DIRECTION IN CONFORMANCE WITH THE PROFESSIONAL LAND SURVEYORS ACT.

Michael A. Spivak

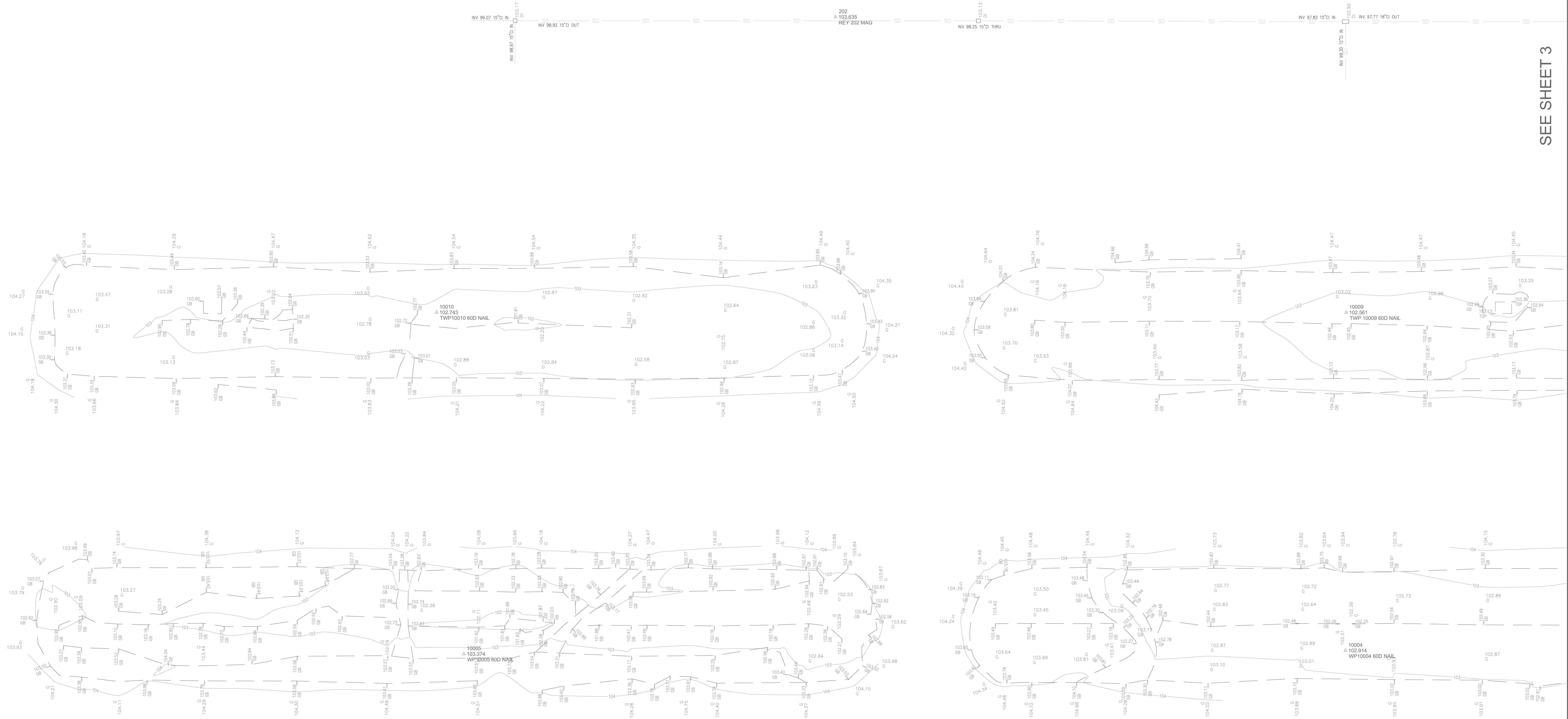


LEGEND:

- CI CAST IRON PIPE
- CMP CORRUGATED METAL PIPE
- DI STORM DRAIN INLET
- ELEC ELECTRICAL
- G GROUND
- GB GRADEBREAK
- HDPE HIGH-DENSITY POLYETHYLENE PIPE
- INVERT
- RCP REINFORCED CONCRETE PIPE
- SDMH@ STORM DRAIN MANHOLE
- TOP TOP OF SLOPE
- UG UNDERGROUND
- SL STORM LINE



0 10' 20' 40'
SCALE IN FEET (1"=20')

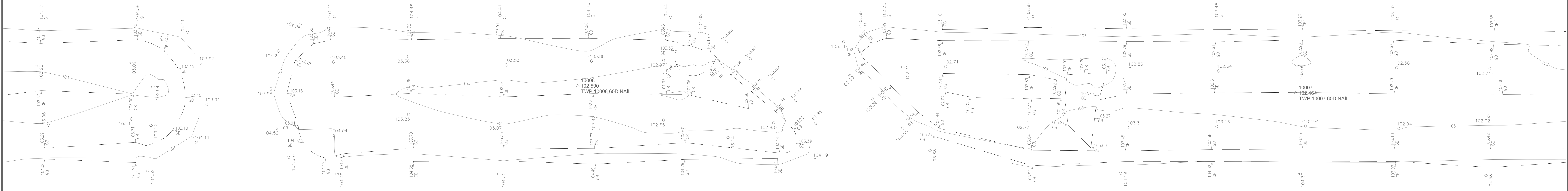


208
A 104,755
REV 208 MAG

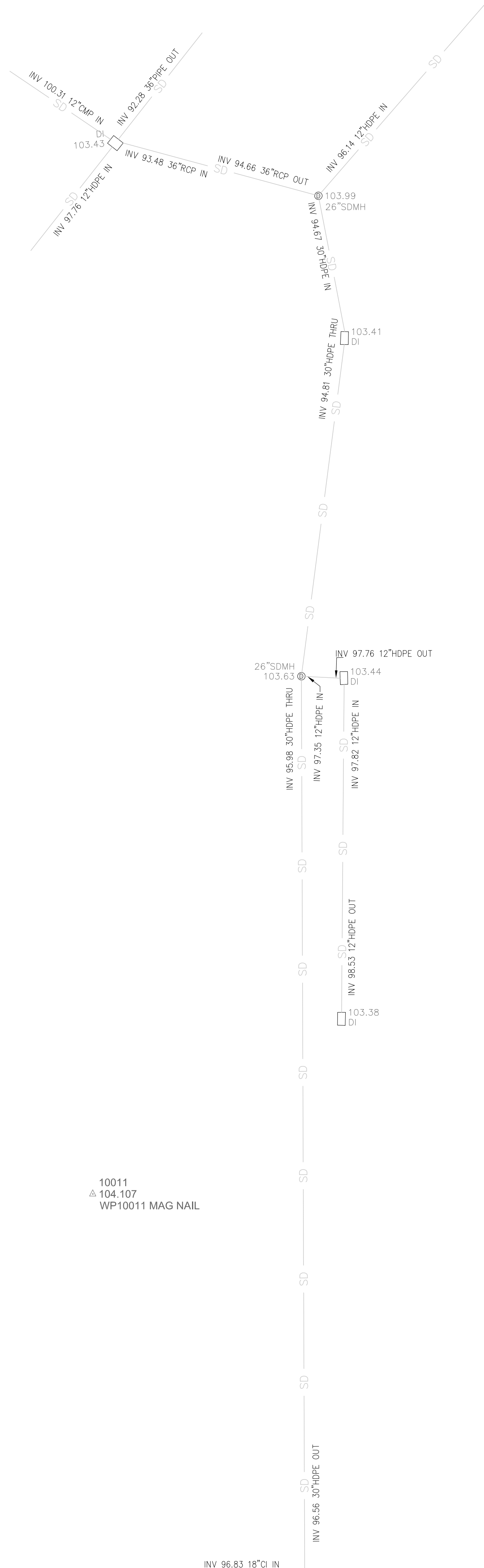
SEE SHEET 3

TOPOGRAPHIC SURVEY
AIRPORT RUNWAY AND CONNECTOR TAXIWAY REHABILITATION

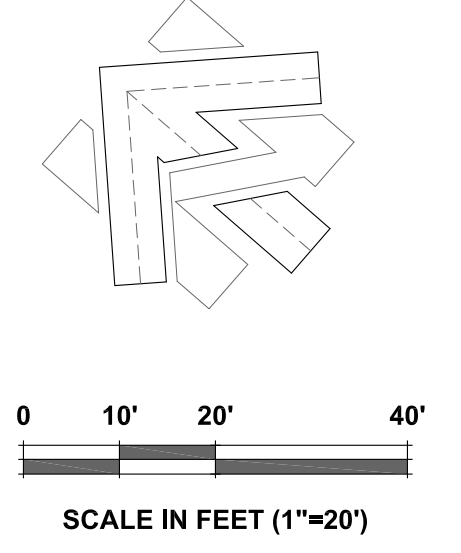
SEE SHEET 2



SEE SHEET 4



- LEGEND:**
- CAST IRON PIPE
 - CMP
 - D/CMP
 - D/LEC
 - ELEC
 - GROUND
 - GB
 - HOPE
 - INV
 - RCP
 - SDMH
 - TOP
 - UC
 - UNDERGROUND
 - STORM LINE



SEE SHEET 5

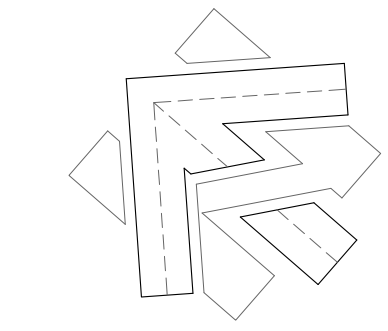
SEE SHEET 3

10011
A 104.107
WP10011 MAG NAIL

10012
A 104.147
WP10012 MAG NAIL

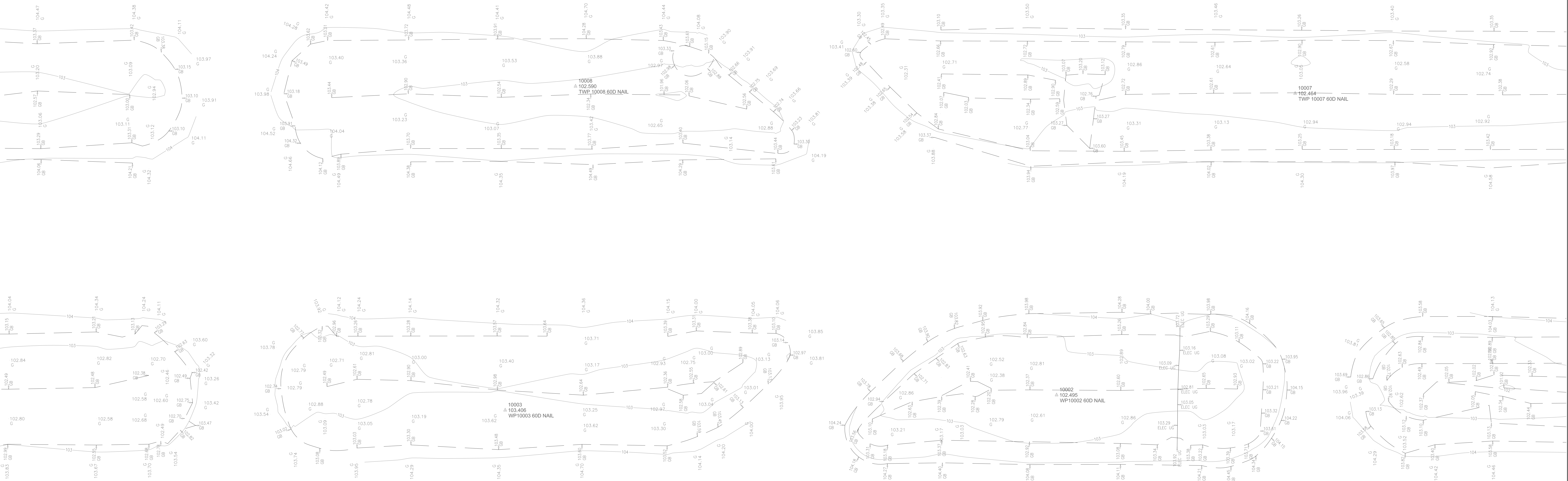
LEGEND:

- CI CAST IRON PIPE
- CMP CORRUGATED METAL PIPE
- DI STORM DRAIN INLET
- ELEC ELECTRICAL
- G GROUND
- GB GRADEBREAK
- HOPE HIGH-DENSITY POLYETHYLENE PIPE
- INV INVERT
- RCP REINFORCED CONCRETE PIPE
- SDMH STORM DRAIN MANHOLE
- TOP TOP OF SLOPE
- UG UNDERGROUND
- SL STORM LINE



0 10' 20' 40'
SCALE IN FEET (1"=20')

SEE SHEET 5



SEE SHEET 2

207
A 102.963
WP10027
REV 207 MAG

206
A 104.507
REV 206 MAG

DATE:10/17/2022

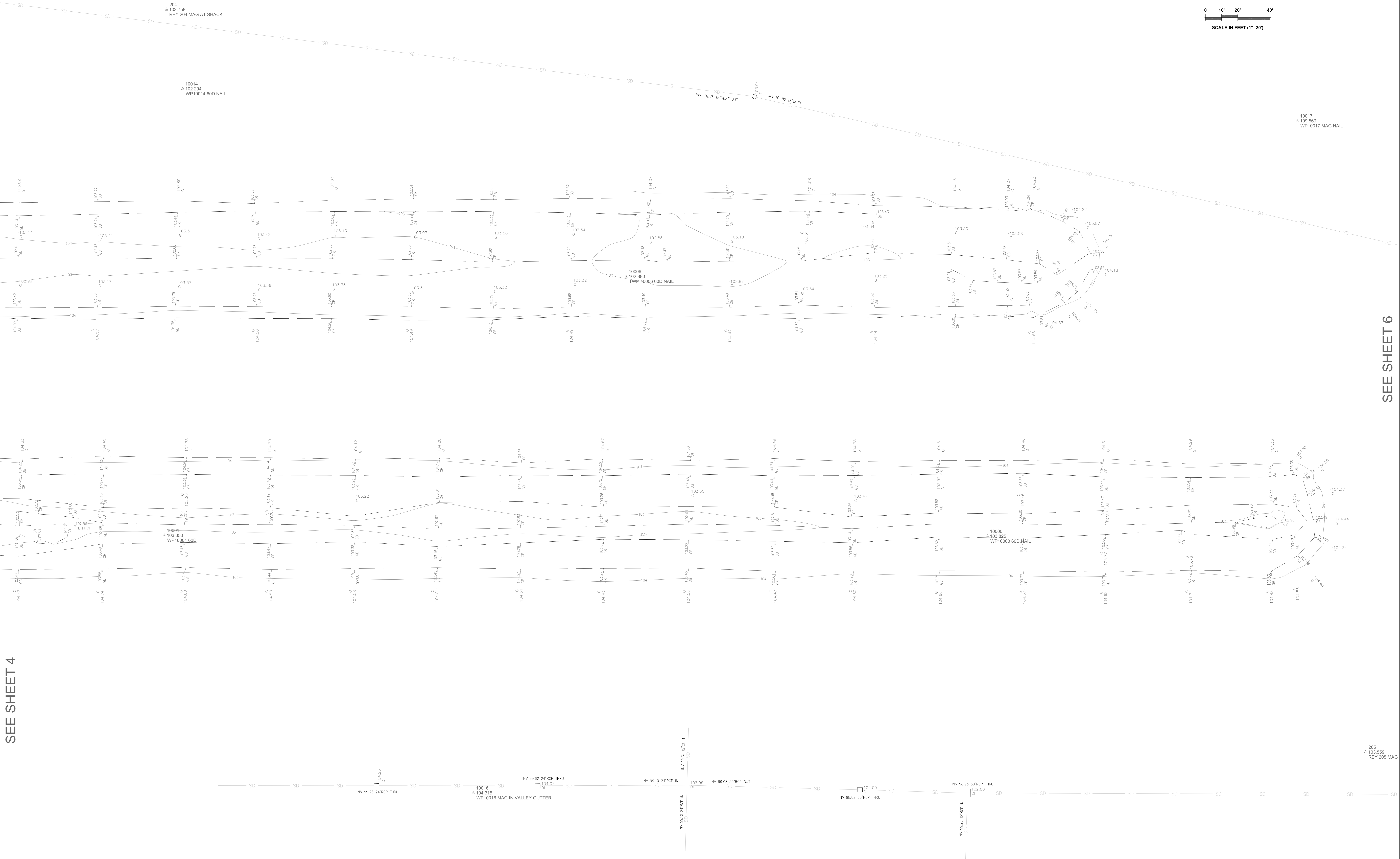
SAN CARLOS, CA

TOPOGRAPHIC SURVEY

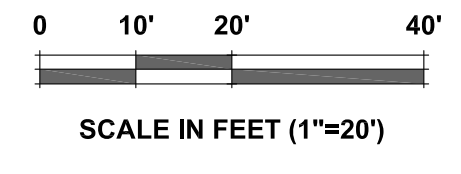
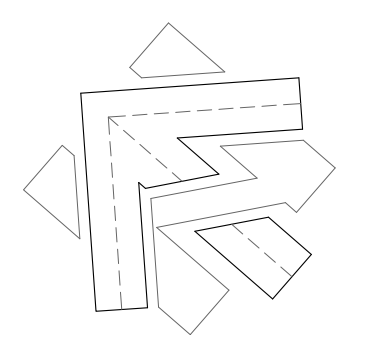
AIRPORT RUNWAY AND CONNECTOR TAXIWAY REHABILITATION

SEE SHEET 5

SEE SHEET 4



- LEGEND:**
- CI CAST IRON PIPE
 - CMP CORRUGATED METAL PIPE
 - DI STORM DROP INLET
 - ELEC ELECTRICAL
 - GB GRADEBREAK
 - G GROUND
 - HDPE HIGH-DENSITY POLYETHYLENE PIPE
 - INV INVERT
 - RCR REINFORCED CONCRETE PIPE
 - SDMH Ⓞ STORM DRAIN MANHOLE
 - TOP TOP OF SLOPE
 - UG UNDERGROUND
 - SD STORM LINE



SEE SHEET 6

DATE: 10/17/2022

SAN CARLOS, CA

TOPOGRAPHIC SURVEY
AIRPORT RUNWAY AND CONNECTOR TAXIWAY REHABILITATION

205
103.559
REV 205 MAG

SEE SHEET 5



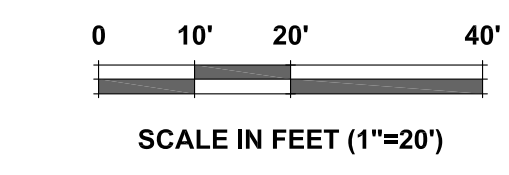
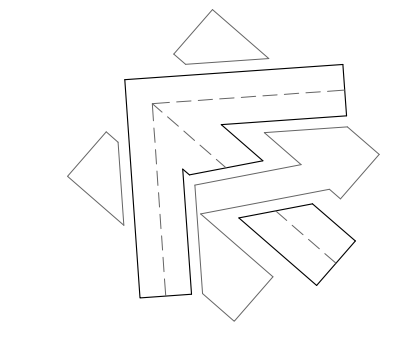
10017
 ▲ 109.869
 WP10017 MAG NAIL

205
 ▲ 103.559
 REV 205 MAG

10015
 ▲ 103.641
 WP10015 MAG NAIL

LEGEND:

- CI CAST IRON PIPE
- CMP CORRUGATED METAL PIPE
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- ELEC ELECTRICAL
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DATE: 10/17/2022
 SAN CARLOS, CA

TOPOGRAPHIC SURVEY
 AIRPORT RUNWAY AND CONNECTOR TAXIWAY REHABILITATION