



PINAL AIRPARK

PINAL COUNTY, ARIZONA

RUNWAY 12-30

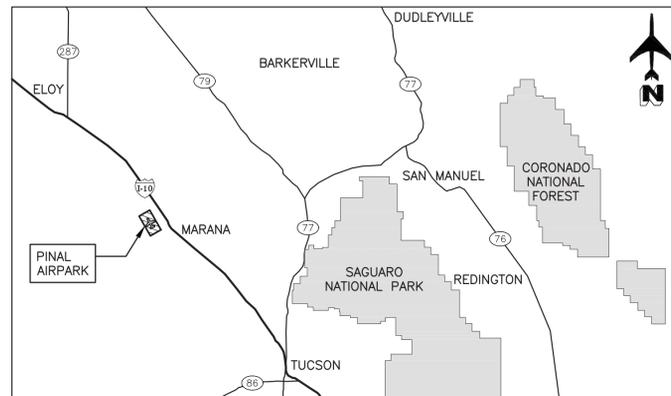
REHABILITATION & REPAIR

PINAL COUNTY PROJECT NO. 61790016
 PINAL COUNTY CONTRACT NO. EC14-010
 PINAL COUNTY BID NO. PW 14-15-011

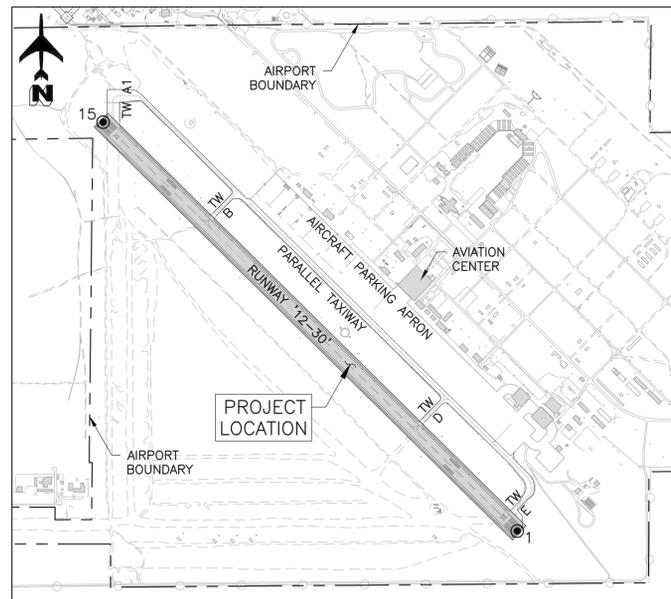
AS BUILT DATE

Dibble Engineering

7500 N. Dreamy Draw Drive
 Suite 200
 Phoenix, AZ 85020
 P 602.957.1155



VICINITY MAP
NTS



LOCATION MAP
NTS

COORDINATION LIST

ORGANIZATION	CONTACT	PHONE
ENGINEER (CIVIL)	RYAN TONER	602.957.1155
ENGINEER (ELECTRICAL)	CATHERINE ALCORN	480.816.5541
SURVEYOR	STEVE DURYEA	602.957.1155

PROJECT BENCHMARK

- PROJECT BENCHMARK:
POINT NO: 1
FOUND MAG NAIL AND WASHER
STAMPED "NOS"
OBSERVED ELEV=1893.14
- PROJECT BENCHMARK:
POINT NO: 15
FOUND MAG NAIL AND WASHER
STAMPED "NOS-C&GS"
OBSERVED ELEV=1874.76

AIRPORT MANAGER

JIM PETTY 520.866.6545

SHEET INDEX

SHEET NO	DRAWING ID	SHEET TITLE
1	G1.0	COVER SHEET
2	G1.1	LEGEND, NOTES, ABBREVIATIONS & QUANTITIES
3	G1.2	SURVEY CONTROL
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8	C1.1	DEMOLITION PLAN (STA 99+00 - STA 122+00)
9	C1.2	DEMOLITION PLAN (STA 122+00 - STA 146+00)
10	C1.3	DEMOLITION PLAN (STA 146+00 - STA 170+00)
11	C2.1	GRADING AND PAVING PLAN (STA 99+00 - STA 122+00)
12	C2.2	GRADING AND PAVING PLAN (STA 122+00 - STA 146+00)
13	C2.3	GRADING AND PAVING PLAN (STA 146+00 - STA 170+00)
14	C3.1	PAVEMENT MARKING PLAN (STA 99+00 - STA 122+00)
15	C3.2	PAVEMENT MARKING PLAN (STA 122+00 - STA 146+00)
16	C3.3	PAVEMENT MARKING PLAN (STA 146+00 - STA 170+00)
17	C3.4	PAVEMENT MARKING DETAILS
18	GT1.1	BORING LOCATION MAP
19	GT1.2	BORING LOGS
20	GT1.3	BORING LOGS

REVISION	BY	DATE
PINAL AIRPARK		
DIBBLE PROJECT NO 101470		
RUNWAY 12-30		
REHABILITATION & REPAIR		
COVER SHEET		
DRN: JHA	DES: CLA	CK: MJB
DATE: 5.19.15	DATE: 5.19.15	DATE: 5.19.15
SCALE:	G1.0	1 OF 20



GENERAL NOTES

- ALL CONSTRUCTION TO CONFORM TO THE LATEST REVISIONS OF THE MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) STANDARD SPECIFICATIONS AND DETAILS UNLESS SPECIFICALLY MODIFIED IN THE PLANS OR CONTRACT DOCUMENTS, IN CONJUNCTION WITH THE FEDERAL AVIATION ADMINISTRATION (FAA) ADVISORY CIRCULARS (AC) AS IDENTIFIED AND SPECIFIED WITHIN THE PLANS AND CONTRACT DOCUMENTS.
- IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN, AT HIS OWN EXPENSE, SUCH PERMITS AS ARE REQUIRED FROM THE APPROPRIATE AGENCIES (NPI).
- ANY WORK PERFORMED WITHOUT THE KNOWLEDGE AND APPROVAL OF THE ENGINEER AND/OR AIRPORT AND ALL WORK MATERIALS NOT IN CONFORMANCE WITH THE PLANS AND SPECIFICATIONS IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S SOLE EXPENSE.
- NO JOB WILL BE CONSIDERED SUBSTANTIALLY OR FINALLY COMPLETE UNTIL ALL OFFSITE CURBS, PAVEMENT AND SIDEWALKS HAVE BEEN SWEEPED CLEAN OF ALL DIRT AND DEBRIS, AS WELL AS ALL PAVEMENT WITHIN THE AIR OPERATIONS AREA (AOA).
- THE CONTRACTOR SHALL KEEP SUITABLE EQUIPMENT ON HAND AT THE JOBSITE FOR MAINTENANCE OF DUST CONTROL AND SHALL CONTROL DUST AS DIRECTED BY THE APPROPRIATE AGENCIES, AS WELL AS ANY FOREIGN OBJECT DEBRIS (FOD) WITHIN THE AOA (I.E. SWEEPER OR VAC TRUCK).
- A THOROUGH ATTEMPT HAS BEEN MADE TO SHOW THE LOCATION OF ALL UNDERGROUND OBSTRUCTIONS AND UTILITY LINES IN THE WORK AREA. THE ENGINEER AND THE AIRPORT WILL NOT GUARANTEE ANY LOCATIONS OR ELEVATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL NOT BE RELIEVED OF THE RESPONSIBILITY FOR MAKING A COMPLETE AND ACCURATE ON-SITE DETERMINATION OF THE LOCATIONS OF ALL UTILITIES, STRUCTURES, AND FIELD CONDITIONS WHICH MAY AFFECT THE PROGRESS OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO STRUCTURES AND UTILITIES ENCOUNTERED DURING CONSTRUCTION AND SHALL FILL EXISTING UNDERGROUND UTILITIES PRIOR TO TRENCHING IN THEIR VICINITY.
- THE CONTRACTOR IS REQUIRED TO CONTACT BLUE STAKE (1-800-STAKE IT) A MINIMUM OF TWO (2) WORKING DAYS (48 HOURS) PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE APPROPRIATE UTILITY COMPANIES SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION.
- ALL QUANTITIES SHOWN ON PLANS ARE APPROXIMATE, ARE NOT VERIFIED BY THE AIRPORT, AND ARE FURNISHED SOLELY FOR THE CONTRACTOR'S CONVENIENCE. THEY DO NOT NECESSARILY CORRESPOND TO BID SCHEDULE ITEMS. PAYMENT WILL BE BASED ON BID SCHEDULE ITEMS. THE CONTRACTOR SHALL NOT BE RELIEVED OF HIS RESPONSIBILITY FOR INDEPENDENTLY ESTIMATING WORK QUANTITIES PRIOR TO BIDDING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE ENGINEER FOR APPROVAL, TRAFFIC CONTROL PLANS WHICH SHALL BE MADE A PART OF THE PLAN REVIEW REQUEST. THE CONTRACTOR SHALL DETERMINE THE EXACT SIGNING/TRAFFIC CONTROL DEVICES NECESSARY AND ALL TRAFFIC CONTROL WORK SHALL BE IN ACCORDANCE WITH THE LATEST REVISIONS THEREOF. NO STREET, TAXIWAY, OR RUNWAY IS TO BE CLOSED, RESTRICTED, OR CONSTRUCTED UPON UNTIL A TRAFFIC PLAN IS PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AND AIRPORT ONE (1) WEEK IN ADVANCE FOR APPROVAL. APPROPRIATE EMERGENCY AGENCIES SHALL BE NOTIFIED 24 HOURS PRIOR TO ANY CLOSING OF STREETS.
- CONTRACTOR SHALL WARRANT ALL WORK FOR A MINIMUM OF A ONE YEAR PERIOD AT THE DATE OF FINAL COMPLETION, UNLESS OTHERWISE NOTED IN THE SPECIFICATIONS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN COPIES OF MAG STANDARDS AND SPECIFICATIONS AS WELL AS ALL OTHER FEDERAL STANDARDS AND SPECIFICATIONS NECESSARY TO COMPLETELY AND ACCURATELY INTERPRET THE PLANS AND CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL GUARD AGAINST DAMAGE DURING CONSTRUCTION TO EXISTING PROPERTIES AND IMPROVEMENTS. ANY ITEMS DAMAGED BY CONSTRUCTION SHALL BE REPLACED IN KIND OR BETTER AT CONTRACTOR'S SOLE EXPENSE.
- REMOVAL OF STRUCTURES AND OBSTRUCTIONS AS NECESSARY TO COMPLETE THE WORK, OTHER THAN SPECIFICALLY SCHEDULED IN THE BID, IS INCIDENTAL TO THE CONTRACT. NO SEPARATE MEASUREMENT OF OR PAYMENT FOR UNSCHEDULED REMOVAL ITEMS WILL BE MADE.
- ALL CONSTRUCTION STAKING SHALL BE BY THE CONTRACTOR WITH GEOMETRIC CONTROL PROVIDED BY THE DESIGN ENGINEER WHO STAMPED THE PLANS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION SURVEYING AND LAYOUT. ANY QUESTIONS SHALL BE ADDRESSED TO THE DESIGN ENGINEER WHO STAMPED THE PLANS.
- THE AIRPORT MAY ORDER ANY OR ALL WORKMANSHIP AND MATERIALS TO BE TESTED ACCORDING TO APPLICABLE STANDARDS.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL REWORK AND/OR REMOVAL AND REPLACEMENT OF ALL MATERIALS AND/OR WORKMANSHIP REPRESENTED BY A FAILING MATERIAL/TEST AT NO COST TO THE OWNER.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL COSTS OF QUALITY CONTROL TESTING AND INSPECTION REQUIRED INCLUDING NIGHT AND ON WEEKENDS, (IF NECESSARY).
- APPROVAL OF A PORTION OF THE WORK IN PROGRESS DOES NOT GUARANTEE ITS SUBSTANTIAL OR FINAL ACCEPTANCE. TESTING AND EVALUATION MAY CONTINUE UNTIL WRITTEN FINAL ACCEPTANCE OF A COMPLETE AND WORKABLE UNIT.
- THE AIRPORT MAY SUSPEND THE WORK BY WRITTEN NOTICE WHEN, IN ITS JUDGEMENT, PROGRESS IS UNSATISFACTORY, WORK BEING DONE IS UNAUTHORIZED OR DEFECTIVE, WEATHER CONDITIONS ARE UNSUITABLE, OR THERE IS A DANGER TO THE PUBLIC HEALTH OR SAFETY.
- STREET AND TRAFFIC SIGNS WILL BE RELOCATED BY THE CONTRACTOR, IF NECESSARY, AT THE DIRECTION OF THE AIRPORT MANAGER.
- CLEARING AND GRUBBING SHALL BE CONSIDERED INCIDENTAL TO THE WORK UNLESS SPECIFIC AREAS REQUIRING SIGNIFICANT CLEARING AND GRUBBING ARE CALLED OUT IN THE PLANS AND SCHEDULED IN THE BID. ALL EXCAVATION, EMBANKMENTS, AND FILLS SHALL FIRST BE CLEARED OF STUMPS, TRASH, WEEDS, RUBBISH, AND LOOSE BOULDERS WHICH SHALL BE REMOVED AND DISPOSED OF. THE CONTRACTOR MUST SATISFY HIMSELF REGARDING THE CHARACTER AND AMOUNT OF LOAM, CLAY, SAND, QUICKSAND, HARDPAN, GRAVEL, ROCK, WATER, AND ALL OTHER MATERIAL TO BE ENCOUNTERED AND WORK TO BE PERFORMED.
- ALL EXISTING FENCES DAMAGED OR REMOVED DURING CONSTRUCTION WILL BE REPLACED IN KIND AT NO COST TO THE OWNER. CONTRACTOR SHALL EXTEND FENCE REPLACEMENT TO THE CLOSEST UPRIGHT SUPPORT NECESSARY FOR STABILITY.
- CONTRACTOR IS RESPONSIBLE FOR ALL QUALITY CONTROL TESTING, AND WILL PROVIDE ALL QUALITY CONTROL TESTING RESULTS TO THE ENGINEER WITHIN 48 HOURS OF RECEIPT BY THE CONTRACTOR.

LEGEND

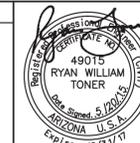
- PROJECT BENCHMARK
- EXISTING CATCH BASIN
- EXISTING TAXIWAY LIGHT
- EXISTING SIGN
- EXISTING VALVE
- EXISTING FIRE HYDRANT
- EXISTING MANHOLE
- PROPOSED MANHOLE
- EXISTING PULL BOX/VAULT
- EXISTING BEACON
- EXISTING WIND CONE
- AIRPORT PROPERTY LINE
- PARCEL LINE
- NEW STORM DRAIN
- EXISTING STORM DRAIN
- NEW ELECTRICAL
- EXISTING ELECTRICAL
- EXISTING FENCE
- NEW CHAIN LINK FENCE
- NEW CATCH BASIN
- FLOW ARROW
- SOIL BORING LOCATION
- CENTER LINE
- GRADE BREAK
- PROPOSED CONTOURS
- EXISTING CONTOURS
- EXISTING EDGE LIGHT
- AC PAVEMENT MILL (2.5" DEPTH)
- TRANSITION PAVEMENT SECTION (2.5"-3" VARIABLE MILL)
- 3" AC PAVEMENT OVERLAY
- VARIABLE DEPTH AC PAVEMENT OVERLAY (2.5"-3")
- 2.5" AC PAVEMENT OVERLAY
- EXISTING AC PAVEMENT
- NEW FINISHED PAVEMENT GRADE (+1800)
- EXISTING PAVEMENT GRADE (+1800)
- LOW-PROFILE BARRICADES
- FLOW LINE

ABBREVIATIONS

- ABC AGGREGATE BASE COURSE
- AC ASPHALT CONCRETE
- BCF BRASS CAP FLUSH
- BLDG BUILDING
- BM BENCHMARK
- CL CLASS
- CL CENTERLINE
- CONT ITEM CONTINGENT ITEM
- CONST CONSTRUCTION
- CP CONTROL POINT
- CMP CORRUGATED METAL PIPE
- DET DETAIL
- DIP DUCTILE IRON PIPE
- EOP EDGE OF PAVEMENT
- EXST EXISTING
- FAA FEDERAL AVIATION ADMINISTRATION
- FG FINISHED GRADE
- FL FLOWLINE
- FOD FOREIGN OBJECT DEBRIS
- G GROUND
- GB GRADE BREAK
- GR GRATE
- IE, INV INVERT ELEVATION
- LCA LOCALIZER CRITICAL AREA
- MAG MARICOPA ASSOCIATION OF GOVERNMENTS
- ME MATCH EXISTING
- NOTAM NOTICE TO AIRMEN
- NPI NON-PAY ITEM
- OC ON CENTER
- OFA OBJECT FREE AREA
- OFZ OBJECT FREE ZONE
- PCCP PORTLAND CEMENT CONCRETE PAVEMENT
- PC POINT OF CURVATURE
- PRC POINT OF REVERSE CURVATURE
- PT POINT OF TANGENCY
- PUE PUBLIC UTILITY EASEMENT
- PVC PIPE POLYVINYL CHLORIDE PIPE
- RCP REINFORCED CONCRETE PIPE
- RGRCP RUBBER GASKETED REINFORCED CONCRETE PIPE
- ROFA RUNWAY OBJECT FREE AREA
- RSA RUNWAY SAFETY AREA
- RW RUNWAY
- SD STORM DRAIN
- SHT SHEET
- SS SANITARY SEWER
- STD STANDARD
- SWPPP STORM WATER POLLUTION PREVENTION PLAN
- TBM TEMPORARY BENCHMARK
- TOFA TAXIWAY OBJECT FREE AREA
- TSA TAXIWAY SAFETY AREA
- TW TAXIWAY
- TYP TYPICAL
- UNO UNLESS NOTED OTHERWISE

AS BUILT DATE

Dibble Engineering
 7500 N. Dreamy Draw Drive
 Suite 200
 Phoenix, AZ 85020
 P 602.957.1155



100% QUANTITIES

LINE No.	ITEM No.	DESCRIPTION	APPROX. QTY.	UNIT	AS-BUILT QTY.
1	P-100-3.1	Contractor's Quality Control	1	LS	
2	P-101-4.1	Mobilization	1	LS	
3	P-104-6.1	Saw Cut Existing AC Pavement (2.5-Inch Depth)	14,413	LF	
4	P-104-6.2	Saw Cut Existing AC Pavement (3-Inch Depth)	300	LF	
5	P-104-6.3	Removal of Existing AC Pavement (2.5-Inch Mill)	114,517	SY	
6	P-104-6.4	Removal of Transition AC Pavement (2.5-Inch to 3-Inch Variable Depth Mill)	668	SY	
7	P-152-4.1	Over-Excavation and Replacement of Unsuitable Materials, Backfill and Compaction (Contingent Item)	2,800	CY	
8	P-405-7.1	Asphalt Concrete Pavement Overlay	18,997	TON	
9	P-620-5.1	Airfield Pavement Markings (Yellow)	1,006	SF	
10	P-620-5.2	Airfield Pavement Markings (White)	67,822	SF	
11	SP 34-1	Underground Utility Allowance	1	ALLOW	
12	SP 48-1	Airfield Safety and Security	1	LS	
13	SP 49-1	SWPPP/Erosion Control	1	LS	
14	SP 51-1	Crack Repair per Detail B, on Sheet G1.5 (Contingent Item)	33,000	LF	
15	SP 52-1	Bituminous Tack Coat	48	TON	
16	SP 53-1	Runway End Survey Monument	2	EA	

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REVISION	BY	DATE
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PINAL AIRPARK

DIBBLE PROJECT NO 101470

RUNWAY 12-30
 REHABILITATION & REPAIR

LEGEND, NOTES,
 ABBREVIATIONS & QUANTITIES

DRN: JHA	DES: CLA	CK: MJB	DRAWING	SHEET
DATE: 5.19.15	DATE: 5.19.15	DATE: 5.19.15	G1.1	2 OF 20

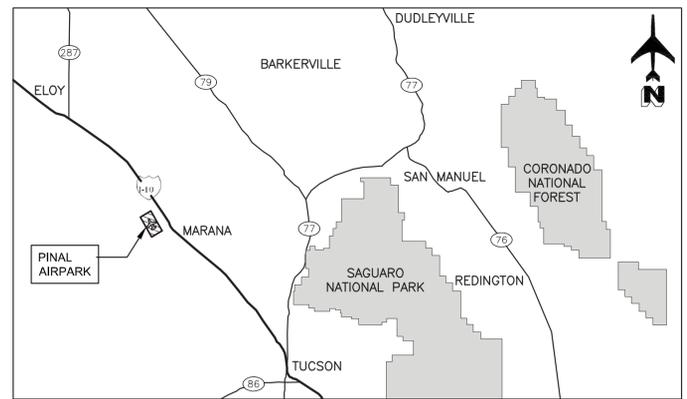


AS BUILT DATE

Dibble Engineering

7500 N. Dreamy Draw Drive
Suite 200
Phoenix, AZ 85020
P 602.957.1155

POINT DATA TABLE						
POINT NO.	GRID NORTHING	GRID EASTING	ELEVATION	DESCRIPTION	LATITUDE	LONGITUDE
1	547312.604	884724.492	1893.14	MAG NAIL W/ WASHER STAMPED "NOS"	32°30'11.55565" N	111°19'02.84614" W
15	552113.160	879840.382	1874.76	MAG NAIL W/ WASHER STAMPED "NOS-C&GS"	32°30'59.32608" N	111°19'59.57140" W



VICINITY MAP
NTS

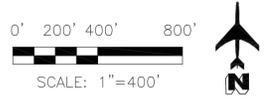
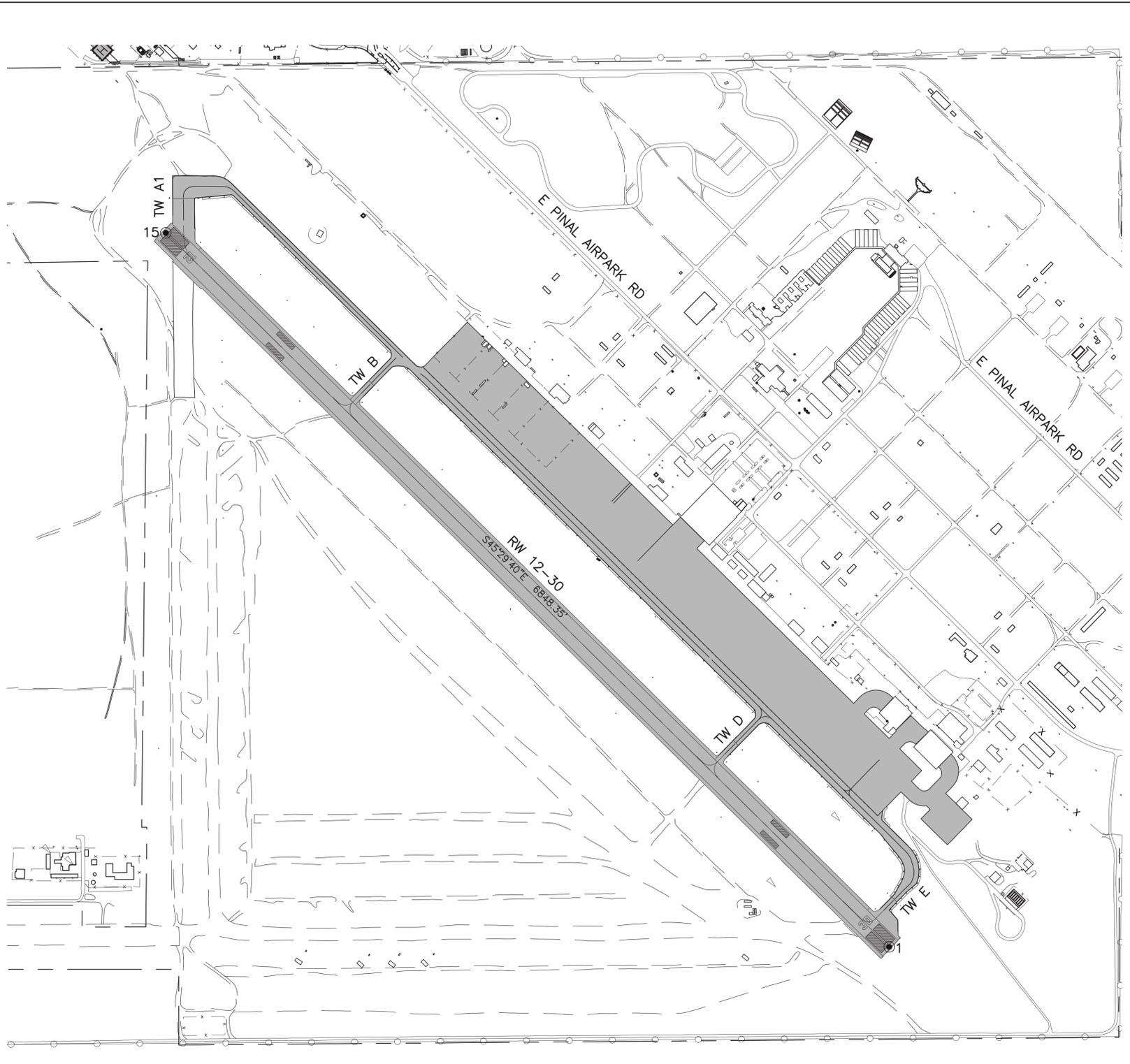
SURVEYOR'S NOTES

- COORDINATES WERE VERIFIED IN THE FIELD USING REAL TIME KINEMATIC GPS OBSERVATIONS RELATIVE TO NGS PUBLISHED CONTROL POINTS.
- SURVEYED DURING THE MONTH OF SEPTEMBER 2014.
- CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL CONTROLS IN THE FIELD PRIOR TO CONSTRUCTION.
- PROJECT META DATA
UNITS:
COORDINATES, DISTANCES AND ELEVATIONS ARE SHOWN IN US SURVEY FEET.
HORIZONTAL DATUM:
NAD83 (2011 EPOCH) ARIZONA CENTRAL ZONE
HORIZONTAL ADJUSTMENT:
NONE
VERTICAL DATUM:
NAVD 88
PROJECT BENCHMARKS:
● POINT NUMBER 1
FOUND MAG NAIL AND WASHER STAMPED "NOS"
NORTHING = 547312.604
EASTING = 884724.492
OBSERVED ELEVATION = 1893.14
● POINT NUMBER 15
FOUND MAG NAIL AND WASHER STAMPED "NOS-C&GS"
NORTHING = 552113.160
EASTING = 879840.382
OBSERVED ELEVATION = 1874.76
- THE COORDINATES PRESENTED ARE SHOWN TO THREE DECIMAL PLACES FOR CALCULATION PURPOSES AND ARE NOT REPRESENTATIVE OF THE PRECISION OF THE SURVEY MEASUREMENTS.
- THIS IS NOT A PROPERTY BOUNDARY SURVEY.

LEGEND

- FOUND MONUMENT AS NOTED AND PROJECT BENCHMARK

REVISION	BY	DATE
PINAL AIRPARK		
DIBBLE PROJECT NO 101470		
RUNWAY 12-30		
REHABILITATION & REPAIR		
SURVEY CONTROL		
DRN: CSD	DES:	CK: JPG
DATE: 05.18.15	DATE:	DATE: 05.18.15
SCALE: 1" = 400'		DRAWING SHEET
		G1.2 3 OF 20



SECTION 33, TOWNSHIP 10 SOUTH, RANGE 10 EAST

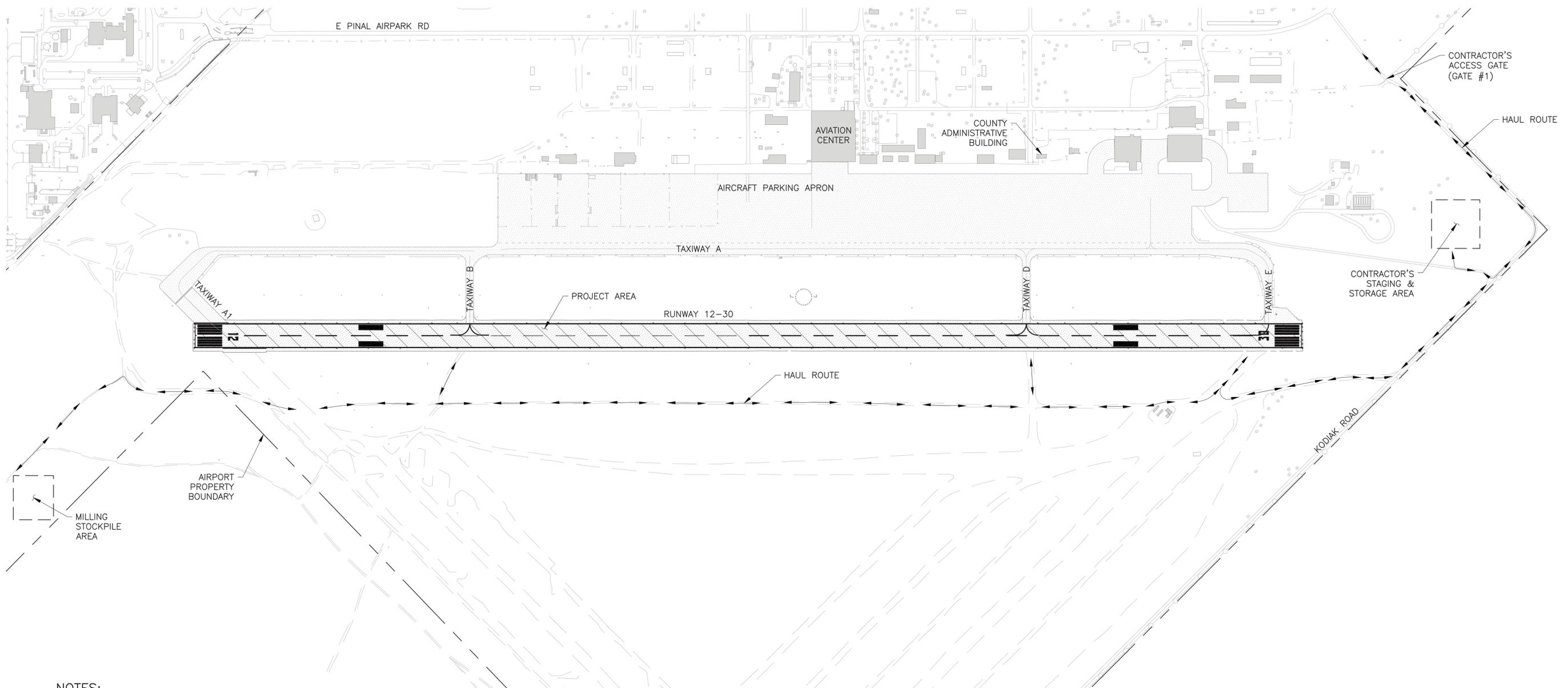
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P 602.957.1155



NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF HIS OWN EQUIPMENT. CONTRACTOR MAY INSTALL TEMPORARY FENCING AROUND THE CONTRACTOR'S STAGING AREA AT HIS OWN EXPENSE.
2. CONTRACTOR SHALL PROTECT ALL HAUL ROAD ACCESS POINTS TO THE AIRFIELD FROM UNAUTHORIZED ENTRY. CONTRACTOR IS REQUIRED TO POST GATE GUARD(S) AT AIRFIELD ENTRY GATES DURING CONTRACTOR'S WORKING HOURS (IF LEFT UNLOCKED).
3. CONTRACTOR IS RESPONSIBLE FOR THE REPAIR OF ANY HAUL ROADS USED AND ANY OTHER AREAS DISTURBED BY THE CONTRACTOR THAT ARE OUTSIDE THE PROJECT AREA LIMITS. REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE OWNER/AIRPORT AND/OR ENGINEER, AND SHALL BE AT THE CONTRACTOR'S EXPENSE.
4. THE OWNER MAY, AT HIS DISCRETION, REQUEST THAT THE CONTRACTOR PROVIDE A CROSSING GUARD ON THE AIRFIELD AT ALL ACTIVE CROSSINGS OF TAXIWAYS AND APRONS.
5. THE HAUL ROAD WITHIN THE AIR OPERATIONS AREA (AOA) IS SUBJECT TO CHANGE, AT THE OWNER'S DISCRETION, TO ACCOMMODATE AIRCRAFT MOVEMENTS.
6. CONTRACTOR SHALL ACCESS PROJECT AREA FROM THE WEST SIDE OF RUNWAY AND AVOID USE OF TAXIWAYS DURING CONSTRUCTION.
7. MILLINGS SHALL NOT BE STOCKPILED HIGHER THAN 4 FEET FROM THE EXISTING GROUND/GRADE.

REVISION	BY	DATE
PINAL AIRPARK		
DIBBLE PROJECT NO 101470		
RUNWAY 12-30 REHABILITATION & REPAIR		
AIRPORT & PROJECT SITE PLAN		
DRN: JHA	DES: CLA	CK: MJB
DATE: 5.19.15	DATE: 5.19.15	DATE: 5.19.15
SCALE: 1" = 300'		DRAWING SHEET
		G1.3 4 OF 20

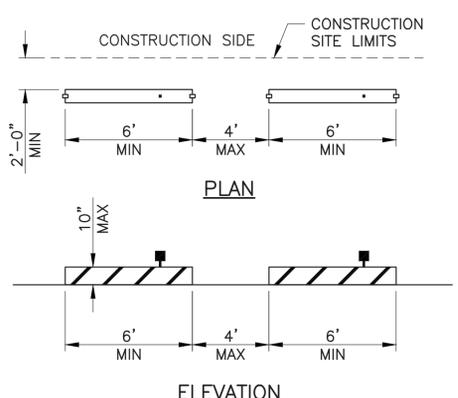
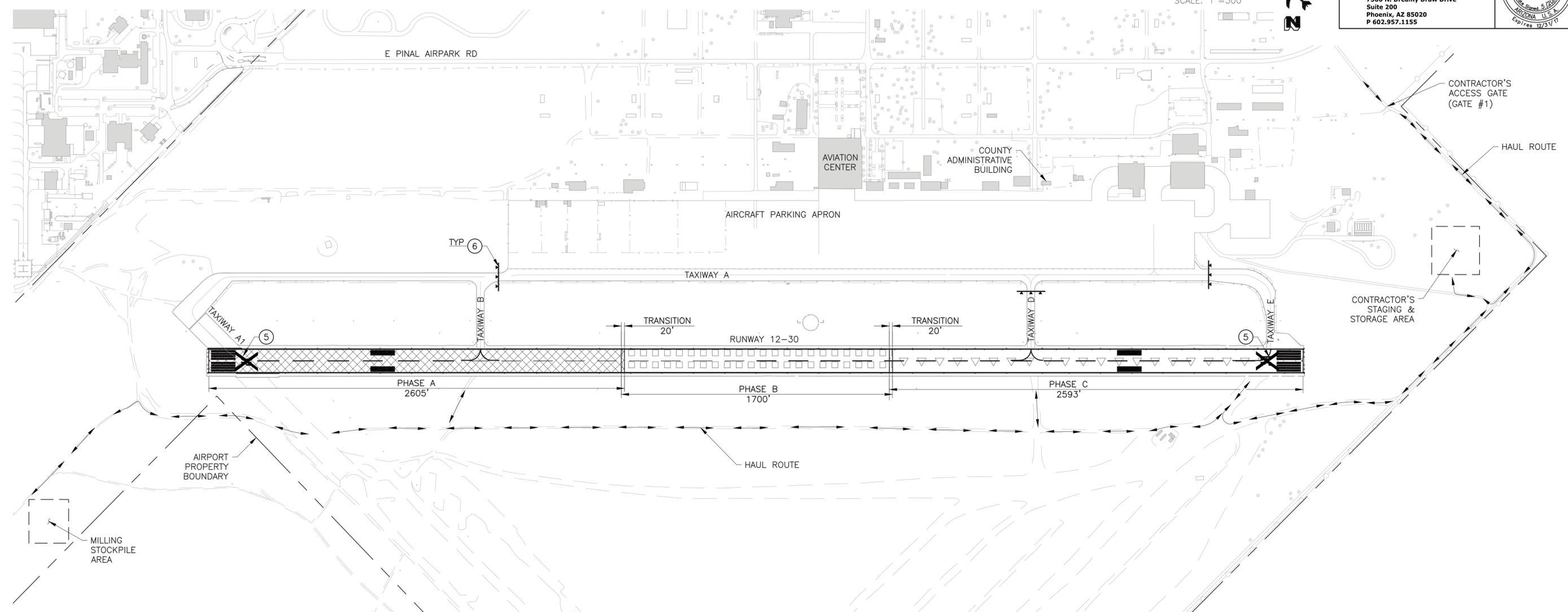
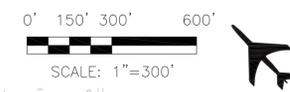


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AS BUILT DATE

Dibble Engineering

7500 N. Dreamy Draw Drive
Suite 200
Phoenix, AZ 85020
P 602.957.1155

NOTES:

1. LOW PROFILE BARRICADES AND LIGHTS SHALL BE PROVIDED AND MAINTAINED (DAY AND NIGHT) BY THE CONTRACTOR (NPI).
2. THE OWNER MAY DIRECT THE CONTRACTOR TO RELOCATE ANY BARRICADES AT THEIR DISCRETION.

LOW PROFILE BARRICADES
N.T.S.

LEGEND		CONSTRUCTION DURATION	
	PHASE A	11	CALENDAR DAYS (SUBSTANTIAL COMPLETION - BY AUGUST 11, 2015). REFER TO CONSTRUCTION PHASING NOTE 2, THIS SHEET.
	PHASE B	7	CALENDAR DAYS (SUBSTANTIAL COMPLETION - BY AUGUST 19, 2015). REFER TO CONSTRUCTION PHASING NOTE 2, THIS SHEET.
	PHASE C	11	CALENDAR DAYS (SUBSTANTIAL COMPLETION - BY AUGUST 31, 2015). REFER TO CONSTRUCTION PHASING NOTE 3, THIS SHEET.
	PHASE D		(DURING FINAL COMPLETION - SEPTEMBER 2-30, 2015) REFER TO CONSTRUCTION PHASING NOTE 9, THIS SHEET.
		31	TOTAL CALENDAR DAYS (SUBSTANTIAL COMPLETION - BY AUGUST 31, 2015)

CONSTRUCTION PHASING NOTES

1. THE CONTRACTOR IS MADE AWARE THAT CONSTRUCTION IS ANTICIPATED TO BEGIN ON AUGUST 1, 2015, AND THE CONTRACTOR SHALL BE PREPARED AS SUCH.
2. RUNWAY SHALL BE REOPENED BETWEEN PHASES FOR 1 DAY TO ALLOW AIRPORT OPERATIONS. RUNWAY MUST BE OPEN ON THE FOLLOWING DATES:
AUGUST 12, 2015
AUGUST 20, 2015
3. RUNWAY MUST BE REOPENED AND FULLY OPERATIONAL BY SEPTEMBER 1, 2015 AFTER SUBSTANTIAL COMPLETION OF THE ENTIRE PROJECT.
4. LOW PROFILE BARRICADES AND LIGHTED 'X'S SHALL BE REMOVED BETWEEN PHASES, DURING RUNWAY OPENINGS AND THEN REPOSITIONED PRIOR TO START OF NEXT PHASE.
5. LIGHTED 'X'S SHALL BE PLACED OVER RUNWAY DESIGNATION NUMBERS.
6. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN THE LIGHTED 'X'S DAY AND NIGHT.
7. REFER TO SHEET G1.6 FOR PHASE TRANSITION DETAILS.
8. THE DAY BEFORE EACH RUNWAY OPENING THE CONTRACTOR SHALL SCHEDULE A WALK OF THE RUNWAY WITH THE OWNER AND ENGINEER TO CONFIRM SUBSTANTIAL COMPLETION OF EACH PHASE, THE RUNWAY IS CLEAR OF ALL FOD, AND IS SUITABLE AND SAFE FOR ALL AIRCRAFT OPERATIONS.
9. DURING PHASES A, B, & C, PAVEMENT MARKINGS SHALL BE APPLIED AT 33% AND WITHOUT GLASS BEADS. 100% PAVEMENT MARKINGS & GLASS BEAD APPLICATION SHALL OCCUR DURING THE TIME PERIOD OF FINAL COMPLETION (PHASE D) AT MINIMUM 7 CALENDAR DAYS AFTER THE LAST DAY OF PAVING THE AREA. DATE OF STRIPING SHALL BE COORDINATED WITH THE AIRPORT ONE WEEK AHEAD OF TIME TO ISSUE NOTAM FOR RUNWAY CLOSURE. LIGHTED X'S WILL BE NECESSARY FOR THIS CLOSURE.
10. THE BIDDER/CONTRACTOR IS MADE AWARE THAT THE CONSTRUCTION PHASING AND PHASE DURATIONS SHOWN IN THE PROJECT PLANS REFLECT CONSTRUCTION AVAILABILITY AND CONSTRAINTS BASED ON THE MOST CURRENT INFORMATION AVAILABLE FROM USERS AND TENANTS AT PINAL AIRPARK AS OF THE DATE OF THIS INVITATION FOR BIDS. THE CONSTRUCTION PHASING AND THE TEMPORARY RE-OPENING OF RUNWAY 12-30 MAY BE MODIFIED THROUGHOUT THE CONSTRUCTION DURATION AT THE REQUEST OF THE USERS AND TENANTS OF PINAL AIRPARK THROUGH PINAL COUNTY STAFF, IN WHICH CASE SUCH REQUESTS WILL BE EVALUATED AND NEGOTIATED AS A CHANGE ORDER WITH THE CONTRACTOR. THE BIDDER/CONTRACTOR IS MADE AWARE THAT CONTRACTOR CHANGE ORDERS RESULTING FROM SUCH REQUESTS FROM USERS AND TENANTS OF PINAL AIRPARK WILL BE BORNE ENTIRELY BY THE ENTITY (TENANT, USER, ETC.) MAKING THE REQUEST, AND WILL BE PAID TO AND THROUGH PINAL COUNTY AS THE CONTRACTING AGENCY.

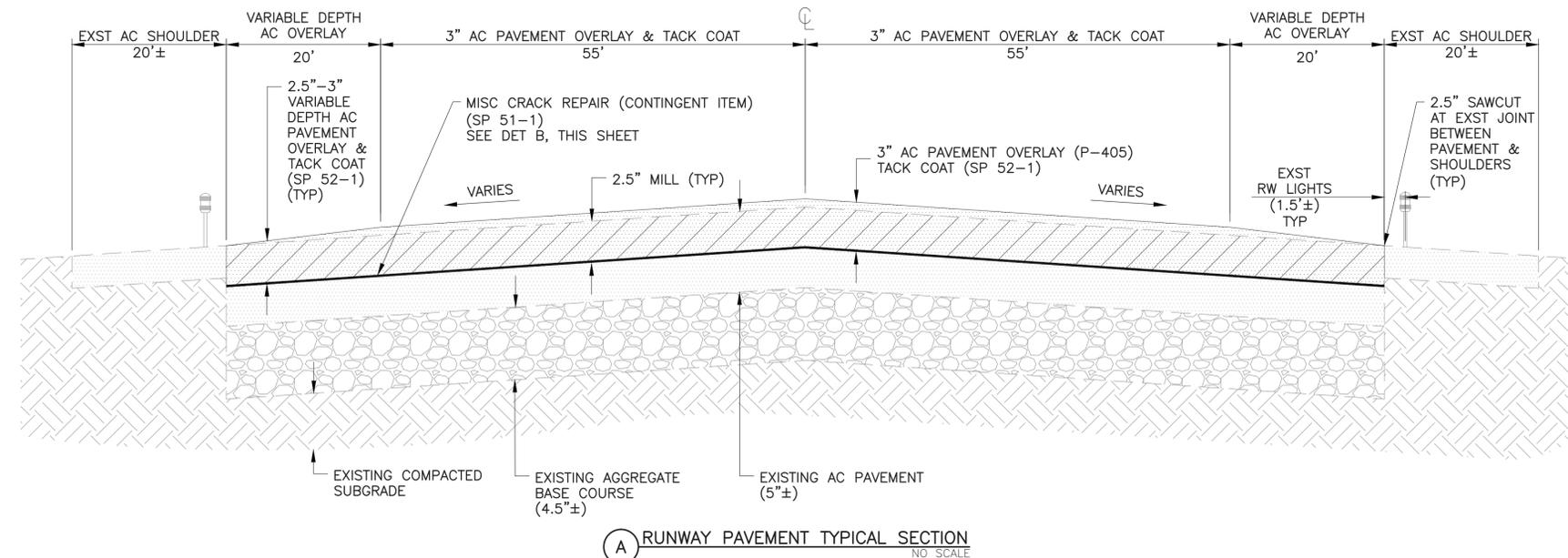
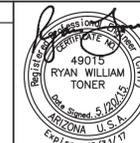
CONSTRUCTION NOTES		
⑤	LIGHTED 'X' FOR RUNWAY CLOSURE	NPI
⑥	LOW-PROFILE BARRICADES	NPI
LEGEND		
	LOW-PROFILE BARRICADES	
	LIGHTED 'X'	
	CONTRACTOR'S HAUL ROUTE	
REVISION		
	BY	DATE
PINAL AIRPARK		
DIBBLE PROJECT NO 101470		
RUNWAY 12-30		
REHABILITATION & REPAIR		
CONSTRUCTION PHASING PLAN		
DRN: JHA	DES: CLA	CK: MJB
DATE: 5.19.15	DATE: 5.19.15	DATE: 5.19.15
SCALE: 1" = 300'		DRAWING SHEET
		G1.4 5 OF 20



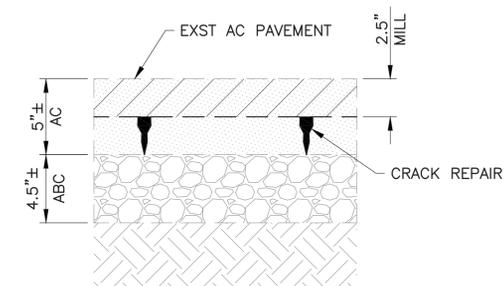
J:\A\2014\101470 PINAL_AIRPARK_RW_12-30_REHABILITATION\CAD\101470_G1-4.DWG, May, 20, 2015, 10:21 AM

AS BUILT DATE

Dibble Engineering
 7500 N. Dreamy Draw Drive
 Suite 200
 Phoenix, AZ 85020
 P 602.957.1155



(A) RUNWAY PAVEMENT TYPICAL SECTION
NO SCALE



(B) CRACK REPAIR (CONTINGENT ITEM)
NO SCALE

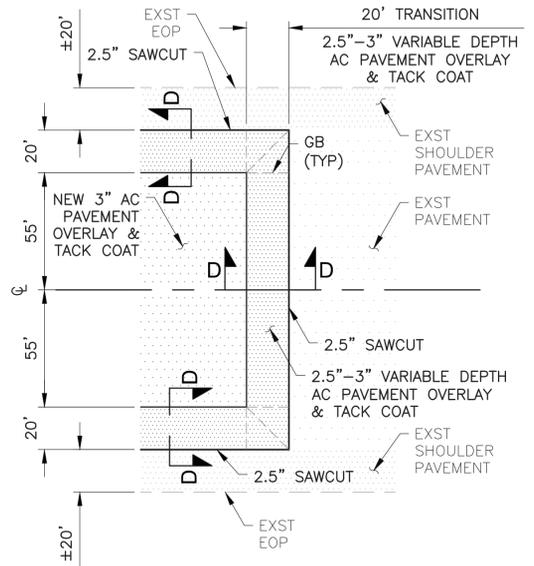
CRACK SEAL GENERAL NOTES:

1. CRACKS GREATER THAN 1/4" IN WIDTH SHALL NOT BE ROUTED, AND ONLY SEALED WITH CRACK SEALANT MATERIAL. THIS IS A CONTINGENT ITEM. THE APPLICATION AND RESPECTIVE QUANTITY SHALL BE COORDINATED WITH THE RESIDENT ENGINEER AND OWNER BEFORE THE WORK CAN BE PERFORMED.
2. CRACK REPAIR SHALL BE CONSTRUCTED IN SUCH A MANNER THAT THE REPAIR MATERIAL IS FLUSH WITH THE EXISTING PAVEMENT AFTER 2.5" MILL REPAIRS THAT "RAISE OR SAG" MORE THAN 1/8" FROM THE PAVEMENT SURFACE SHALL BE REMOVED AND REPAIRED PER THE DETAILS AT NO ADDITIONAL COST TO THE OWNER.
3. THE CONTRACTOR SHALL REPAIR CRACKS REGARDLESS OF WHETHER THEY HAVE BEEN PREVIOUSLY SEALED OR NOT EXCEPT IF THE EXISTING CRACK SEAL MATERIAL IS STILL PLIABLE AND HAS NOT BEEN SEPARATED FROM THE PAVEMENT EDGES, AND AT THE APPROVAL OF THE RESIDENT ENGINEER.
4. WORK TO BE PERFORMED ON CRACKS THAT ALREADY HAVE CRACK SEAL MATERIAL MUST BE APPROVED BY THE RESIDENT ENGINEER PRIOR TO THE WORK BEING COMPLETED.
5. FOR CRACKS WITH EXISTING CRACK SEAL MATERIAL THAT HAVE BEEN APPROVED BY THE RESIDENT ENGINEER TO BE REPAIRED, THE EXISTING CRACK SEAL MATERIAL SHALL BE COMPLETELY REMOVED FROM THE EXISTING CRACK.
6. ALL CRACKS SHALL BE REPAIRED PER DETAIL B, THIS SHEET, AND IN ACCORDANCE WITH SPECIAL PROVISION SECTION 51. ALL CRACKS SHALL BE THOROUGHLY CLEANED BY COMPRESSED AIR. CRACK SEAL MATERIAL SHALL BE A HOT APPLIED MATERIAL THAT MEETS ASTM D 6690 AND BE A SELF-LEVELING, NON-EXPANSIVE MATERIAL. ANY OTHER METHOD MUST BE APPROVED BY THE ENGINEER.
7. THE CONTRACTOR SHALL THOROUGHLY CLEAN ALL JOINTS, REMOVING ALL LOOSE MATERIAL, AND SHALL SWEEP AND/OR VACUUM THE DEBRIS IMMEDIATELY AFTER CLEANING TO ELIMINATE THE POTENTIAL OF FOREIGN OBJECT DEBRIS (FOD) ON THE AIRPORT.
8. ALL QUANTITIES SHALL BE MEASURED BY THE CONTRACTOR AND RESIDENT ENGINEER AND APPROVED BY THE COUNTY PRIOR TO THE WORK BEING PERFORMED.
9. ALL CRACKS IDENTIFIED TO BE REPAIRED SHALL BE COMPLETED BEFORE THE APPLICATION OF TACK COAT.

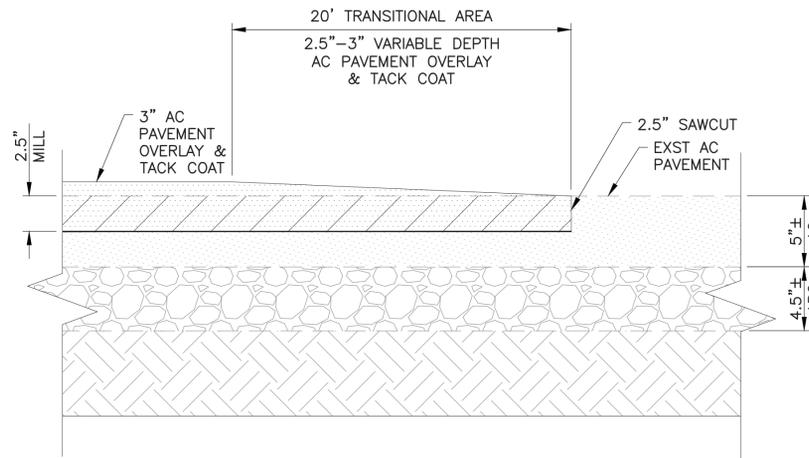


REVISION	BY	DATE
PINAL AIRPARK		
DIBBLE PROJECT NO 101470		
RUNWAY 12-30 REHABILITATION & REPAIR		
TYPICAL SECTIONS		
DRN: JHA	DES: CLA	CK: MJB
DATE: 5.19.15	DATE: 5.19.15	DATE: 5.19.15
SCALE:	G1.5	6 OF 20

J:\A\2014\101470 PINAL_AIRPARK_RW_12-30_REHABILITATION\CAD\101470_G1-5.DWG_Mdyr_20_2015_10:21 AM



(A) TRANSITIONAL AC PAVEMENT PLAN VIEW
 NO SCALE

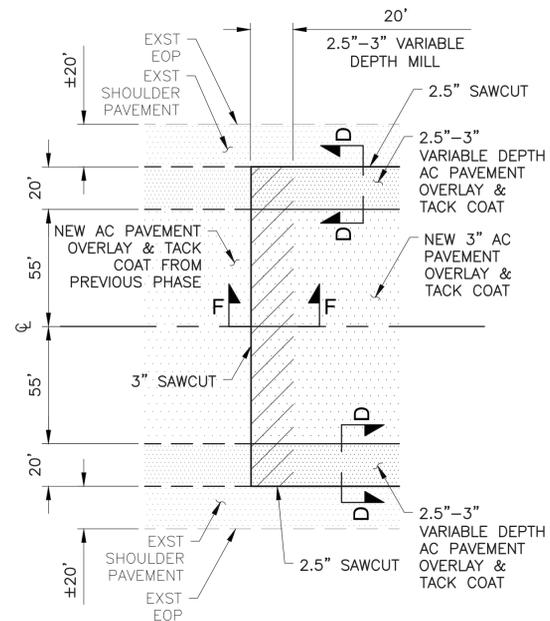


(B) SECTION D-D - ENLARGED SECTION VIEW
 NO SCALE

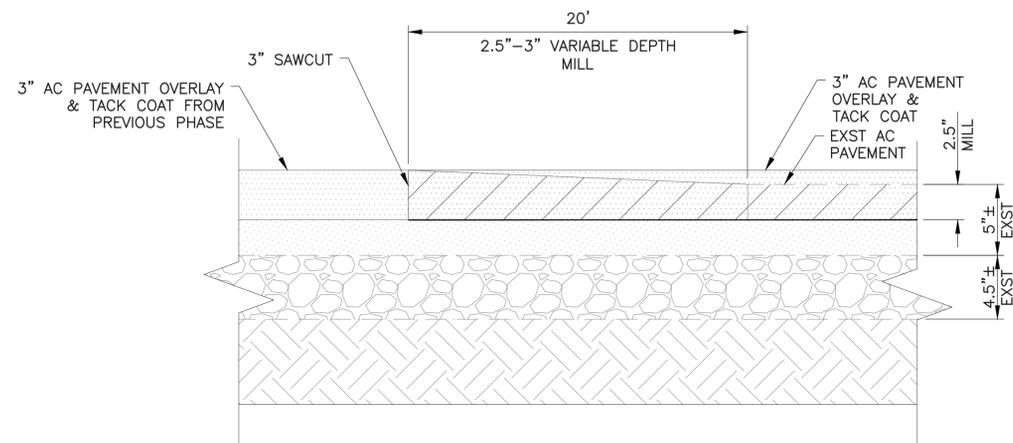
NOTE:

1. CONTRACTOR SHALL APPLY TEMPORARY PAVEMENT MARKINGS ON 20'-WIDE TRANSITION AREA. SEE PAVEMENT MARKING PLAN, SHEETS C3.1 TO C3.3. FOR 20'-WIDE TRANSITIONAL AREA, TRANSITION NEW PAVEMENT MARKINGS TO MATCH INTO EXISTING PAVEMENT MARKINGS AT SAWCUT BOUNDARY.
2. TEMPORARY MARKINGS CAN BE APPLIED WITH A 33% APPLICATION RATE PER TECHNICAL SPECIFICATION P-620. GLASS BEADS ARE NOT REQUIRED ON ANY TEMPORARY PAVEMENT MARKINGS.
3. THERE IS NO SEPARATE MEASUREMENT OR PAYMENT FOR ANY TEMPORARY PAVEMENT MARKINGS REQUIRED FOR THE TRANSITION SECTIONS IDENTIFIED ON THE PLANS, AND SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. THE QUANTITIES OF PAVEMENT MARKINGS PROVIDED IN THE BID SCHEDULE DO NOT INCLUDE THE QUANTITIES OF TEMPORARY PAVEMENT MARKINGS.
4. REFER TO SHEET G1.5 FOR RUNWAY PAVEMENT TYPICAL SECTION.

**20'-WIDE TRANSITION AREA - END OF PHASE
 (PHASES A & B)**



(C) AC PAVEMENT PLAN @ TRANSITIONAL MILL
 NO SCALE



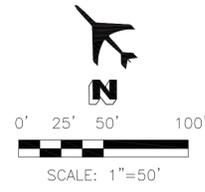
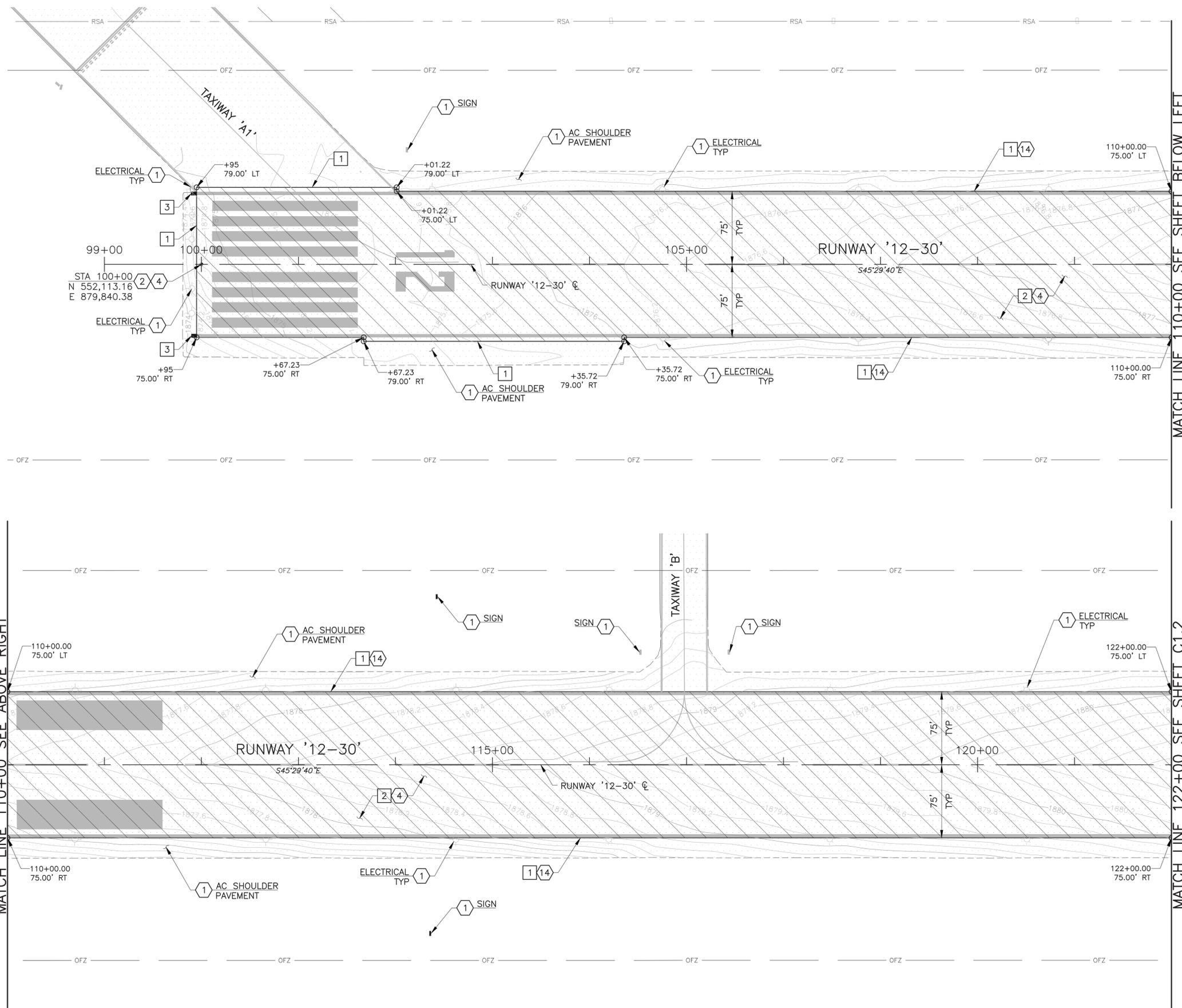
(D) SECTION F-F - ENLARGED SECTION VIEW
 NO SCALE

**20'-WIDE TRANSITION AREA - BEGINNING OF PHASE
 (PHASES B & C)**

REVISION	BY	DATE
PINAL AIRPARK		
DIBBLE PROJECT NO 101470		
RUNWAY 12-30		
REHABILITATION & REPAIR		
PHASE TRANSITION DETAILS		
DRN: JHA	DES: CLA	CK: MJB
DATE: 5.19.15	DATE: 5.19.15	DATE: 5.19.15
SCALE:	G1.6	7 OF 20



J:\A\2014\101470 PINAL_ABPARK_BW_12-30_REHABILITATION\CAD\101470_C1-X.DWG, May, 20, 2015, 10:23 AM



AS BUILT DATE

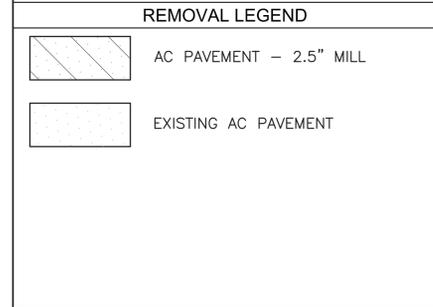
Dibble Engineering

7500 N. Dreamy Draw Drive
Suite 200
Phoenix, AZ 85020
P 602.957.1155

REMOVAL NOTES		
1	SAWCUT EXST AC PAVEMENT (2.5-INCH DEPTH)	4,576 LF
2	MILL EXST AC PAVEMENT (2.5-INCH DEPTH)	36,961 SY
3	OBLITERATE PAVEMENT MARKING	NPI

REFERENCE NOTES		
1	PROTECT IN PLACE	
2	CONTRACTOR TO REPLACE SURVEY MONUMENT AFTER PAVING OPERATIONS	
4	REFER TO SHEET C2.1 FOR GRADING AND PAVING PLAN	
14	SAWCUT IS ANTICIPATED AT EXISTING PAVEMENT JOINT BETWEEN STRUCTURAL AND SHOULDER PAVEMENT	

REMOVAL LEGEND		
	AC PAVEMENT - 2.5" MILL	
	EXISTING AC PAVEMENT	



REVISION	BY	DATE

PINAL AIRPARK

DIBBLE PROJECT NO 101470

**RUNWAY 12-30
REHABILITATION & REPAIR**

DEMOLITION PLAN
STA 99+00 - STA 122+00

DRN: JHA	DES: CLA	CK: MJB	DRAWING	SHEET
DATE: 5.19.15	DATE: 5.19.15	DATE: 5.19.15	C1.1	8 OF 20

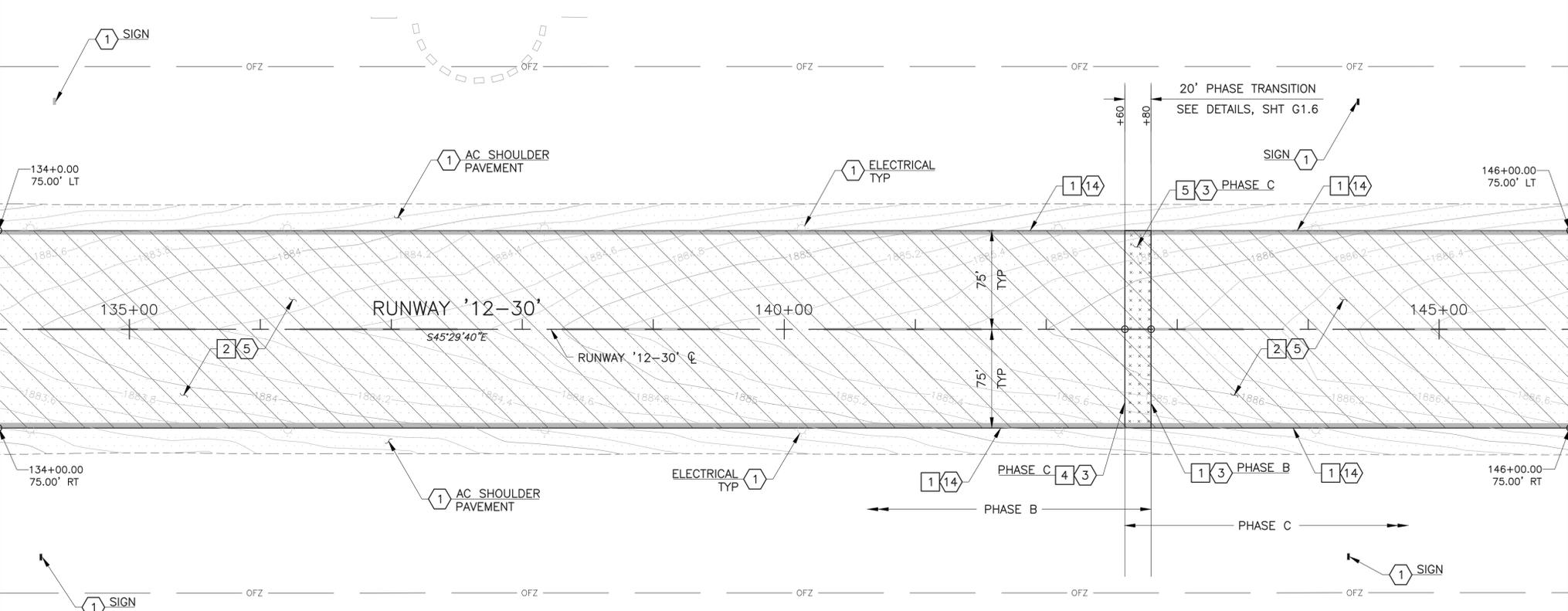
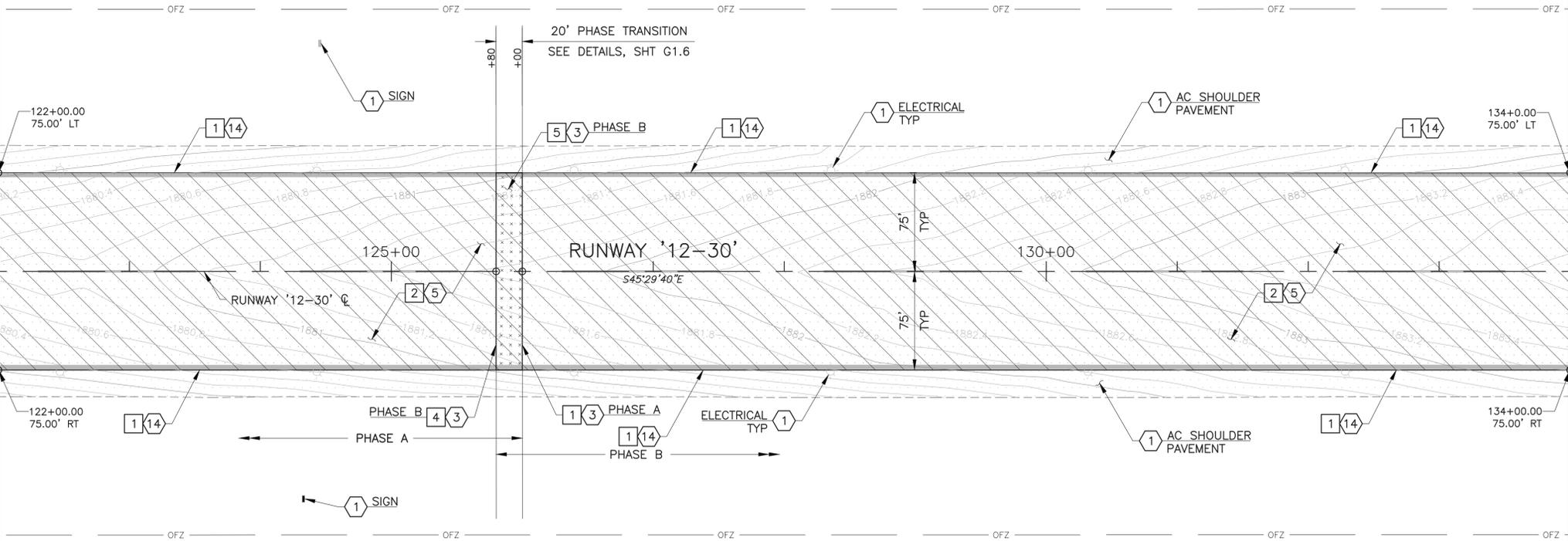
SCALE: 1" = 50'



A:\2014\101470 PINAL_AIRPARK RW 12-30_REHABILITATION\CAD\101470_C1-X.DWG, May, 20, 2015, 10:23 AM

MATCH LINE 122+00 SEE SHEET C1.1

MATCH LINE 134+00 SEE ABOVE RIGHT



MATCH LINE 134+00 SEE SHEET BELOW LEFT

MATCH LINE 146+00 SEE SHEET C1.3

AS BUILT DATE

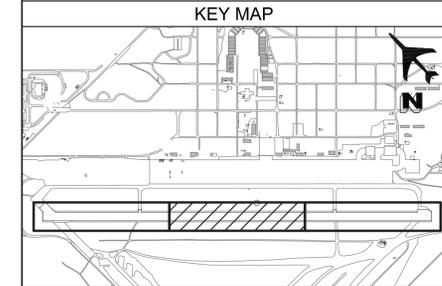
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Phoenix, AZ 85020
P 602.957.1155

REMOVAL NOTES		
1	SAWCUT EXST AC PAVEMENT (2.5-INCH DEPTH)	5,180 LF
2	MILL EXST AC PAVEMENT (2.5-INCH DEPTH)	40,000 SY
4	SAWCUT TRANSITION AC PAVEMENT (3-INCH DEPTH)	300 LF
5	MILL TRANSITION AC PAVEMENT (2.5 TO 3-INCH VARIABLE DEPTH)	668 SY

REFERENCE NOTES	
1	PROTECT IN PLACE
3	REFER TO SHEET G1.6 FOR PHASE TRANSITION DETAILS
5	REFER TO SHEET C2.2 FOR GRADING AND PAVING PLAN
14	SAWCUT IS ANTICIPATED AT EXISTING PAVEMENT JOINT BETWEEN STRUCTURAL AND SHOULDER PAVEMENT

REMOVAL LEGEND	
	AC PAVEMENT - 2.5" MILL
	EXISTING AC PAVEMENT
	TRANSITION PAVEMENT SECTION (2.5"-3" VARIABLE MILL)



REVISION	BY	DATE

PINAL AIRPARK

DIBBLE PROJECT NO 101470

RUNWAY 12-30

REHABILITATION & REPAIR

DEMOLITION PLAN

STA 122+00 - STA 146+00

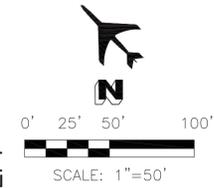
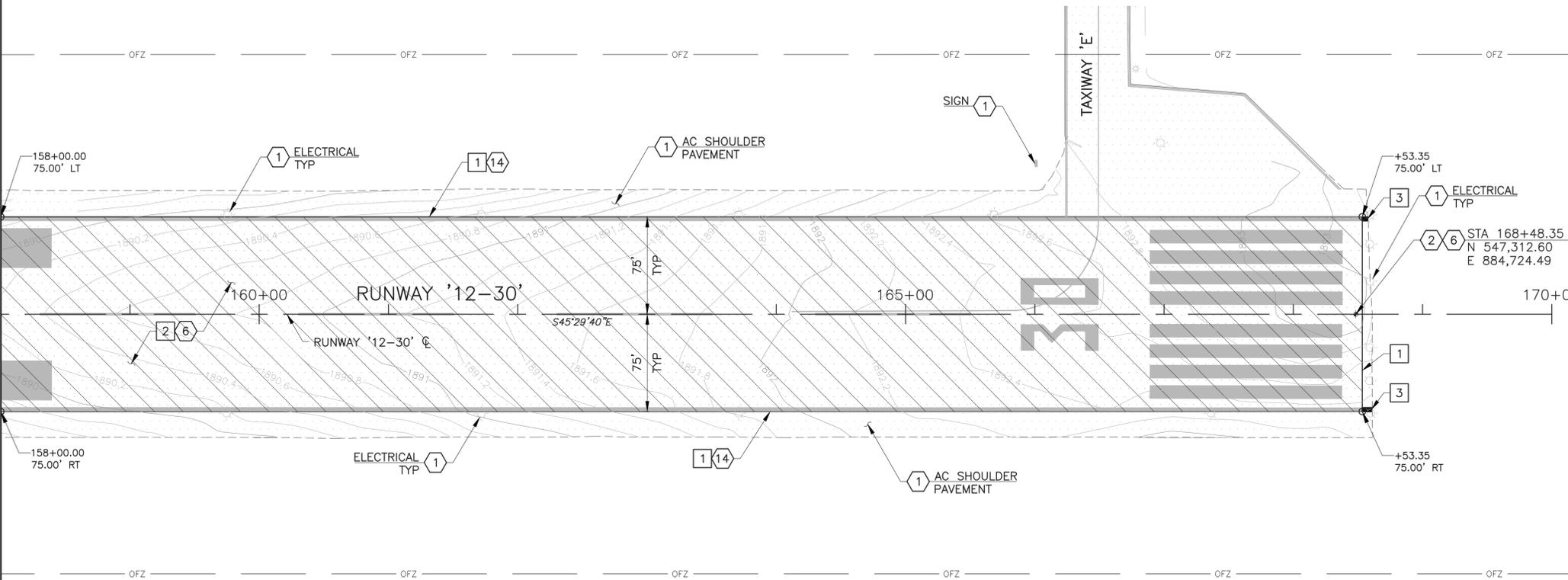
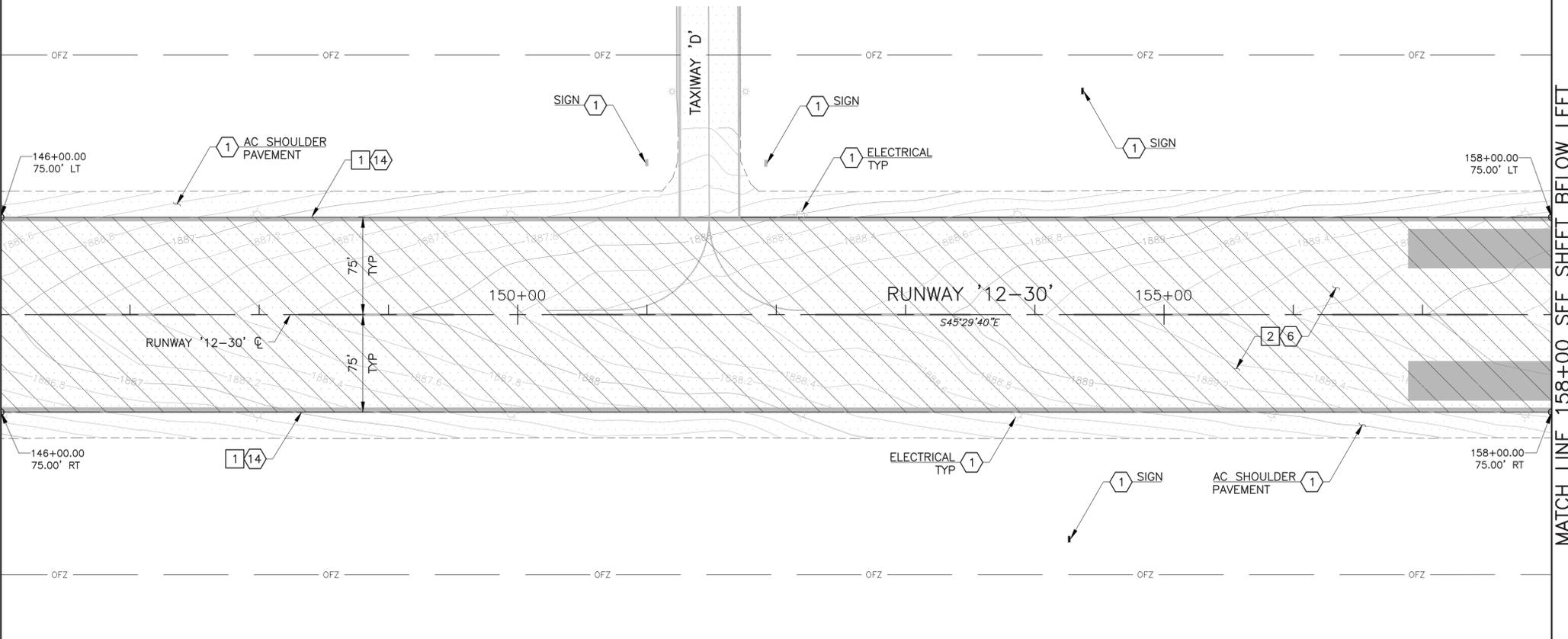
DRN: JHA	DES: CLA	CK: MJB	DRAWING	SHEET
DATE: 5.19.15	DATE: 5.19.15	DATE: 5.19.15	C1.2	9 OF 20



J:\A\2014\101470 PINAL_AIRPARK_RW_12-30_REHABILITATION\CAD\101470_C1-X.DWG, May, 20, 2015, 10:24 AM

MATCH LINE 146+00 SEE SHEET C1.2

MATCH LINE 158+00 SEE ABOVE RIGHT



AS BUILT DATE

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Phoenix, AZ 85020
P 602.957.1155

REMOVAL NOTES		
1	SAWCUT EXST AC PAVEMENT (2.5-INCH DEPTH)	4,657 LF
2	MILL EXST AC PAVEMENT (2.5-INCH DEPTH)	37,556 SY
3	OBLITERATE PAVEMENT MARKING	NPI

REFERENCE NOTES		
1	PROTECT IN PLACE	
2	CONTRACTOR TO REPLACE SURVEY MONUMENT AFTER PAVING OPERATIONS	
6	REFER TO SHEET C2.3 FOR GRADING AND PAVING PLAN	
14	SAWCUT IS ANTICIPATED AT EXISTING PAVEMENT JOINT BETWEEN STRUCTURAL AND SHOULDER PAVEMENT	

REMOVAL LEGEND		
	AC PAVEMENT - 2.5" MILL	
	EXISTING AC PAVEMENT	

KEY MAP		

REVISION	BY	DATE

PINAL AIRPARK

DIBBLE PROJECT NO 101470

RUNWAY 12-30

REHABILITATION & REPAIR

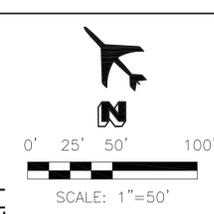
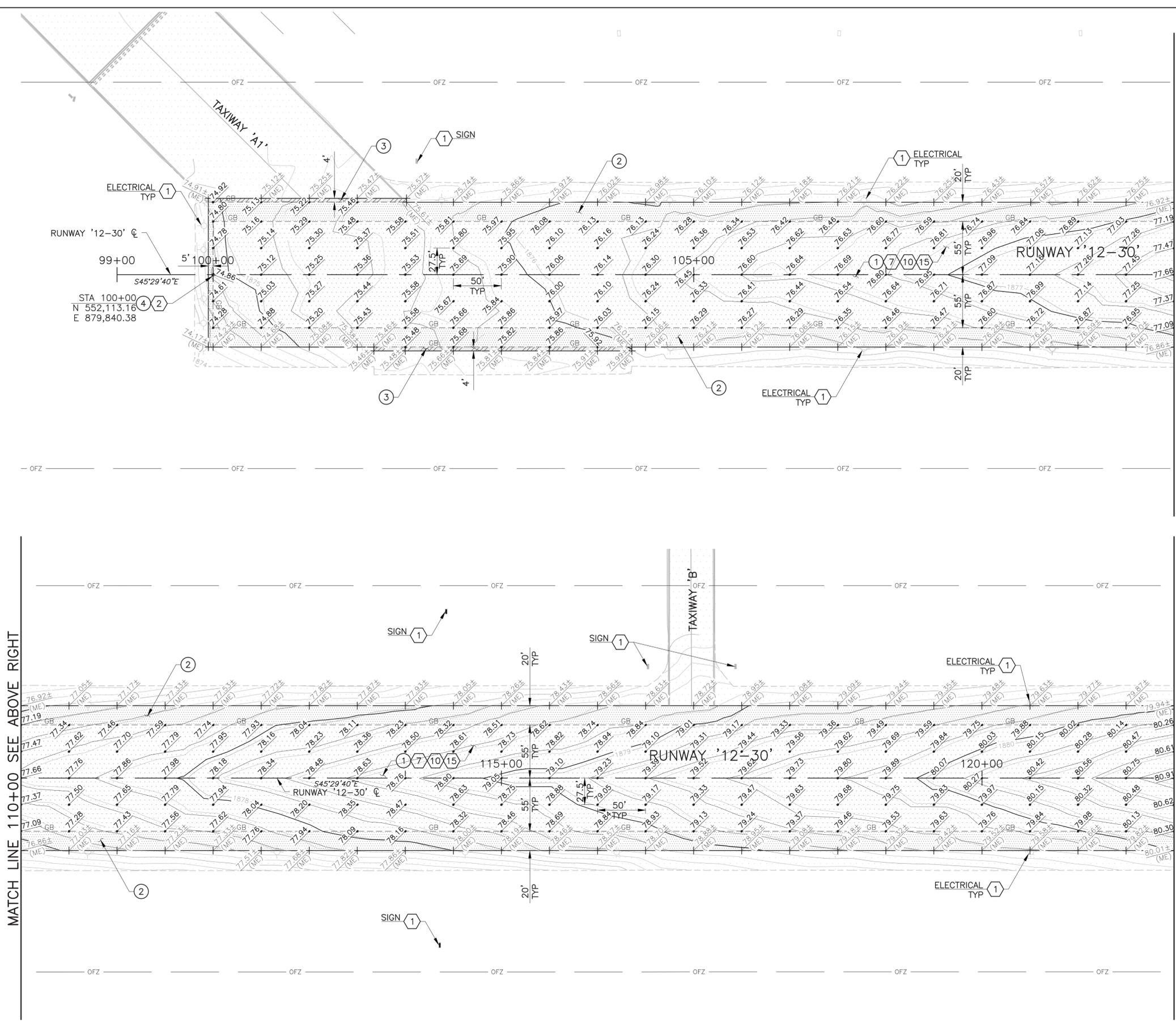
DEMOLITION PLAN

STA 146+00 - STA 170+00

DRN: JHA	DES: CLA	CK: MJB	DRAWING	SHEET
DATE: 5.19.15	DATE: 5.19.15	DATE: 5.19.15	C1.3	10 OF 20



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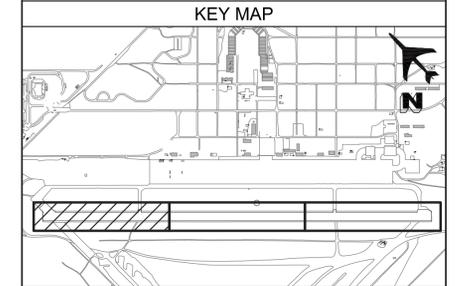
Dibble Engineering

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Suite 200
Phoenix, AZ 85020
P 602.957.1155

CONSTRUCTION NOTES	
①	3" AC PAVEMENT OVERLAY 26,889 SY
②	2.5"-3" VARIABLE DEPTH AC PAVEMENT OVERLAY 9,862 SY
③	2.5" AC PAVEMENT OVERLAY 212 SY
④	RW END MONUMENT (SP 53) 1 EA

REFERENCE NOTES	
①	PROTECT IN PLACE
②	CONTRACTOR TO REPLACE SURVEY MONUMENT AFTER PAVING OPERATIONS
⑦	REFER TO SHEET C1.1 FOR DEMOLITION PLAN
⑩	REFER TO SHEET C3.1 FOR PAVEMENT MARKING PLAN
⑮	REFER TO SHEET G1.5 FOR TYPICAL SECTION

PAVEMENT LEGEND	
	3" AC PAVEMENT OVERLAY
	2.5"- 3" VARIABLE DEPTH AC PAVEMENT
	2.5" AC PAVEMENT OVERLAY
	EXISTING AC PAVEMENT
	NEW FINISHED PAVEMENT GRADE (+1800)
	EXISTING PAVEMENT GRADE (+1800)
	MATCH EXISTING
	EXISTING CONTOURS
	PROPOSED CONTOURS



REVISION	BY	DATE

PINAL AIRPARK

DIBBLE PROJECT NO 101470

RUNWAY 12-30 REHABILITATION & REPAIR

GRADING AND PAVING PLAN
STA 99+00 - STA 122+00

DRN: JHA	DES: CLA	CK: MJB	DRAWING	SHEET
DATE: 5.19.15	DATE: 5.19.15	DATE: 5.19.15	C2.1	11 OF 20



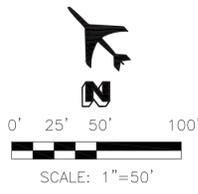
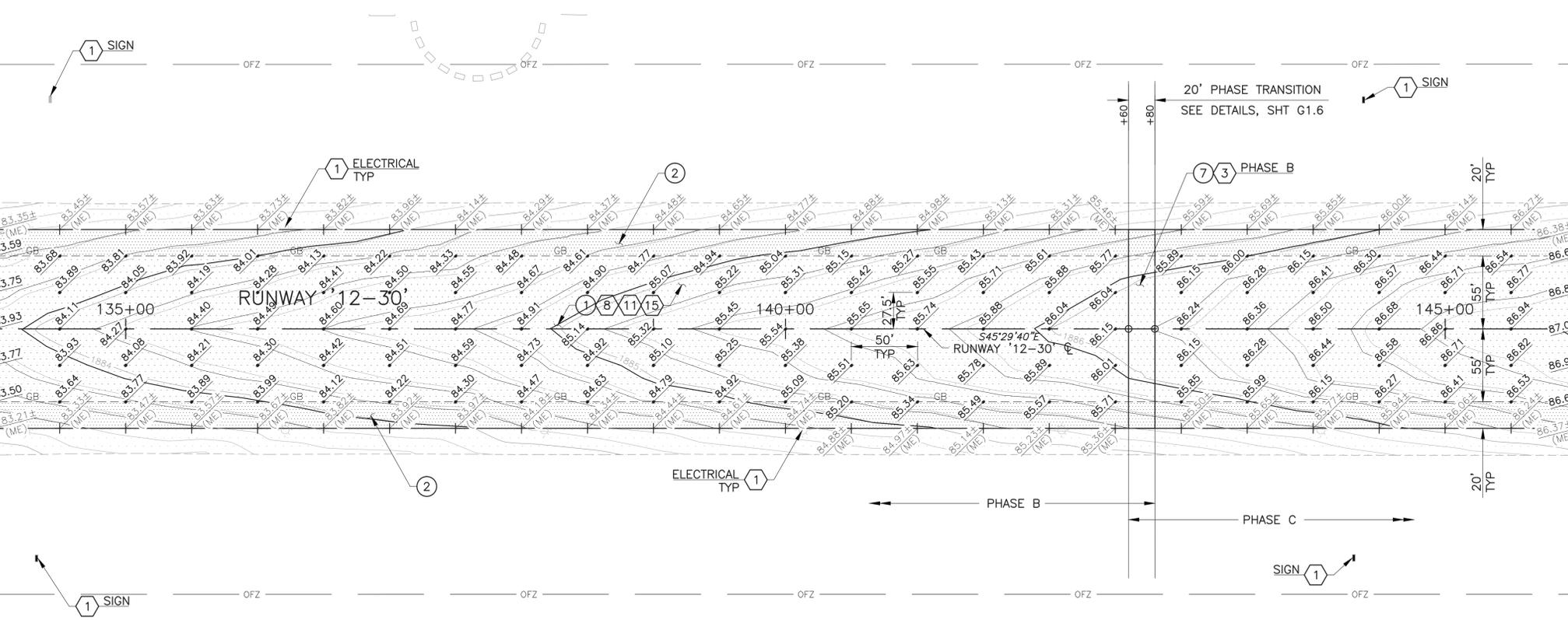
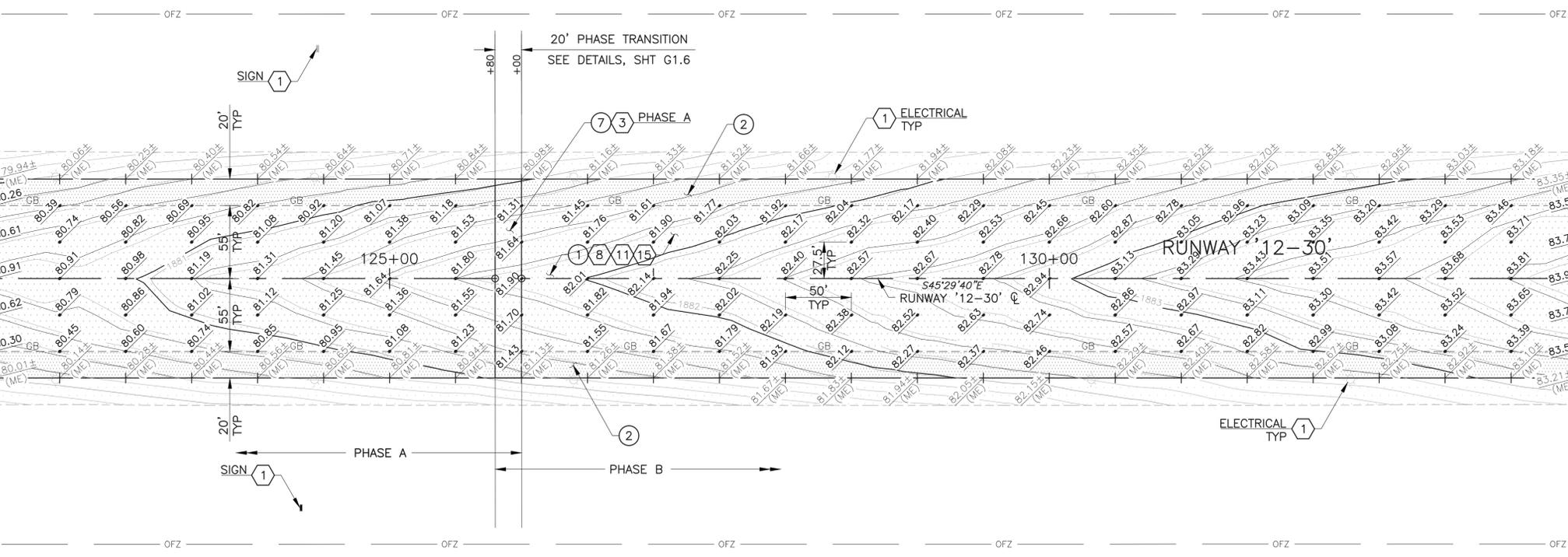
A:\2014\101470 PINAL_ABPARK RW 12-30_REHABILITATION\CAD\101470_C2-X.DWG, May, 20, 2015, 10:26 AM

MATCH LINE 122+00 SEE SHEET C2.1

MATCH LINE 134+00 SEE ABOVE RIGHT

MATCH LINE 134+00 SEE SHEET BELOW LEFT

MATCH LINE 146+00 SEE SHEET C2.3



AS BUILT DATE

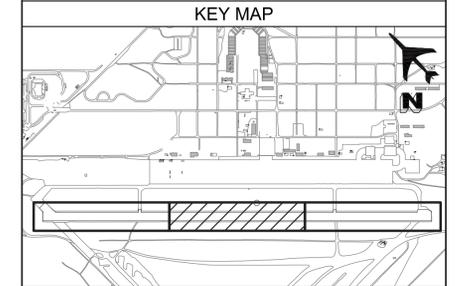
Dibble Engineering

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Suite 200
Phoenix, AZ 85020
P 602.957.1155

CONSTRUCTION NOTES	
①	3" AC PAVEMENT OVERLAY 29,334 SY
②	2.5"-3" VARIABLE DEPTH AC PAVEMENT OVERLAY 10,667 SY
⑦	TRANSITION AC PAVEMENT OVERLAY (2.5"-3" VARIABLE DEPTH AC) 668 SY

REFERENCE NOTES	
①	PROTECT IN PLACE
③	REFER TO SHEET G1.6 FOR PHASE TRANSITION DETAILS
⑧	REFER TO SHEET C1.2 FOR DEMOLITION PLAN
⑪	REFER TO SHEET C3.2 FOR PAVEMENT MARKING PLAN
⑮	REFER TO SHEET G1.5 FOR TYPICAL SECTION

PAVEMENT LEGEND	
	3" AC PAVEMENT OVERLAY
	2.5"- 3" VARIABLE DEPTH AC PAVEMENT
	EXISTING AC PAVEMENT
	NEW FINISHED PAVEMENT GRADE (+1800)
	EXISTING PAVEMENT GRADE (+1800)
	MATCH EXISTING
	EXISTING CONTOURS
	EXISTING CONTOURS
	PROPOSED CONTOURS
	PROPOSED CONTOURS



REVISION	BY	DATE

PINAL AIRPARK

DIBBLE PROJECT NO 101470

RUNWAY 12-30

REHABILITATION & REPAIR

GRADING AND PAVING PLAN
STA 122+00 - STA 146+00

DRN: JHA	DES: CLA	CK: MJB	DRAWING	SHEET
DATE: 5.19.15	DATE: 5.19.15	DATE: 5.19.15	C2.2	12 OF 20

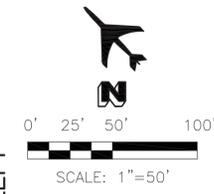
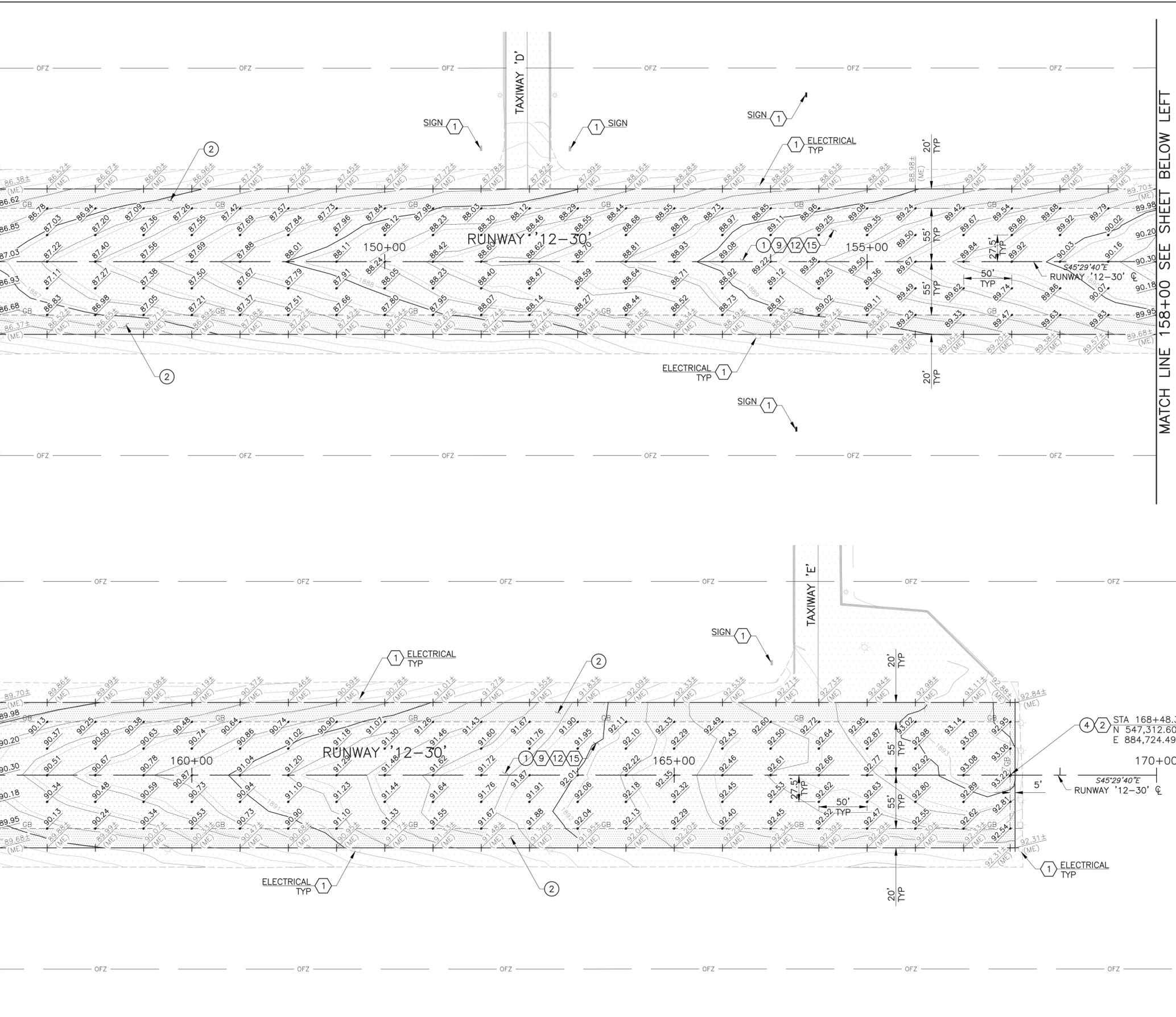
SCALE: 1" = 50'



\\A\2014\101470\PINAL_ABPARK_BW_12-30_REHABILITATION\CAD\101470_C2-X.DWG, May 20, 2015, 10:27 AM

MATCH LINE 146+00 SEE SHEET C2.2

MATCH LINE 158+00 SEE ABOVE RIGHT



AS BUILT DATE

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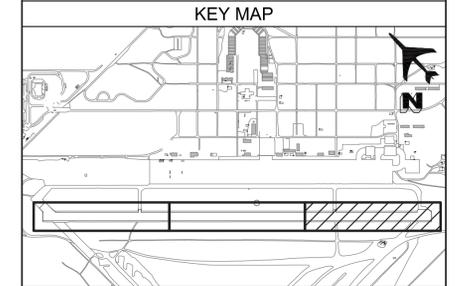
7500 N. Dreamy Draw Drive
Suite 200
Phoenix, AZ 85020
P 602.957.1155

- CONSTRUCTION NOTES**
- ① 3" AC PAVEMENT OVERLAY 27,480 SY
 - ② 2.5"-3" VARIABLE DEPTH AC PAVEMENT OVERLAY 10,076 SY
 - ④ RW END MONUMENT (SP 53) 1 EA

- REFERENCE NOTES**
- ① PROTECT IN PLACE
 - ② CONTRACTOR TO REPLACE SURVEY MONUMENT AFTER PAVING OPERATIONS
 - ⑨ REFER TO SHEET C1.3 FOR DEMOLITION PLAN
 - ⑫ REFER TO SHEET C3.3 FOR PAVEMENT MARKING PLAN
 - ⑮ REFER TO SHEET G1.5 FOR TYPICAL SECTION

PAVEMENT LEGEND

- 3" AC PAVEMENT OVERLAY
- 2.5"- 3" VARIABLE DEPTH AC PAVEMENT
- EXISTING AC PAVEMENT
- NEW FINISHED PAVEMENT GRADE (+1800)
- EXISTING PAVEMENT GRADE (+1800)
- MATCH EXISTING
- EXISTING CONTOURS
- EXISTING CONTOURS
- EXISTING CONTOURS
- PROPOSED CONTOURS



REVISION	BY	DATE

PINAL AIRPARK

DIBBLE PROJECT NO 101470

**RUNWAY 12-30
REHABILITATION & REPAIR**

GRADING AND PAVING PLAN
STA 146+00 - STA 170+00

DRN: JHA	DES: CLA	CK: MJB	DRAWING	SHEET
DATE: 5.19.15	DATE: 5.19.15	DATE: 5.19.15	C2.3	13 OF 20

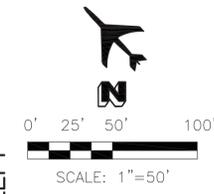
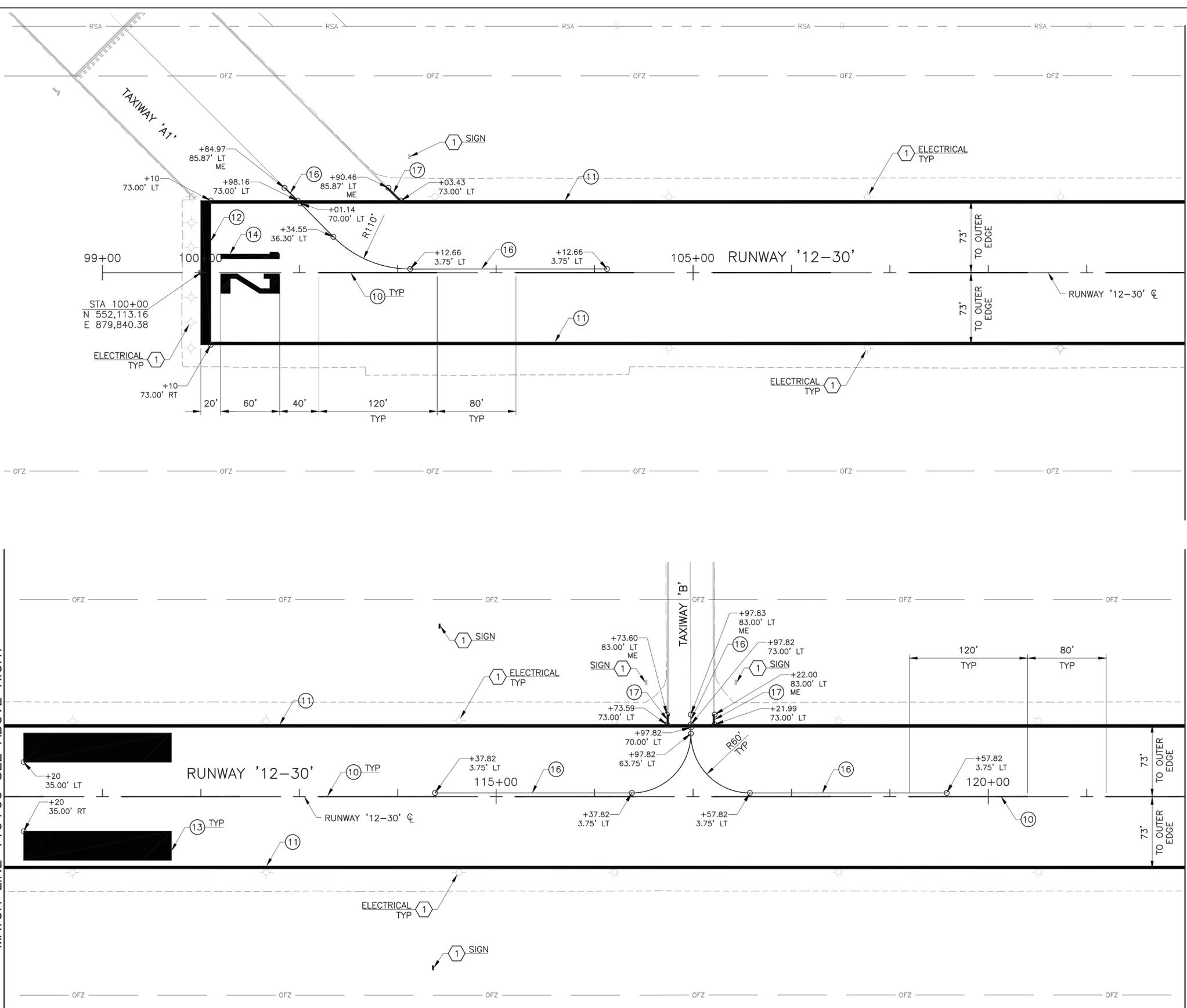


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MATCH LINE 110+00 SEE ABOVE RIGHT

MATCH LINE 110+00 SEE SHEET BELOW LEFT

MATCH LINE 122+00 SEE SHEET C3.2



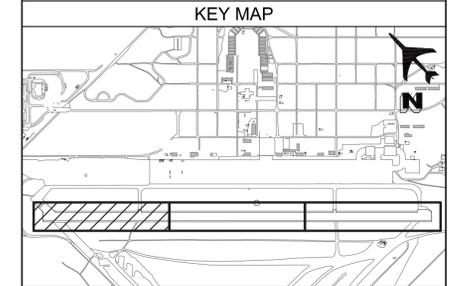
AS BUILT DATE

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7500 N. Dreamy Draw Drive
Suite 200
Phoenix, AZ 85020
P 602.957.1155

CONSTRUCTION NOTES		
10	RW CENTERLINE MARKING SHT C3.4, DET 1	1,280 LF
11	RW EDGE MARKING SHT C3.4, DET 2	4,380 LF
12	RW THRESHOLD BAR SHT C3.4, DET 3	146 LF
13	RW AIMING POINT MARKING SHT C3.4, DET 4	2 EA
14	RW '12' DESIGNATION MARKING SHT C3.4, DET 6	1 EA
16	TW CENTERLINE MARKING SHT C3.4, DET 7	957 LF
17	TW EDGE MARKING SHT C3.4, DET 8	39 LF

REFERENCE NOTES	
1	PROTECT IN PLACE



REVISION	BY	DATE

PINAL AIRPARK

DIBBLE PROJECT NO 101470

**RUNWAY 12-30
REHABILITATION & REPAIR**

PAVEMENT MARKING PLAN
STA 99+00 - STA 122+00

DRN: JHA	DES: CLA	CK: MJB	DRAWING	SHEET
DATE: 5.19.15	DATE: 5.19.15	DATE: 5.19.15	C3.1	14 OF 20

SCALE: 1" = 50'



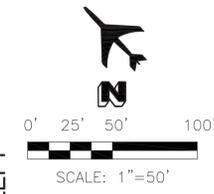
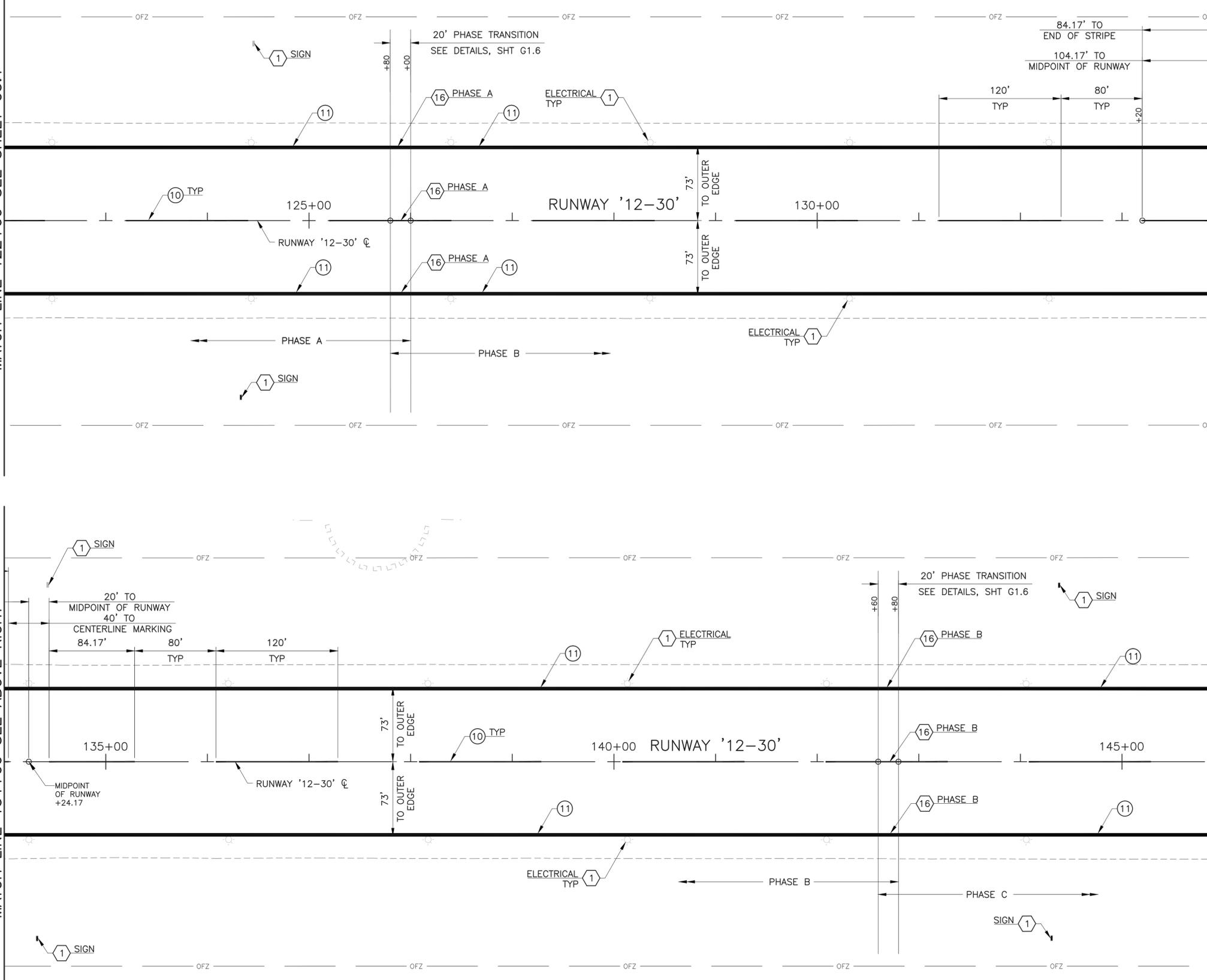
J:\A\2014\101470 PINAL_AIRPARK RW 12-30_REHABILITATION\CAD\101470_C3-X.DWG, May, 20, 2015, 10:28 AM

MATCH LINE 122+00 SEE SHEET C3.1

MATCH LINE 134+00 SEE ABOVE RIGHT

MATCH LINE 134+00 SEE SHEET BELOW LEFT

MATCH LINE 146+00 SEE SHEET C3.3



AS BUILT DATE

Dibble Engineering

7500 N. Dreamy Draw Drive
Suite 200
Phoenix, AZ 85020
P 602.957.1155

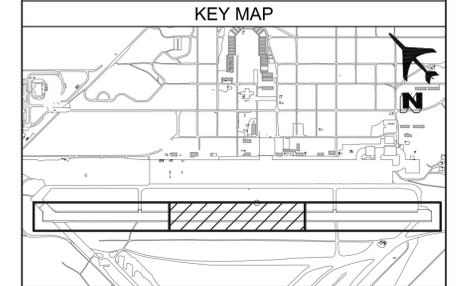
49015 RYAN WILLIAM TONER
Professional Engineer
No. 5700
Arizona U.S.A.
Expires 12/31/17

CONSTRUCTION NOTES

10	RW CENTERLINE MARKING SHT C3.4, DET 1	1,409 LF
11	RW EDGE MARKING SHT C3.4, DET 2	4,800 LF

REFERENCE NOTES

1	PROTECT IN PLACE
16	TEMPORARY PAVEMENT MARKINGS DURING PHASE TRANSITION (NPI)



REVISION	BY	DATE

PINAL AIRPARK

DIBBLE PROJECT NO 101470

**RUNWAY 12-30
REHABILITATION & REPAIR**

PAVEMENT MARKING PLAN
STA 122+00 - STA 146+00

DRN: JHA	DES: CLA	CK: MJB	DRAWING	SHEET
DATE: 5.19.15	DATE: 5.19.15	DATE: 5.19.15	C3.2	15 OF 20

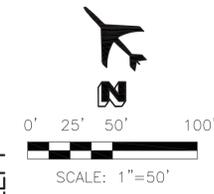
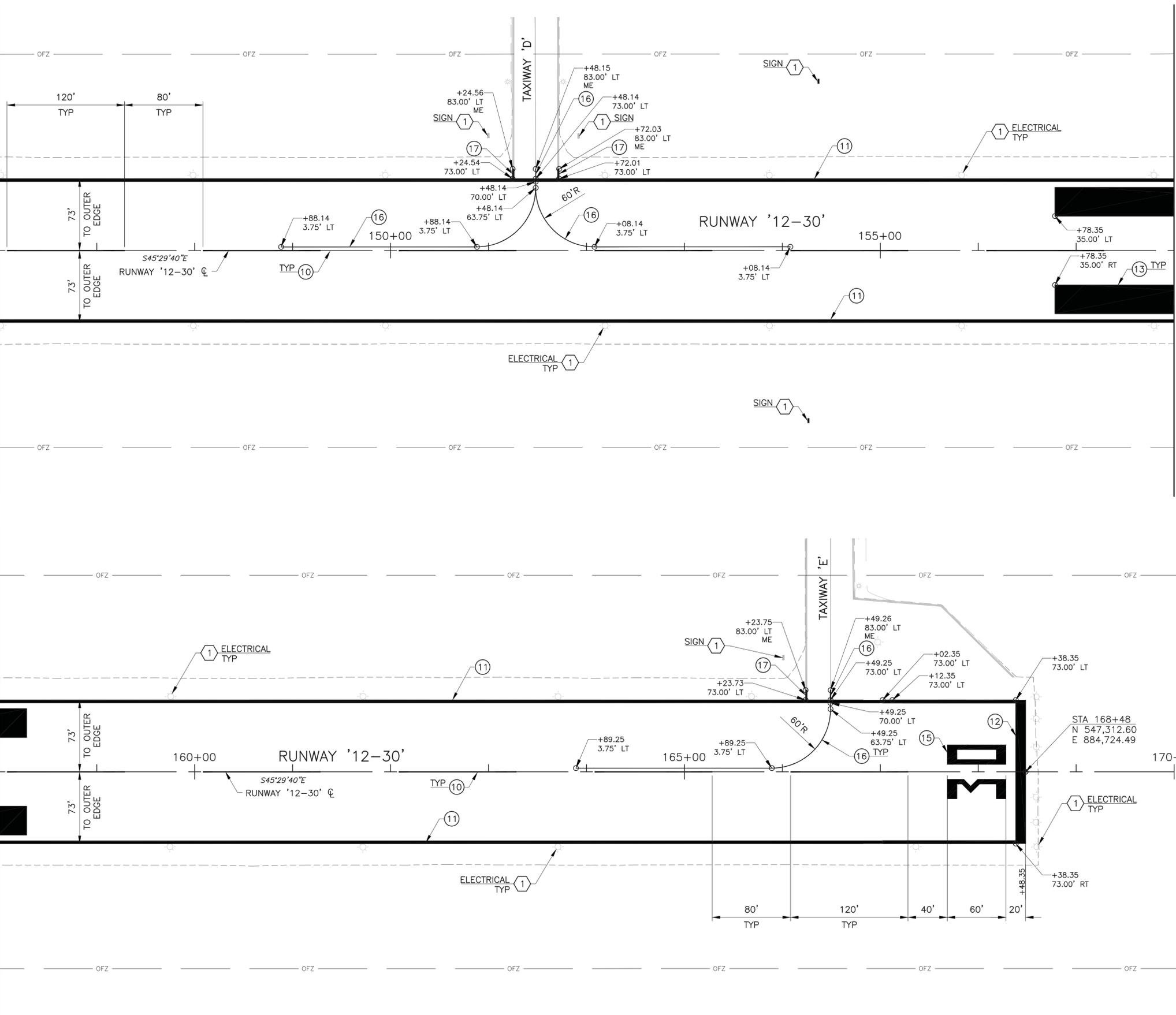
SCALE: 1" = 50'



J:\A\2014\101470 PINAL_AIRPARK RW 12-30_REHABILITATION\CAD\101470_C3-X.DWG, May, 20, 2015, 10:28 AM

MATCH LINE 146+00 SEE SHEET C3.2

MATCH LINE 158+00 SEE ABOVE RIGHT



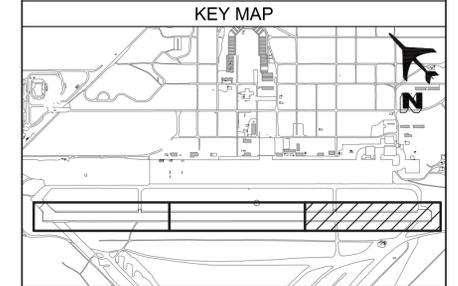
AS BUILT DATE

Dibble Engineering

7500 N. Dreamy Draw Drive
Suite 200
Phoenix, AZ 85020
P 602.957.1155

CONSTRUCTION NOTES	
10	RW CENTERLINE MARKING SHT C3.4, DET 1 1,320 LF
11	RW EDGE MARKING SHT C3.4, DET 2 4,477 LF
12	RW THRESHOLD BAR SHT C3.4, DET 3 146 LF
13	RW AIMING POINT MARKING SHT C3.4, DET 4 2 EA
15	RW '30' DESIGNATION MARKING SHT C3.4, DET 5 1 EA
16	TW CENTERLINE MARKING SHT C3.4, DET 7 916 LF
17	TW EDGE MARKING SHT C3.4, DET 8 30 LF

REFERENCE NOTES	
1	PROTECT IN PLACE



REVISION	BY	DATE

PINAL AIRPARK

DIBBLE PROJECT NO 101470

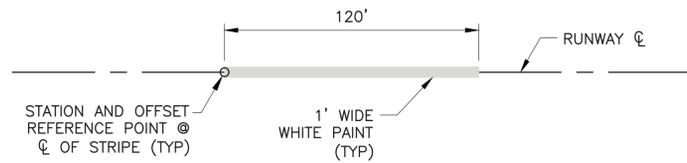
**RUNWAY 12-30
REHABILITATION & REPAIR**

PAVEMENT MARKING PLAN
STA 146+00 - STA 170+00

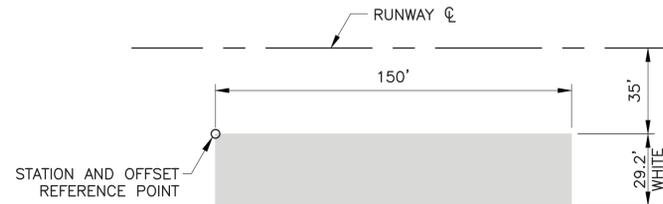
DRN: JHA	DES: CLA	CK: MJB	DRAWING	SHEET
DATE: 5.19.15	DATE: 5.19.15	DATE: 5.19.15	C3.3	16 OF 20

SCALE: 1" = 50'





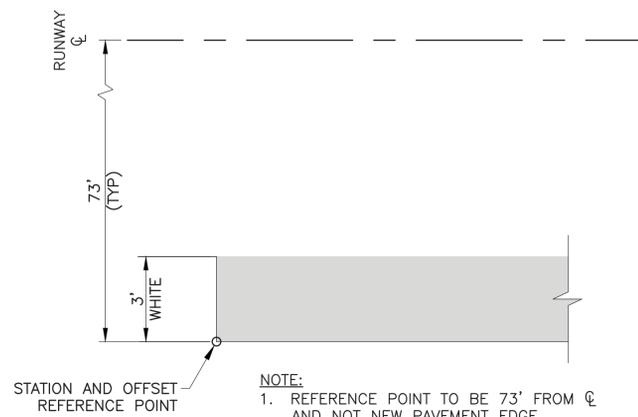
1 RUNWAY CENTERLINE MARKING N.T.S.



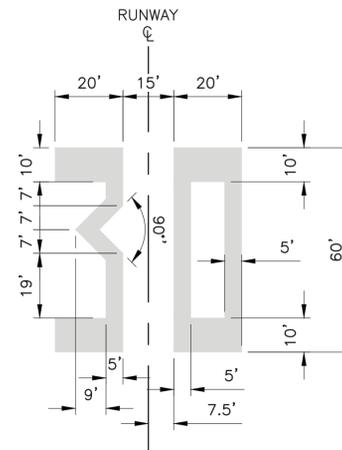
4 RUNWAY AIMING POINT MARKING N.T.S.



7 TAXIWAY CENTERLINE MARKING N.T.S.



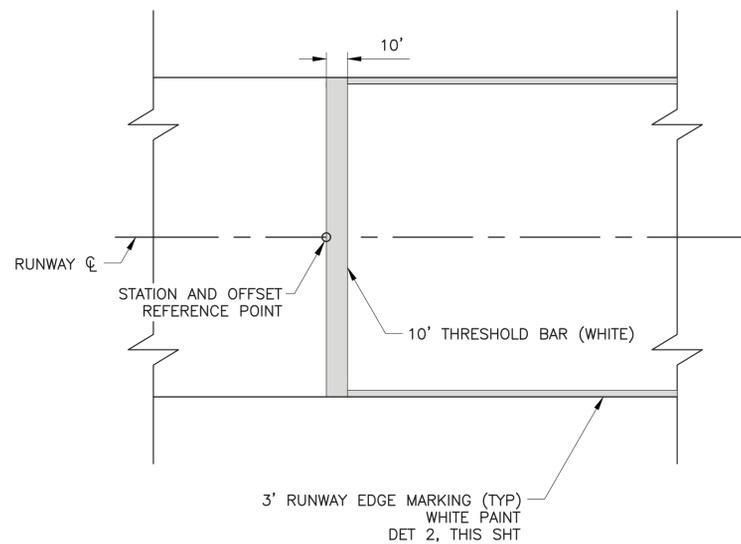
2 RUNWAY EDGE MARKING N.T.S.



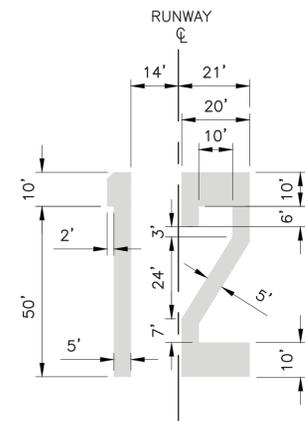
5 RUNWAY '30' DESIGNATION MARKING N.T.S.



8 TAXIWAY EDGE MARKING N.T.S.



3 RUNWAY THRESHOLD BAR N.T.S.



6 RUNWAY '12' DESIGNATION MARKING N.T.S.

J:\2014\101470 PINAL_AIRPARK_RW_12-30_REHABILITATION\CAD\101470_C3-4.DWG_Mbyr_20_2015_10:28 AM

REVISION	BY	DATE
PINAL AIRPARK		
DIBBLE PROJECT NO 101470		
RUNWAY 12-30		
REHABILITATION & REPAIR		
PAVEMENT MARKING DETAILS		
DRN: JHA	DES: CLA	CK: MJB
DATE: 5.19.15	DATE: 5.19.15	DATE: 5.19.15
SCALE:	C3.4	17 OF 20



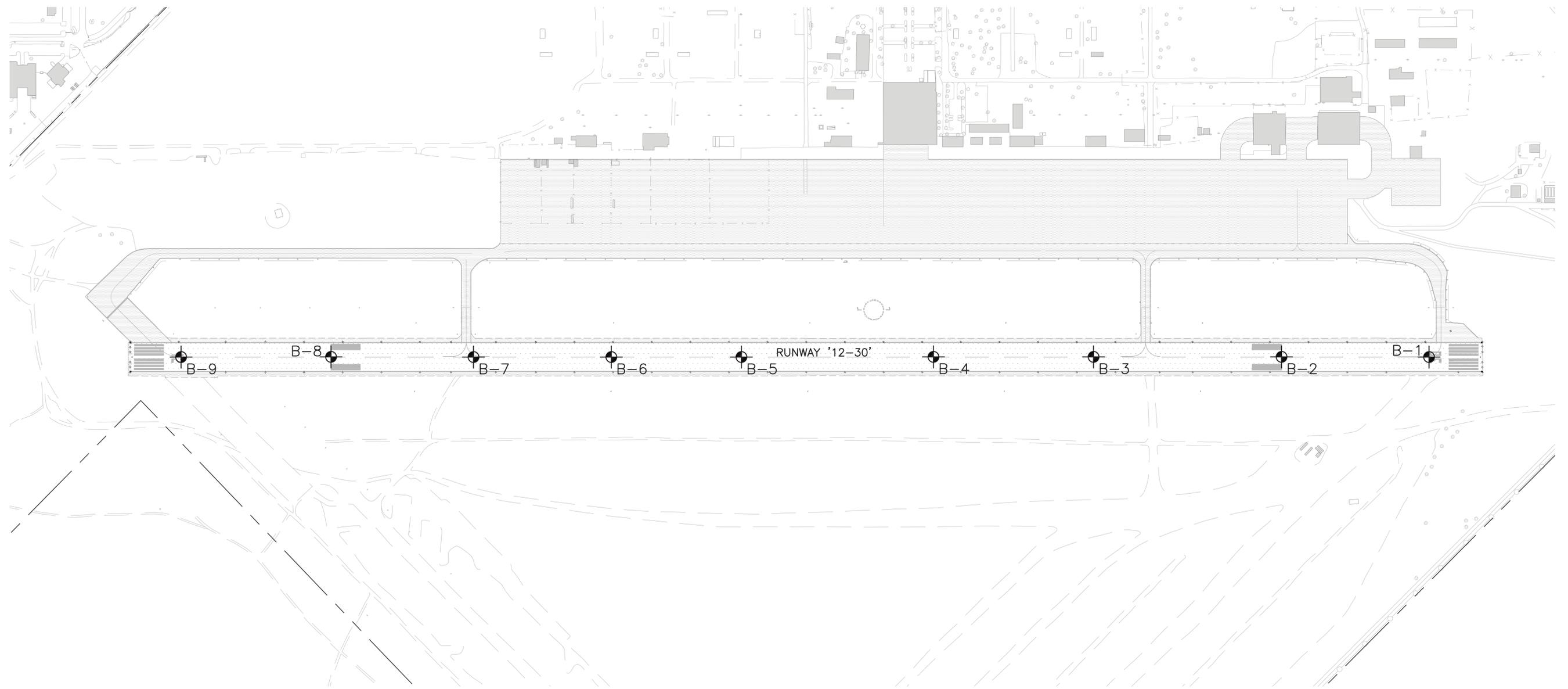


AS BUILT DATE

Dibble Engineering

7500 N. Dreamy Draw Drive
Suite 200
Phoenix, AZ 85020
P 602.957.1155

FOR INFORMATION ONLY



NOTE:
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REVISION	BY	DATE
PINAL AIRPARK		
DIBBLE PROJECT NO 101470		
RUNWAY 12-30 REHABILITATION & REPAIR		
BORING LOCATION MAP		
DRN: JHA	DES: CLA	CK: MJB
DATE: 5.19.15	DATE: 5.19.15	DATE: 5.19.15
SCALE: 1" = 250'	GT1.1	SHEET 18 OF 20

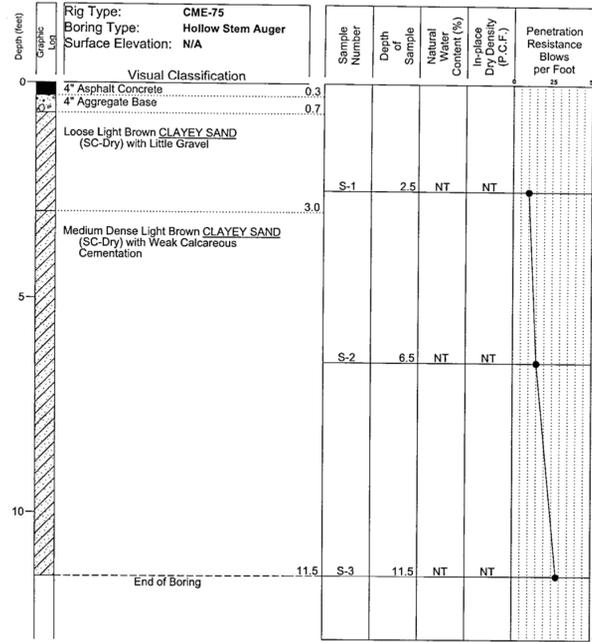


J:\A\2014\101470 PINAL_AIRPARK_RW_12-30_REHABILITATION\CAD\101470_GT1-X.DWG May 20, 2015 10:28 AM

AS BUILT DATE

Dibble Engineering
7500 N. Dreamy Draw Drive
Suite 200
Phoenix, AZ 85020
P 602.957.1155

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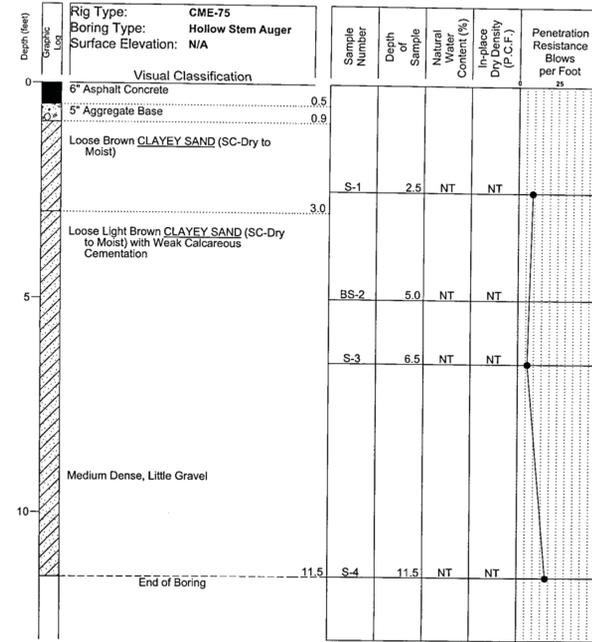


Boring Date: 12-19-11
Field Engineer/Technician: K. Euge II
Driller: Drew
Contractor: Geomechanics SW

SPEEDIE AND ASSOCIATES
Log of Test Boring Number: B-1
Pinal Airpark Runway Rehabilitation
Pinal Airpark Road west of I-10
Marana, Arizona
Project No.: 111485SA

Depth	Water Level	Hour	Date
Free Water was Not Encountered			

NT = Not Tested

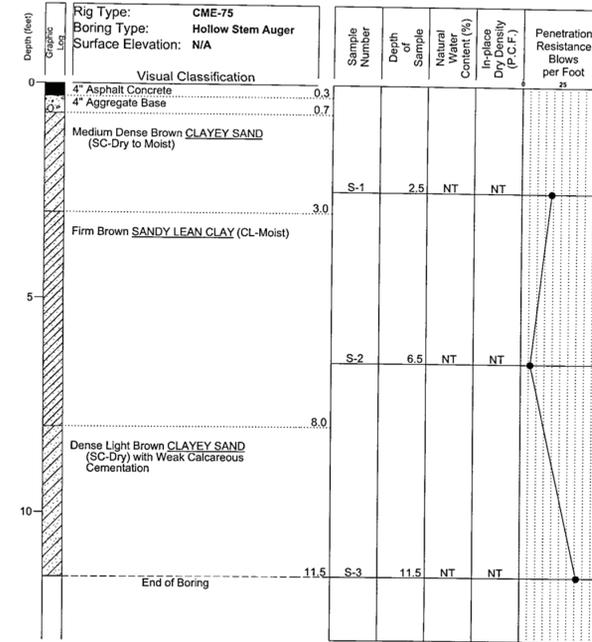


Boring Date: 12-19-11
Field Engineer/Technician: K. Euge II
Driller: Drew
Contractor: Geomechanics SW

SPEEDIE AND ASSOCIATES
Log of Test Boring Number: B-2
Pinal Airpark Runway Rehabilitation
Pinal Airpark Road west of I-10
Marana, Arizona
Project No.: 111485SA

Depth	Water Level	Hour	Date
Free Water was Not Encountered			

NT = Not Tested

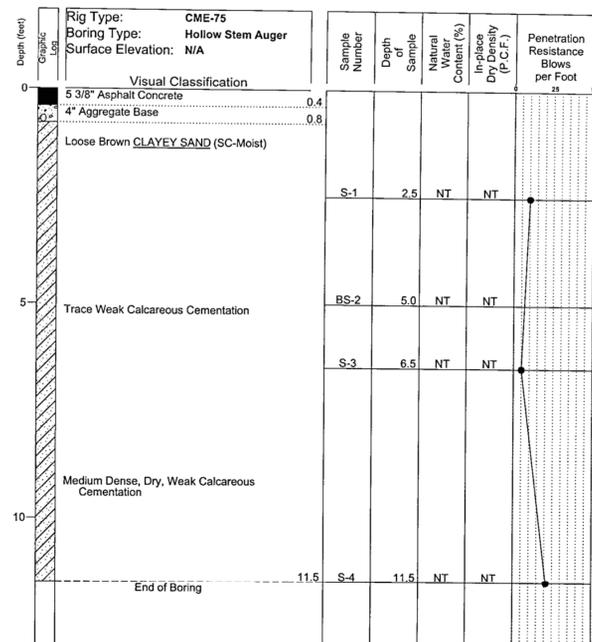


Boring Date: 12-19-11
Field Engineer/Technician: K. Euge II
Driller: Drew
Contractor: Geomechanics SW

SPEEDIE AND ASSOCIATES
Log of Test Boring Number: B-3
Pinal Airpark Runway Rehabilitation
Pinal Airpark Road west of I-10
Marana, Arizona
Project No.: 111485SA

Depth	Water Level	Hour	Date
Free Water was Not Encountered			

NT = Not Tested

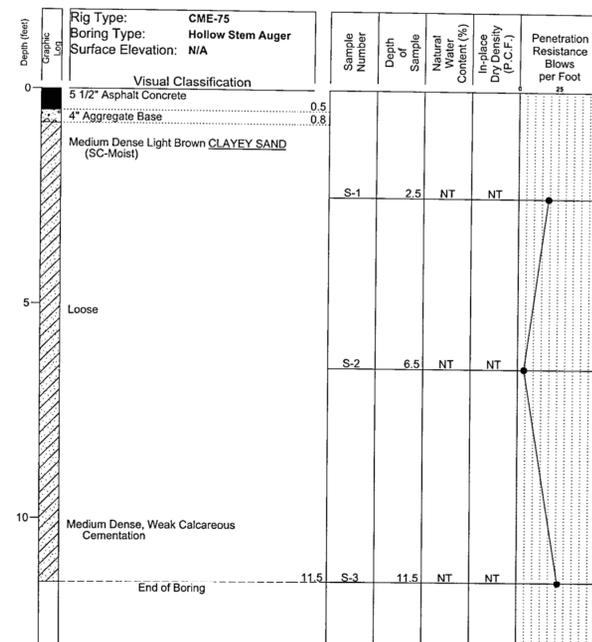


Boring Date: 12-19-11
Field Engineer/Technician: K. Euge II
Driller: Drew
Contractor: Geomechanics SW

SPEEDIE AND ASSOCIATES
Log of Test Boring Number: B-4
Pinal Airpark Runway Rehabilitation
Pinal Airpark Road west of I-10
Marana, Arizona
Project No.: 111485SA

Depth	Water Level	Hour	Date
Free Water was Not Encountered			

NT = Not Tested

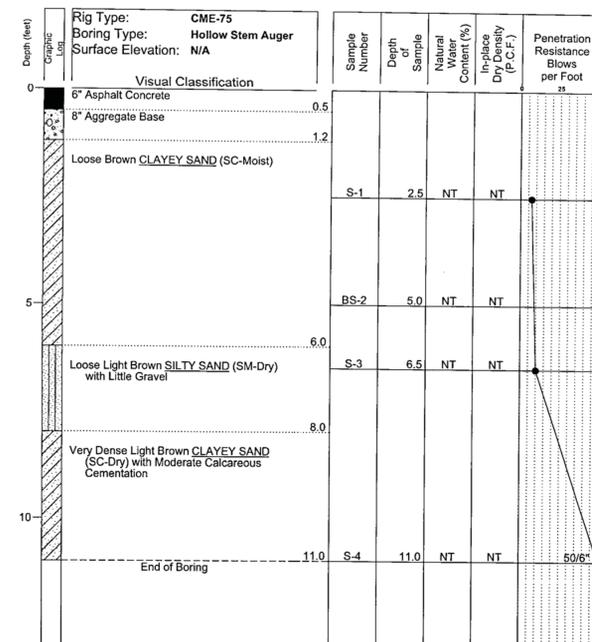


Boring Date: 12-19-11
Field Engineer/Technician: K. Euge II
Driller: Drew
Contractor: Geomechanics SW

SPEEDIE AND ASSOCIATES
Log of Test Boring Number: B-5
Pinal Airpark Runway Rehabilitation
Pinal Airpark Road west of I-10
Marana, Arizona
Project No.: 111485SA

Depth	Water Level	Hour	Date
Free Water was Not Encountered			

NT = Not Tested



Boring Date: 12-19-11
Field Engineer/Technician: K. Euge II
Driller: Drew
Contractor: Geomechanics SW

SPEEDIE AND ASSOCIATES
Log of Test Boring Number: B-6
Pinal Airpark Runway Rehabilitation
Pinal Airpark Road west of I-10
Marana, Arizona
Project No.: 111485SA

Depth	Water Level	Hour	Date
Free Water was Not Encountered			

NT = Not Tested

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REVISION	BY	DATE

PINAL AIRPARK

DIBBLE PROJECT NO 101470

RUNWAY 12-30 REHABILITATION & REPAIR

BORING LOGS

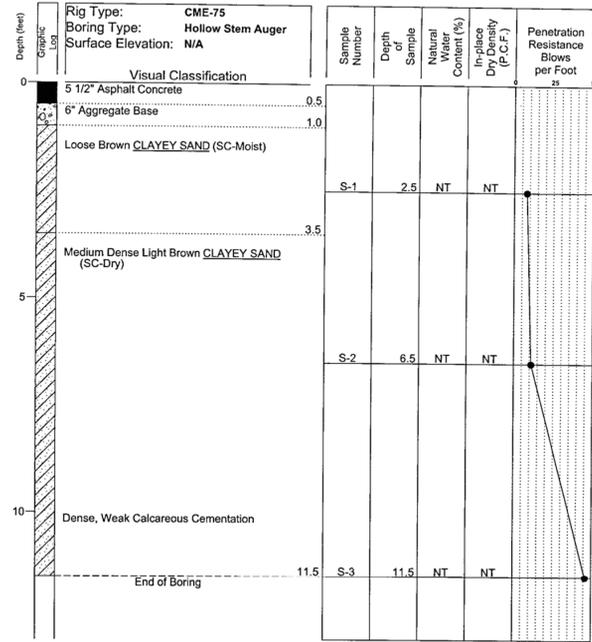
DRN: JHA	DES: CLA	CK: MJB	DRAWING	SHEET
DATE: 5.19.15	DATE: 5.19.15	DATE: 5.19.15	GT1.2	19 OF 20



AS BUILT DATE

Dibble Engineering
 7500 N. Dreamy Draw Drive
 Suite 200
 Phoenix, AZ 85020
 P 602.957.1155

FOR INFORMATION ONLY

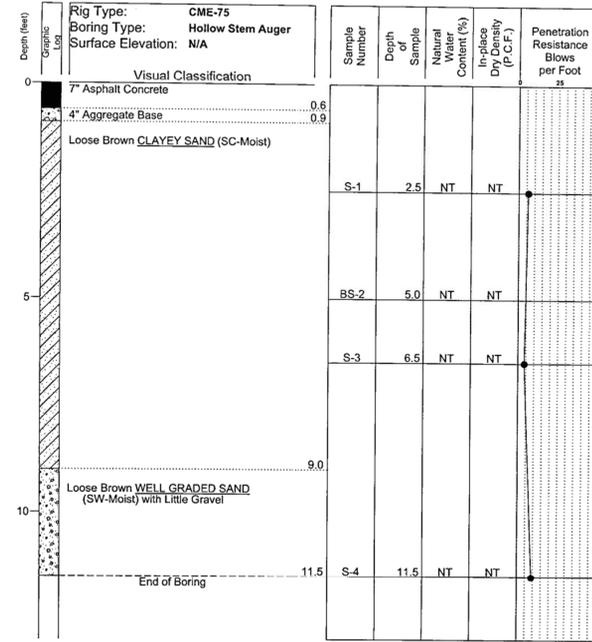


Boring Date: 12-19-11
 Field Engineer/Technician: K. Euge II
 Driller: Drew
 Contractor: Geomechanics SW

Depth	Water Level	Date
Free Water was Not Encountered		

NT = Not Tested

SPEEDIE AND ASSOCIATES
 Log of Test Boring Number: B-7
 Pinal Airpark Runway Rehabilitation
 Pinal Airpark Road west of I-10
 Marana, Arizona
 Project No.: 111485SA

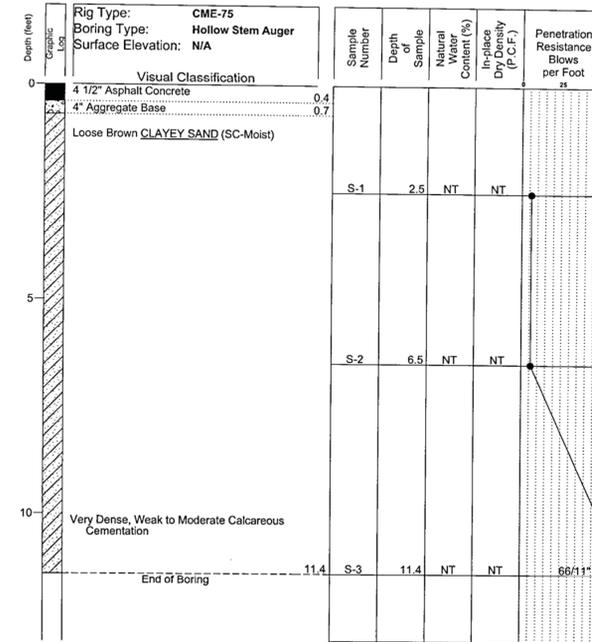


Boring Date: 12-19-11
 Field Engineer/Technician: K. Euge II
 Driller: Drew
 Contractor: Geomechanics SW

Depth	Water Level	Date
Free Water was Not Encountered		

NT = Not Tested

SPEEDIE AND ASSOCIATES
 Log of Test Boring Number: B-8
 Pinal Airpark Runway Rehabilitation
 Pinal Airpark Road west of I-10
 Marana, Arizona
 Project No.: 111485SA



Boring Date: 12-19-11
 Field Engineer/Technician: K. Euge II
 Driller: Drew
 Contractor: Geomechanics SW

Depth	Water Level	Date
Free Water was Not Encountered		

NT = Not Tested

SPEEDIE AND ASSOCIATES
 Log of Test Boring Number: B-9
 Pinal Airpark Runway Rehabilitation
 Pinal Airpark Road west of I-10
 Marana, Arizona
 Project No.: 111485SA

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REVISION	BY	DATE

PINAL AIRPARK

DIBBLE PROJECT NO 101470

**RUNWAY 12-30
 REHABILITATION & REPAIR**

BORING LOGS

DRN: JHA	DES: CLA	CK: MJB	DRAWING	SHEET
DATE: 5.19.15	DATE: 5.19.15	DATE: 5.19.15	GT1.3	20 OF 20

