

City of Peoria

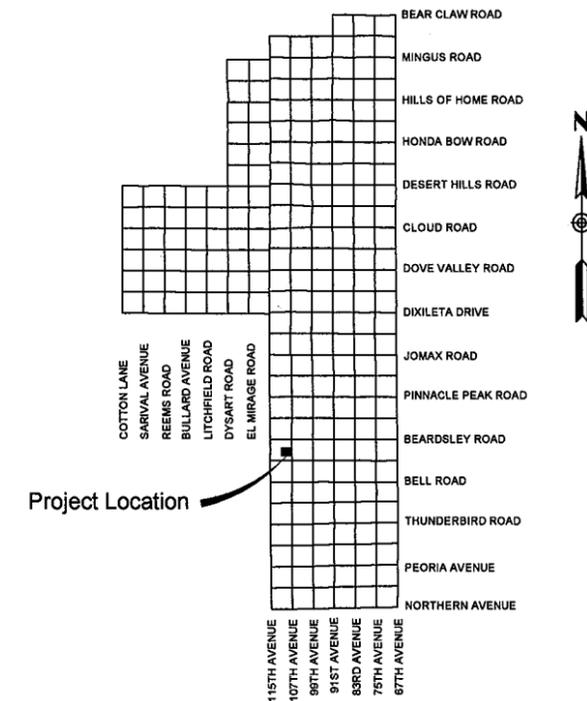
Engineering Department

Lake Pleasant Estates Pavement Rehabilitation



Project No. *P-0807*
 Budget No. *EN00237*
 Solicitation No. *P07-0109*
95% Submittal

Vicinity Map



City Council

MAYOR
Bob Barrett

VICE MAYOR
Cathy Carlat

COUNCIL MEMBERS

Dave Pearson
Vicki Hunt
Ron Aames
Carlo Leone
Joan Evans

Benchmark

Stone in Pothole (0.85' below pavement)
 at Intersection of 107th Ave & Palm Tree Drive
 Elevation=1229.59
 (City of Peoria Datum Point P-4306)

N 367827.72
 E 386417.29

Sheet Index

DESCRIPTION	SHEET NO	
COVER SHEET	1	CS01
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TYPICAL SECTIONS/DETAIL SHEETS	5-8	DT01-DT04
PAVING SHEETS	9-14	PV01-PV06

Approvals

 Engineering Director

 Date

As-Built Certification

I hereby certify that the "As-Built" information as shown hereon was made under my supervision, or as noted, and is correct to the best of my knowledge and belief.

 Registered Land Surveyor

 Date

Utility Design Contacts

UTILITY	COMPANY	CONTACT PHONE
Electric	APS Power	Bob Garza (602) 371-7989
Natural Gas	El Paso	Dennis Segars (602) 438-4229
Natural Gas	Southwest Gas	Claudia Gantert (602) 484-5649
Telephone	Cox	Suzanne Holzer (623) 328-3522
Telephone	Qwest	Ron Floyd (602) 630-1392
Potable Water	City of Peoria	Javier Setovich (623) 773-7734

2150-I S. Country Club Dr., Ste. 22, Mesa, Arizona 85210
 Phone (480) 503-2250 Fax (480) 503-2258

CITY OF PEORIA
ENGINEERING DEPARTMENT

Lake Pleasant Estates
Project No. P-0807

Designed GF Drawn RW Checked EW

CS01
 Sheet 1 of 14



GENERAL NOTES

- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST MARICOPA ASSOCIATION OF GOVERNMENTS' (MAG) UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION. CITY OF PEORIA INFRASTRUCTURE GUIDE, PEORIS DETAILS AND CITY OF PHOENIX STANDARD DETAILS WILL CONTINUE TO APPLY WHERE SUCH DETAILS WERE NOT ADOPTED OR INCLUDED BY MAG.
- THIS SET OF PLANS HAS BEEN REVIEWED FOR COMPLIANCE WITH CITY REQUIREMENTS PRIOR TO ISSUANCE OF CONSTRUCTION PERMITS. HOWEVER, SUCH REVIEW SHALL NOT PREVENT THE CITY ENGINEER FROM REQUIRING CORRECTION OF ERRORS OR OMISSIONS IN PLANS FOUND TO BE IN VIOLATION OF ANY LAW OR ORDINANCE.
- APPROVAL BY THE CITY ENGINEER MEANS FOR GENERAL LAYOUT IN RIGHT-OF-WAY ONLY. THIS APPROVAL OF CONSTRUCTION PLANS IS VALID FOR A PERIOD OF NINE (9) MONTHS. CONSTRUCTION PERMITS SHALL BE OBTAINED WITHIN THIS PERIOD OR THE PLANS SHALL BE RESUBMITTED FOR APPROVAL. WORK SHALL ALSO BE CONTINUOUSLY PURSUED IN ORDER TO MAINTAIN A VALID PLAN APPROVAL AND PERMIT. APPROVAL IS ONLY FOR WORK WITHIN THE JURISDICTION OF THE CITY OF PEORIA.
- THE CITY ENGINEER DOES NOT WARRANT ANY QUANTITIES SHOWN ON THESE PLANS.
- OFF-SITE PERMITS FOR ANY WORK WITHIN THE RIGHT-OF-WAY AND EASEMENTS, AND ANY GRADING AND DRAINAGE, WHETHER ON-SITE OR OFF-SITE, ARE REQUIRED PRIOR TO COMMENCING WORK.
- THE ENGINEERING DEPARTMENT, INSPECTION SECTION, SHALL BE NOTIFIED TWENTY-FOUR (24) HOURS PRIOR TO ANY CONSTRUCTION WORK BY TELEPHONE AT (623) 773-8445. ANY WORK CONCEALED WITHOUT INSPECTION SHALL BE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- AN APPROVED SET OF PLANS MUST BE AVAILABLE ON THE JOB SITE AT ALL TIMES. THE CONTRACTOR'S REPRESENTATIVE (CAPABLE OF COMMUNICATING WITH THE CITY'S REPRESENTATIVES) SHALL BE ON THE JOB AT ALL TIMES THE WORK IS BEING PURSUED.
- THE CONTRACTOR IS RESPONSIBLE TO PROVIDE EMERGENCY TELEPHONE NUMBERS TO THE CITY OF PEORIA AT TIME OF ISSUANCE OF PERMITS AND HAVE PERSONNEL AVAILABLE 24-HOURS A DAY TO RESPOND TO EMERGENCIES. IF THE CITY IS REQUIRED TO RESPOND AND MAKE EMERGENCY REPAIRS ON BEHALF OF THE CONTRACTOR, THE CONTRACTOR IS RESPONSIBLE TO REIMBURSE THE CITY FOR ALL COSTS INCURRED.
- IT SHALL BE THE RESPONSIBILITY OF THE PERMITTEE TO ARRANGE FOR THE RELOCATION AND RELOCATION COSTS OF ALL UTILITIES, AND SUBMIT A UTILITY RELOCATION SCHEDULE PRIOR TO THE ISSUANCE OF A CONSTRUCTION PERMIT.
- ALL UNDERGROUND TANKS REQUIRE A PERMIT FROM THE FIRE DEPARTMENT PRIOR TO REMOVAL.
- THE PROCEDURES AND METHODS USED TO SAMPLE, TEST MATERIALS, AND REPORT TEST RESULTS WILL BE DETERMINED BY THE ENGINEERING DEPARTMENT. FOR ALL PHASES OF CONSTRUCTION, THE TYPE, SCHEDULING, FREQUENCY AND LOCATION OF ALL MATERIALS TESTING AND SAMPLING SHALL BE DETERMINED BY THE ENGINEERING DEPARTMENT. ALL TEST RESULTS SHALL BE REPORTED DIRECTLY (IN WRITING) TO THE ENGINEERING DEPARTMENT.
- THE EXCAVATING CONTRACTOR MUST GIVE LOCATION FOR WASTING EXCESS EXCAVATION AND A LETTER FROM THE OWNER GIVING PERMISSION FOR DUMPING PRIOR TO STARTING ON-SITE CONSTRUCTION.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY THE PRESENCE AND LOCATION OF ALL EXISTING OVERHEAD AND/OR UNDERGROUND UTILITIES THAT MAY INTERFERE WITH THIS CONSTRUCTION, WHETHER OR NOT SAID UTILITIES ARE SHOWN ON THE CONSTRUCTION PLANS FOR THIS PROJECT AND TO ADEQUATELY PROTECT AND MAINTAIN ANY SUCH UTILITIES.

EL PASO NATURAL GAS NOTES

- AN AUTHORIZED COMPANY REPRESENTATIVE MUST BE ONSITE DURING ANY WORK PERFORMED ON OR ACROSS EL PASO NATURAL GAS RIGHT-OF-WAY, AND WILL REMAIN AS LONG AS POWER EQUIPMENT IS UTILIZED.
- NOTIFY EL PASO NATURAL GAS PHOENIX DISTRICT OFFICE REPRESENTATIVE(DENNIS SEGARS) AT (602) 438-4229 AT LEAST 48 HOURS PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY WITHIN EL PASO NATURAL GAS RIGHT-OF-WAY OR ITS IMMEDIATE VICINITY.
- EXCAVATING CLOSER THAN 2 FEET TO THE PIPELINE SHALL BE DONE BY HAND UNTIL THE PIPELINE IS EXPOSED AND SHALL BE DONE ONLY UNDER THE SUPERVISION OF AN AUTHORIZED COMPANY REPRESENTATIVE.
- NO TRENCHES, EQUIPMENT, VEHICLES, OR MATERIALS ARE TO BE LEFT UNATTENDED DURING CONSTRUCTION, AFTER HOURS, OR OVERNIGHT WITHIN EL PASO NATURAL GAS RIGHT-OF-WAY AND EASEMENTS.

STRIPING NOTES

- THE CONTRACTOR SHALL NOTIFY THE CITY OF PEORIA'S ENGINEERING INSPECTION DIVISION AT LEAST 48 HOURS IN ADVANCE OF ANY STRIPING AT (623) 773-8445. STRIPING COMPLETED PRIOR TO THE CITY'S INSPECTION SHALL BE REMOVED IF IT IS NOT CONSISTENT WITH CITY STANDARDS.
- THE OBLITERATION OF CONFLICTING STRIPING SHALL BE ACCOMPLISHED BY WATER BLASTING OR OTHER METHODS APPROVED BY THE CITY.
- CROSSWALK, STOP BAR, AND TURN ARROW PAVEMENT MARKING INSTALLATIONS SHALL BE DONE IN ACCORDANCE WITH THE CITY OF PEORIA'S STANDARD. ALKYD THERMOPLASTIC MATERIAL APPLIED AT 90 MIL THICKNESS. LONGITUDINAL STRIPING SHALL BE INSTALLED WITH WATER BASED STRIPING PAINT AS PER THE SIGNING AND STRIPING PLAN.
- SIGNING SHALL BE INSTALLED AS PER THE CITY OF PEORIA DETAIL PE-032.
- ALL SIGNS ARE TO BE ASTM TYPE IV HIGH INTENSITY SHEETING.
- ALL SIGNS ARE TO BE PROVIDED AND INSTALLED PER THE APPROVED PLANS.
- THE CONTRACTOR SHALL RETURN ALL REMOVED TRAFFIC SIGNAL EQUIPMENT/SIGNS TO THE CITY OF PEORIA MUNICIPAL OPERATIONS CENTER, 8850 NORTH 79TH AVENUE. CONTACT THE TRAFFIC MAINTENANCE SUPERVISOR AT (623) 773-7470.
- SIGNING AND STRIPING INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE MUTCD ADOPTED BY THE ARIZONA DEPARTMENT OF TRANSPORTATION.
- UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE TO THE FACE OF CURB AND THE CENTER OF THE STRIPE. IN THE CASE OF A DOUBLE STRIPE, DIMENSION IS TO THE CENTER OF THE DOUBLE STRIPE.
- IF THE APPROVED PLANS DO NOT MATCH EXISTING FIELD CONDITIONS, THE CITY INSPECTOR MAY MAKE CHANGES THEY DEEM NECESSARY.

PAVING NOTES

- EXACT POINT OF PAVEMENT MATCHING, TERMINATION, AND/OR OVERLAY, SHALL BE DETERMINED IN THE FIELD BY THE FIELD ENGINEERING DIVISION.
- ALL FRAMES, COVERS, VALVE BOXES, AND MANHOLES SHALL BE ADJUSTED TO FINISHED GRADE UPON COMPLETION OF PAVING OR RELATED CONSTRUCTION. THE CONCRETE COLLAR SHALL BE ADJUSTED LEVEL WITH EXISTING BITUMINOUS PAVEMENT. ADJUSTMENT OF EXISTING TYPE "A" OR TYPE "B" WATER VALVE BOXES IN RIGHT-OF-WAY SHALL BE CONSIDERED INCIDENTAL.
- ALL CONTRACTORS SHALL COMPLY WITH THE CITY OF PEORIA DETAIL PE-211 FOR TRENCH PLATING.
- PAVING SHALL NOT START UNTIL ALL APPROPRIATE TESTING HAS BEEN COMPLETED AND ACCEPTED (PRESSURE TESTING OF UTILITIES, DENSITY TESTING, VEILING OF SEWER LINE, ETC). SERVICE STUBS TO ALL PLATTED LOTS SHALL BE EXTENDED, AND ALL CONFLICTING UTILITY CONSTRUCTION COMPLETED PRIOR TO START OF PAVING.
- TREES AND SHRUBBERY IN THE RIGHT-OF-WAY, WHICH CONFLICT WITH THE IMPROVEMENTS PROPOSED HEREIN, ARE NOT TO BE REMOVED OR RELOCATED WITHOUT PRIOR APPROVAL OF THE CITY OF PEORIA. THE PERMITTEE SHALL BE RESPONSIBLE FOR ORDERING THE NECESSARY AUTHORIZATION TO REMOVE AND/OR RELOCATE SAID TREES OR SHRUBBERY.
- IN ALL AREAS WHERE NEW CONSTRUCTION OF CURB, CUTTER, SIDEWALKS, AND DRIVEWAYS IS REQUIRED, AND THE ENGINEER DETERMINES THE EXISTING GRADE TO CONSIST OF SOILS WITH SWELLING CHARACTERISTICS, THE MOISTURE CONTENT SHALL BE BROUGHT AS CLOSE AS POSSIBLE TO OPTIMUM REQUIRED FOR COMPACTION BY THE ADDITION OF WATER, BLENDING OF DRY SUITABLE MATERIAL OR BY DRYING OF EXISTING MATERIAL. THE MATERIAL SHALL THEN BE COMPACTED TO A RELATIVE DENSITY OF 75 PERCENT MINIMUM TO 85 PERCENT MAXIMUM WITH 80 PERCENT AS IDEAL.
- CONSTRUCTION LOADS: DURING CONSTRUCTION OPERATIONS, HEAVY EQUIPMENT MAY CROSS EXISTING OR PROPOSED PIPE. IN THIS CASE, AN EARTH FILL SHOULD BE CONSTRUCTED TO AT LEAST THREE (3) FEET ABOVE PIPE. THE FILL MUST BE SUFFICIENT TO PREVENT THE LATERAL DISPLACEMENT OF THE PIPE.
- UNLESS OTHERWISE SPECIFIED, THE CITY OF PEORIA REQUIRES THAT THE ASPHALTIC CONCRETE MIX DESIGN MEET THE CURRENT MIX DESIGN SPECIFIED IN SECTION 3.5 OF THE INFRASTRUCTURE DEVELOPMENT DESIGN GUIDE.
- ALL STREET IMPROVEMENTS FOR CUSTOM HOMES MUST BE COMPLETED IN ACCORDANCE WITH THE CITY OF PEORIA POLICY ON UNPAVED ROADS. ALL PRIVATE ACCESS MUST BE CONSTRUCTED WITH AN ACCEPTABLE DUST PALLIATIVE.
- ALL CONTRACTORS ARE RESPONSIBLE TO CONSTRUCT STABILIZED CONSTRUCTION ENTRANCES IN ORDER TO REDUCE OR ELIMINATE THE TRACKING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY OR STREETS. GRAVEL TRACK-OUT PADS SHALL MEET CURRENT MARICOPA COUNTY STANDARDS. THE CONTRACTOR SHALL IMMEDIATELY REMOVE ANY SEDIMENT TRACKED ONTO PUBLIC RIGHTS-OF-WAYS OR STREETS.
- IF ANY EXISTING BARRICADES, TRAFFIC SIGNS OR STREET NAME SIGNS NEED TO BE REMOVED DURING CONSTRUCTION, NOTIFY THE CITY OF PEORIA PUBLIC WORKS STREETS DIVISION AT (623) 773-7432. A MINIMUM OF 48 HOURS NOTICE IS NEEDED FOR REMOVALS. IF SIGNS AND BARRICADES BELONG TO ANOTHER AGENCY, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THEM.
- NO WATER SUPPLY HOSE OR RAMPS SHALL BE PLACED ACROSS OR IN THE ARTERIAL OR COLLECTOR STREETS. APPROVAL IN WRITING FROM THE CITY ENGINEER OR HIS DESIGNEE IS REQUIRED FOR PLACEMENT OF THE SUPPLY HOSE OR RAMPS IN LOCAL STREETS. APPLICATIONS SHALL INCLUDE SUBMITTALS OF THE MANUFACTURER'S SPECIFICATIONS, MATERIALS USED, DIMENSIONS OF THE RAMP, PROPOSED LOCATION, PROPOSED BARRICADING, AND SIGNAGE.

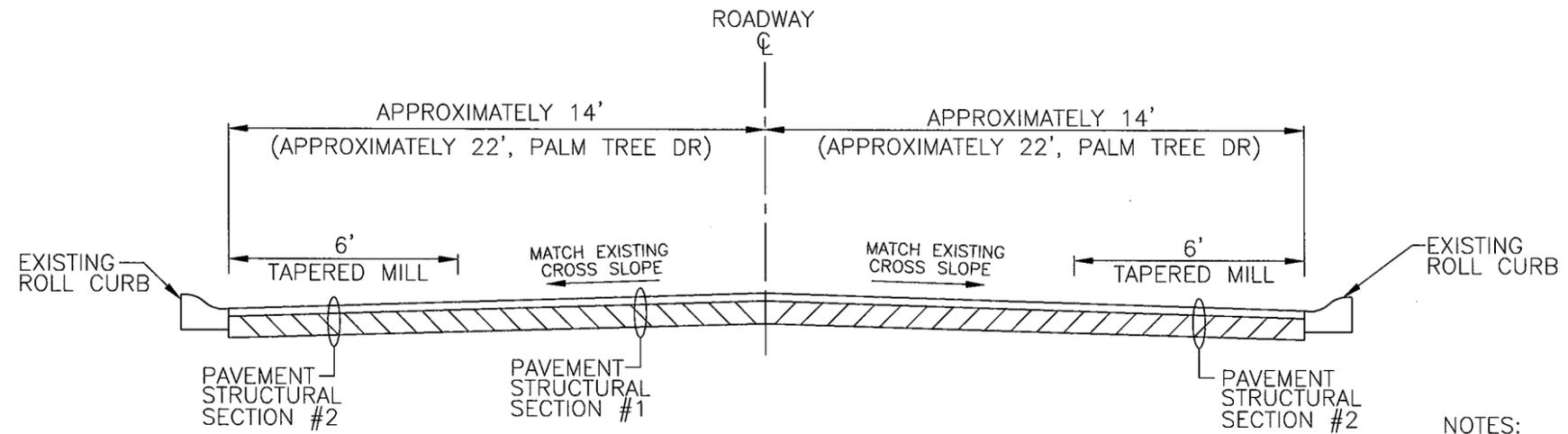
GRADING AND DRAINAGE NOTES

- THE GRADING AND DRAINAGE PLANS MUST BE APPROVED BY THE CITY ENGINEER OR THEIR DESIGNEE. THE CITY ENGINEER'S OFFICE SHALL BE NOTIFIED AT (623) 773-7210, 48 HOURS BEFORE ANY ON-SITE CONSTRUCTION BEGINS.
- A SEPERATE PERMIT IS REQUIRED PRIOR TO ANY ON-SITE GRADING, INCLUDING CUSTOM HOMES.
- GRADING AND DRAINAGE PLAN APPROVAL INCLUDES:
 - CONSTRUCTION OF ALL SURFACE IMPROVEMENTS SHOWN ON THE APPROVED GRADING AND DRAINAGE PLAN, INCLUDING BUT NOT LIMITED TO, RETENTION AREAS AND/OR OTHER DRAINAGE FACILITIES, DRAINAGE PATTERNS, CHANNELS, WALLS, CURBING, ASPHALT PAVEMENT, BANK PROTECTION AND CHANNELIZATION, AND BUILDING FLOOR ELEVATIONS.
 - CONTRACTOR SHALL PROVIDE MINIMUM SLOPE TO THE BOTTOM IN ALL RETENTION BASINS AT ELEVATIONS AS SHOWN ON THE PLANS. RETENTION BASIN SIDE SLOPES SHALL NOT EXCEED 3:1 (UNDER SPECIAL CIRCUMSTANCES - REFER TO SECTION 4-3), AS CONFIRMED THROUGH THE GEOTECHNICAL REPORT, ON PRIVATE PROPERTY AND 6:1 ADJACENT TO PUBLIC RIGHT OF WAY UNLESS OTHERWISE NOTED ON PLANS.
- ALL DRAINAGE PROTECTIVE DEVICES SUCH AS SWALES, INTERCEPTOR DITCHES, PIPES, PROTECTIVE BERMS, CONCRETE CHANNELS OR OTHER MEASURES DESIGNED TO PROTECT HOMES OR OTHER IMPROVEMENTS WHETHER EXISTING OR PROPOSED, FROM RUNOFF OR DAMAGE FROM STORM WATER, MUST BE CONSTRUCTED PRIOR TO THE CONSTRUCTION OF ANY IMPROVEMENTS.
- DRYWELLS MUST BE DRILLED A MINIMUM OF TEN (10) FEET INTO PERMEABLE POROUS STRATA AND PERCOLATION TESTS WILL BE REQUIRED. THE OFF-SITE INSPECTOR MUST BE PRESENT BEFORE BACKFILL OR WALL PIPES ARE PLACED WITHIN ANY DRYWELL. PERCOLATION TESTS MUST BE CONDUCTED BY AN INDEPENDENT LABORATORY AND RESULTS PROVIDED TO THE ENGINEERING DEPARTMENT. ALL DRYWELLS MUST BE REGISTERED WITH ADEQ. COPIES OF DRILLING LOGS AND ADEQ REGISTRATION INFORMATION MUST BE PROVIDED TO THE CITY.
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND CONFIRMING DEPTH OF ALL EXISTING UTILITY LINES WITHIN PROPOSED RETENTION AND DRAINAGE FACILITY AREAS. IF THE DRAINAGE FACILITIES CANNOT BE CONSTRUCTED PER PLAN AS A RESULT OF CONFLICT WITH UNDERGROUND UTILITIES, THE CONTRACTOR SHOULD CONTACT THE CITY ENGINEER AND THE DESIGN ENGINEER AND REQUEST MODIFICATION OF THE DRAINAGE FACILITY DESIGN.
- ALL BANK PROTECTION AND CHANNELIZATION MUST BE COMPLETED PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.
- A SEPERATE HAUL PERMIT SHALL BE REQUIRED WHENEVER HAULING IN EXCESS OF 500 CUBIC YARDS OF MATERIAL IN OR OUT OF A SITE. A HAUL ROUTE MUST BE SUBMITTED AND APPROVED BY THE ENGINEERING DEPARTMENT. ADDITIONAL REQUIREMENTS AS SET FORTH BY THE ENGINEERING DEPARTMENT SHALL BE MET.
- ALL CONTRACTORS ARE RESPONSIBLE TO OBTAIN A NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT IN ACCORDANCE WITH FEDERAL AND STATE REGULATIONS, INCLUDING NOTICE OF INTENT (NOI), NOTICE OF TERMINATION, AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP). A COPY OF THE NOI AND SWPPP SHALL BE AVAILABLE ON THE JOB SITE AT ALL TIMES. ALL SWPPP PLANS MUST INCLUDE THE NOI TRACKING NUMBER ADMINISTERED BY ADEQ.
- ONCE AN EXISTING SHOULDER IS DISTURBED BY THE GRADING OPERATION OR ANY OTHER PHASE OF CONSTRUCTION, THE SHOULDER SHALL BE BARRICADED. SUCH BARRICADING SHALL REMAIN IN PLACE UNTIL FINAL ACCEPTANCE OF THE PROJECT.

LEGEND

- OHE-- OVERHEAD ELECTRIC LINE
- CATV-- CABLE TELEVISION LINE
- T--- TELEPHONE LINE
- UGE--- UNDERGROUND ELECTRIC
- G--- GAS LINE
- WAT--- WATERLINE
- IRR--- IRRIGATION LINE
- E--- UNDERGROUND ELECTRIC
- ⊙ EX. SEWER MANHOLE
- ⊞ EX. TELEPHONE RISER
- ⊗ EX. WATER VALVE
- ⊙ EXISTING TREE/BUSH
- ⊙ EXISTING FIRE HYDRANT
- ⊙ EXISTING STREET SIGN
- ⊙ EXISTING STREET LIGHT
- ⊙ EXISTING FLOW DIRECTION
- ⊙ 2" OVERLAY WITH 6" TAPERED MILL PER DETAIL SHEET DT01
- ⊙ 2" MILL AND REPLACE PER DETAIL SHEET DT01 & DT02
- ⊙ PAVEMENT REPLACEMENT: 5" AC OVER 12" ABC PER DETAIL SHEET DT02
- ⊙ ½" DECOMPOSED GRANITE 2" THICK PER SPECIAL PROVISIONS

	<p>Geps group, Inc. Engineers, Planners & Surveyors 2150-1 E. Country Club Dr., Ste. 22, Mesa, Arizona 85210 Phone (480) 903-2350 Fax (480) 903-2354</p>
	<p>CITY OF PEORIA ENGINEERING DEPARTMENT</p> <p>LAKE PLEASANT ESTATES</p> <p>NOTES SHEET</p>
<p>DESIGNED BY GF DRAWN BY RW</p>	<p>CITY OF PEORIA PROJECT NO. P-0807</p>
<p>DRAWING NO. CS02</p>	<p>SHEET 2 OF 14</p>



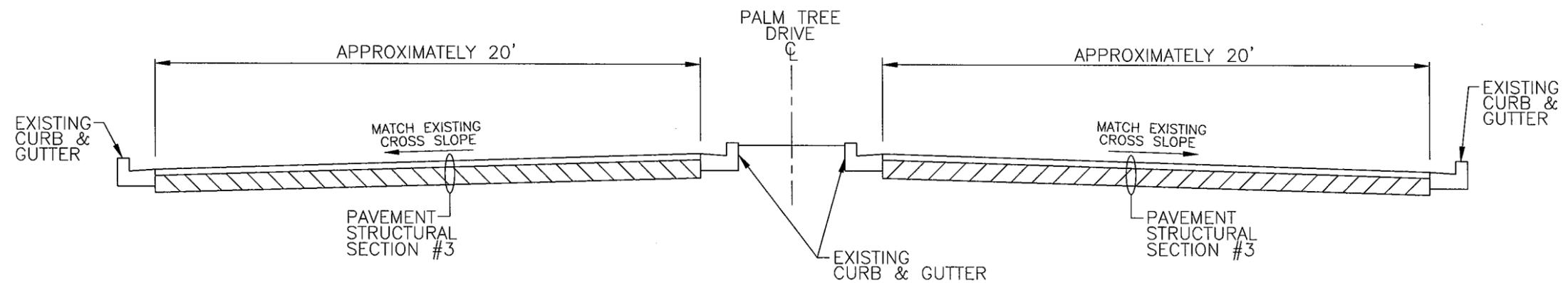
TYPICAL SECTION

NTS

109TH AVENUE, MICHAEL DRIVE, JOSIE DRIVE,
 PIERSON ROAD, MARK LANE, SACK DRIVE, CARNATION DRIVE,
 PALM TREE DRIVE-109TH AVENUE TO PIERSON ROAD

NOTES:

1. EXISTING PAVEMENT TO BE CRACK SEALED BEFORE OVERLAY IS APPLIED PER GEOTECHNICAL REPORT BY NINYO & MOORE.
2. ALL EXISTING CURB AND GUTTER IS TO BE PROTECTED IN PLACE EXCEPT WHERE NOTED ON PLANS.



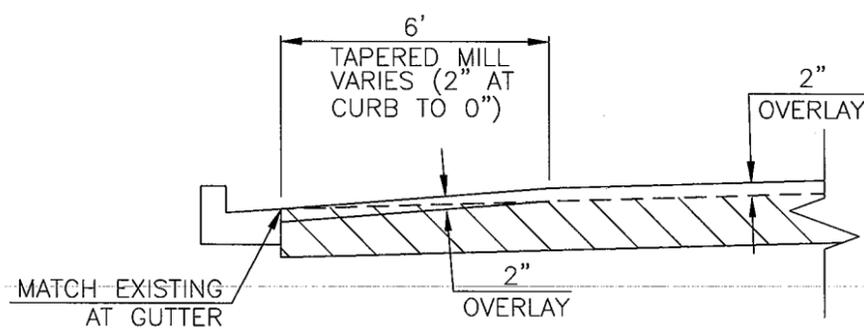
TYPICAL SECTION

NTS

PALM TREE DRIVE-PIERSON ROAD TO 107TH AVENUE

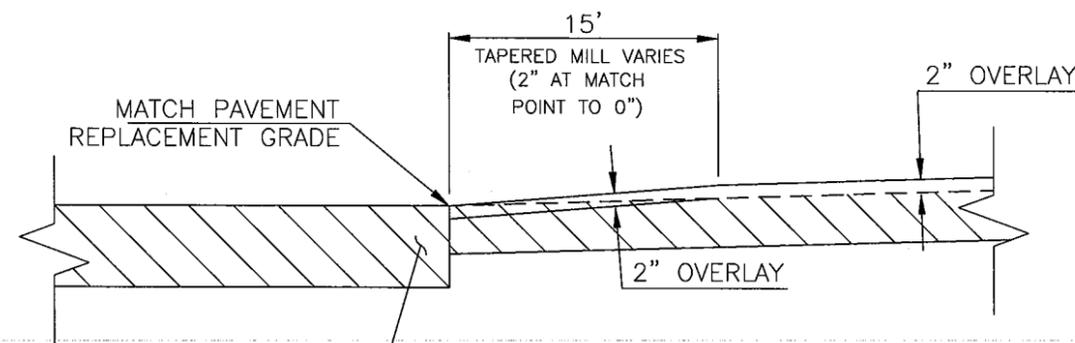
NOTE:

1. ALL EXISTING CURB AND GUTTER IS TO BE PROTECTED IN PLACE EXCEPT WHERE NOTED ON PLANS.



TAPERED MILL DETAIL #1

NTS



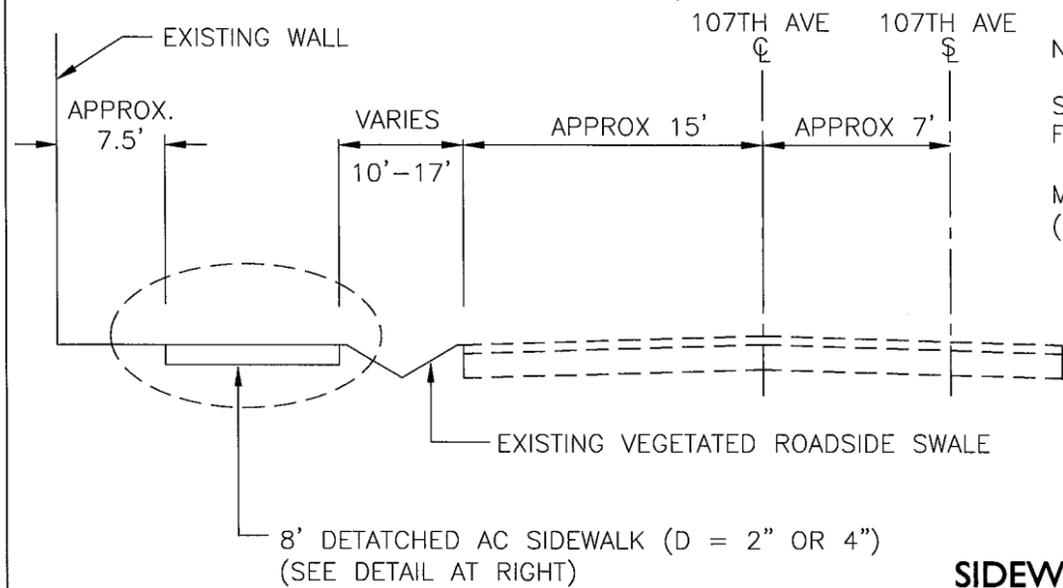
TAPERED MILL DETAIL #2

NTS

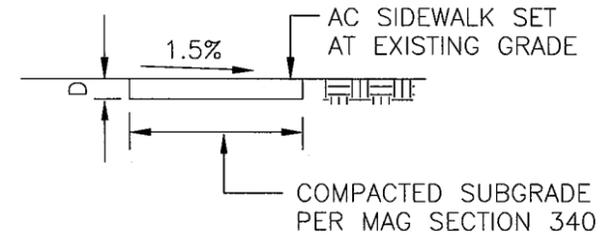
TO BE USED AT INTERSECTION OF OVERLAY SECTIONS AND REPLACEMENT SECTIONS

MILL AND REPLACE (DINERO RD/PALM TREE DR)
 OR PAVEMENT REPLACEMENT (107TH AVE)

	<p>Engineers, Planners & Surveyors 2150-1 S. Country Club Dr., Ste. 21, Mesa, Arizona 85210 Phone (480) 503-2250 Fax (480) 503-2258</p>
	<p>CITY OF PEORIA ENGINEERING DEPARTMENT LAKE PLEASANT ESTATES</p>
<p>ROADWAY TYPICAL SECTIONS</p>	
<p>DESIGNED BY: GF DRAWN BY: RW</p>	<p>CITY OF PEORIA PROJECT NO. P-0807</p>
<p>DRAWING NO. DT01</p>	<p>SHEET 5 OF 14</p>



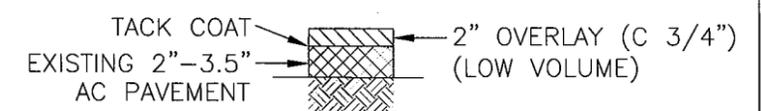
NOTES:
SEE SHEETS PV05 & PV06
FOR SIDEWALK ALIGNMENT
MIX FOR AC IS C-3/4"
(LOW VOLUME)



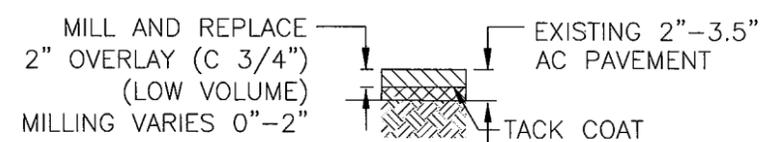
D = 2"
STA 10+34 TO 20+40 &
STA 20+90 TO STA 24+85
D = 4"
STA 20+40 TO STA 20+90

SIDEWALK TYPICAL SECTION
NTS

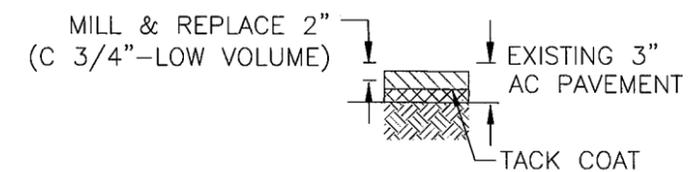
107TH AVENUE - PALM TREE DR TO SACK DR



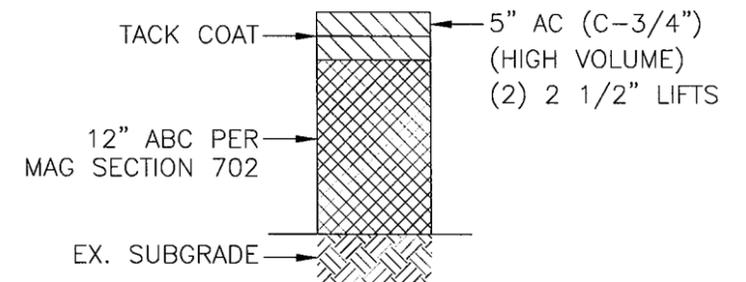
PAVEMENT STRUCTURAL SECTION #1
NTS



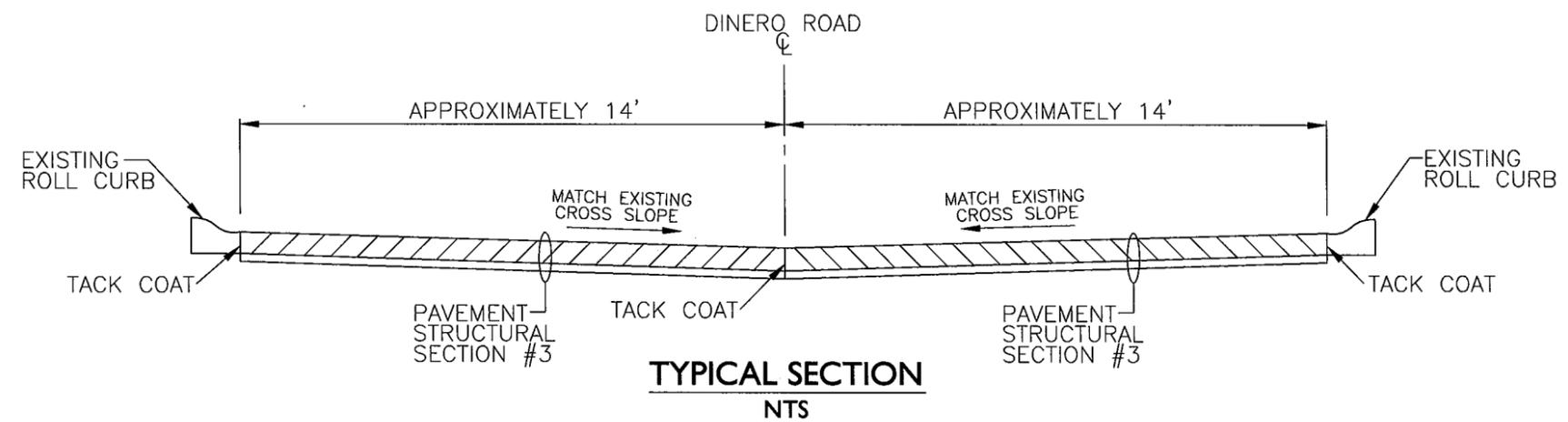
PAVEMENT STRUCTURAL SECTION #2
NTS



PAVEMENT STRUCTURAL SECTION #3
NTS

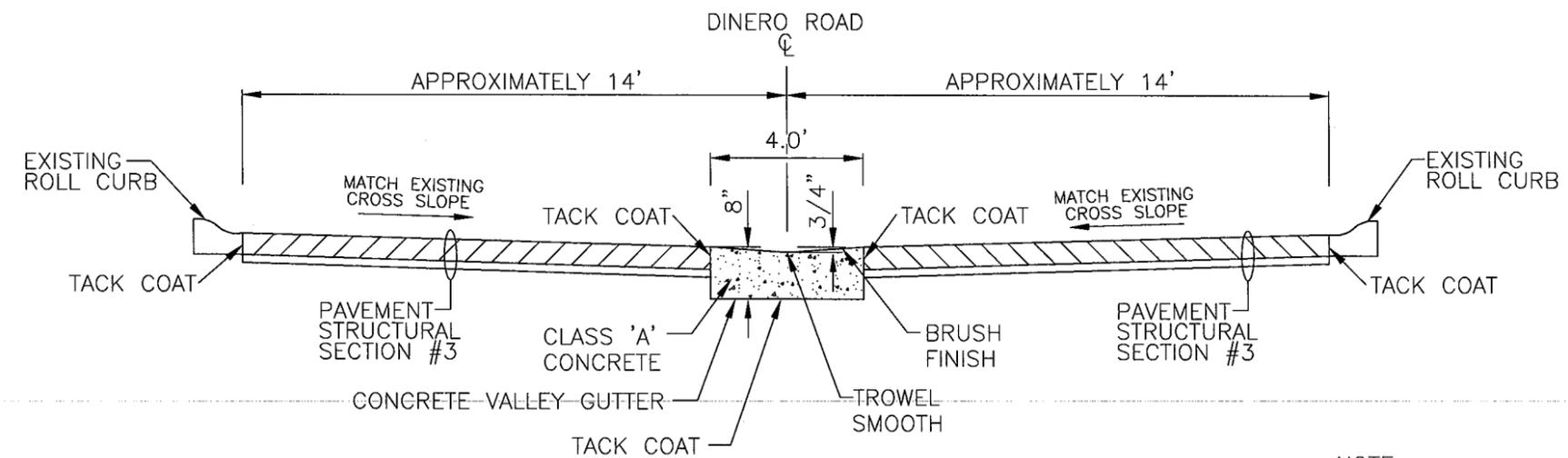


PAVEMENT REPLACEMENT STRUCTURAL SECTION
INTERSECTION OF 107TH AVE & PALM TREE DR,
INTERSECTION OF 107TH AVE & SACK DR
NTS



TYPICAL SECTION
NTS

DINERO ROAD - MARK LANE TO CARNATION DRIVE

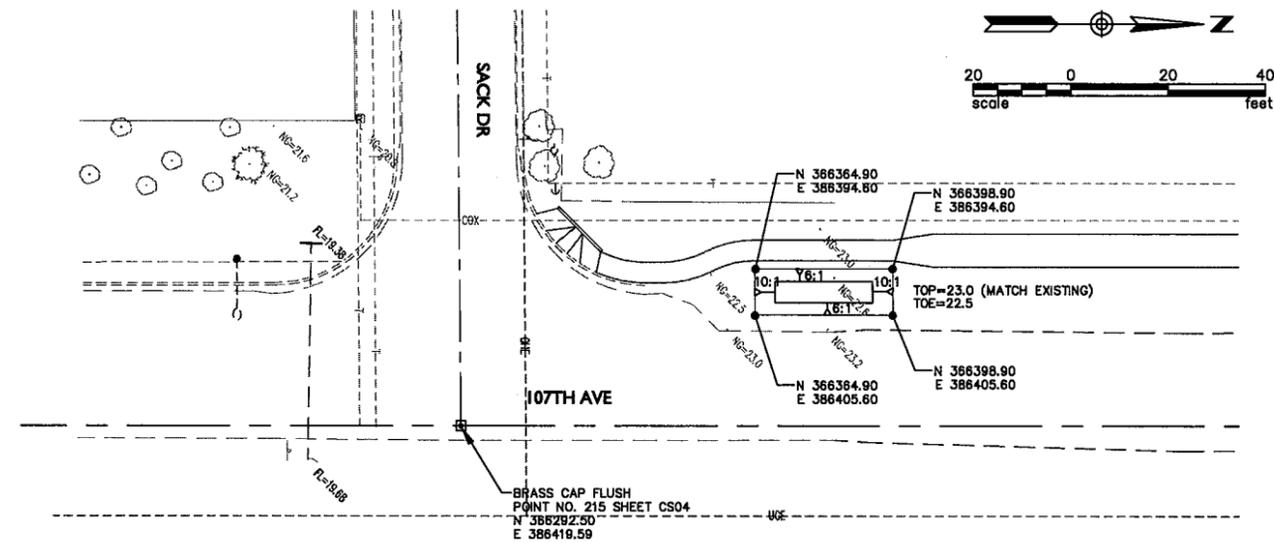


TYPICAL SECTION
MAG DETAIL 202 (MODIFIED)
NTS

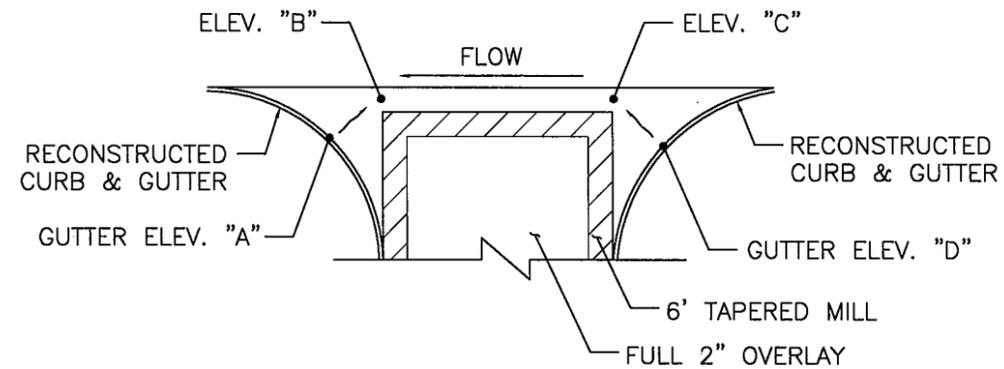
DINERO ROAD - SACK DRIVE TO MARK LANE

NOTE:
1. ALL EXISTING CURB AND GUTTER IS TO BE PROTECTED IN PLACE EXCEPT WHERE NOTED ON PLANS.

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	CITY OF PEORIA ENGINEERING DEPARTMENT LAKE PLEASANT ESTATES	
ROADWAY TYPICAL SECTIONS		
DESIGNED BY: GF DRAWN BY: RW	CITY OF PEORIA PROJECT NO. P-0807	
DRAWING NO. DT02	SHEET 6 OF 14	

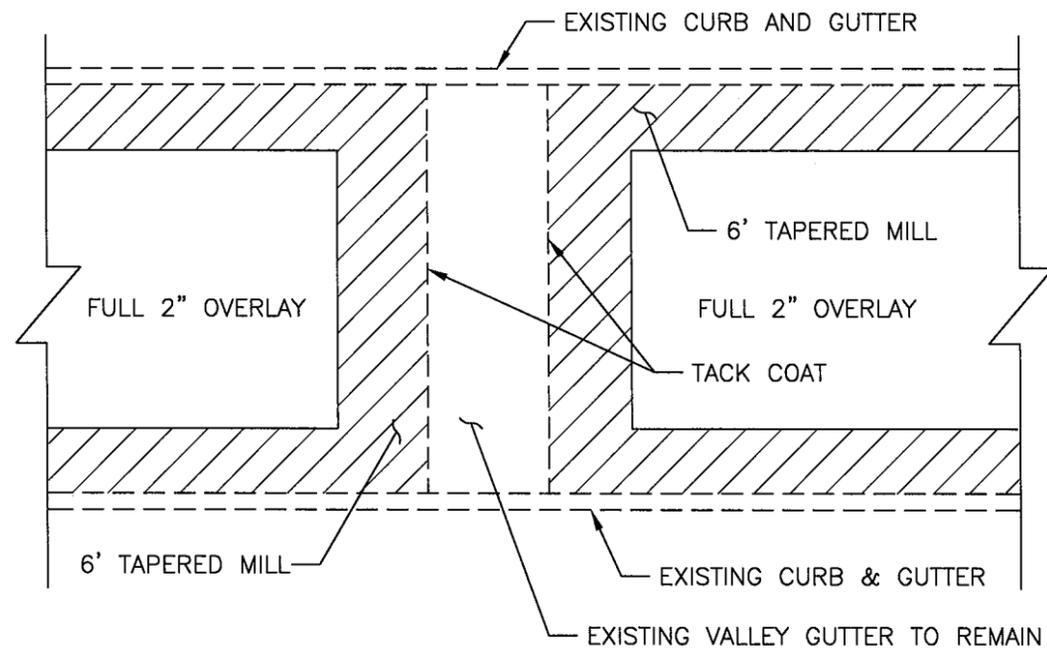


BASIN I



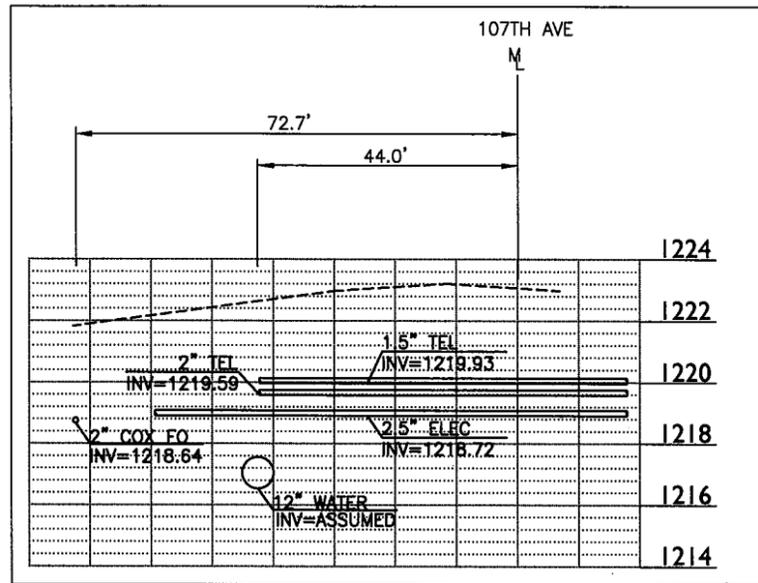
MAG 240 VALLEY GUTTER GRADES
NTS

INTERSECTION LOCATION	A	B	C	D
109TH AVE & MICHAEL DR	1216.11	1216.01	1216.07	1216.14
109TH AVE & JOSIE DR	1215.18	1214.97	1215.15	1215.23
PIERSON RD & MICHAEL DR	1218.88	1218.73	1218.81	1218.97
PIERSON RD & JOSIE DR	1216.21	1216.10	1216.25	1216.39
CARNATION DR & SACK DR	1219.82	1219.52	1219.76	1219.86
109TH AVE & PALM TREE DR	1216.49	1216.40	1216.62	1216.77

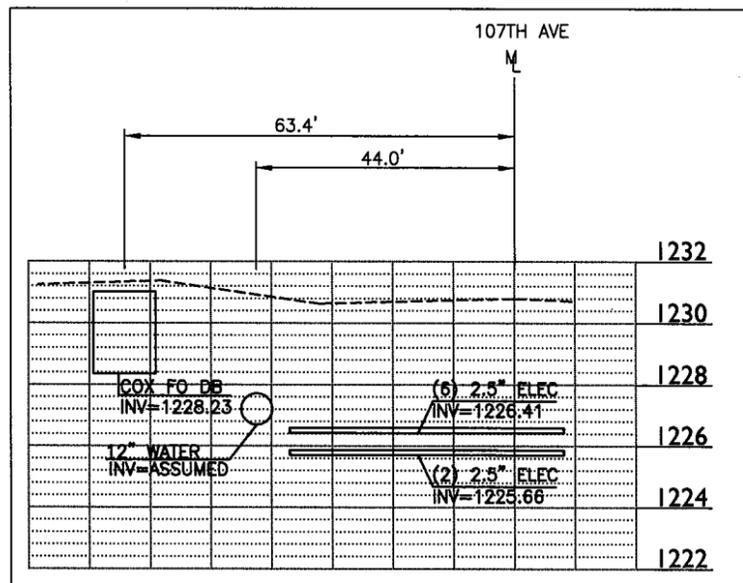


EXISTING VALLEY GUTTER
SACK DR & 109TH AVE
NTS

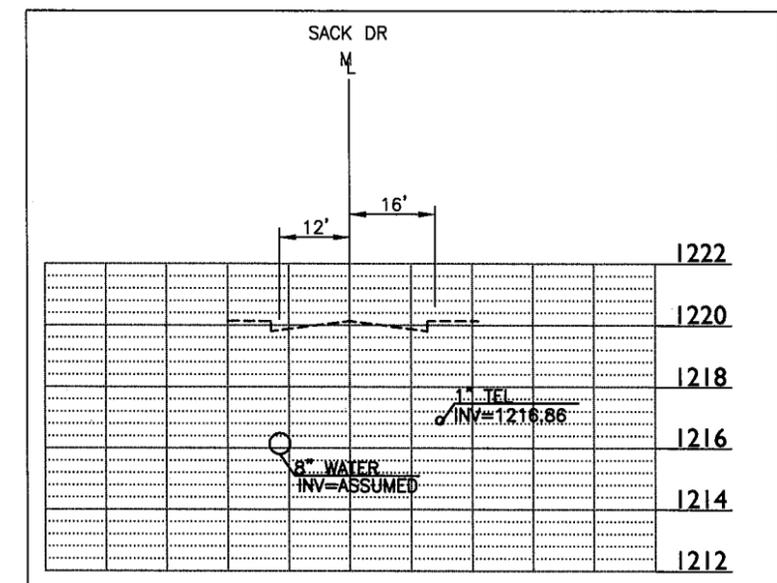
	Geps group, Inc. Engineers, Planners & Surveyors 2150-1 S. Country Club Dr., Ste. 22, Mesa, Arizona 85210 Phone (480) 503-2150 Fax (480) 503-2158
	CITY OF PEORIA ENGINEERING DEPARTMENT LAKE PLEASANT ESTATES
DETAIL SHEET	
DESIGNED BY GF DRAWN BY RW	CITY OF PEORIA PROJECT NO. P-0807
DRAWING NO. DT03	SHEET 7 OF 14



107TH AVE @ SACK DR
(LOOKING NORTH)



107TH AVE @ PALM TREE DR
(LOOKING NORTH)

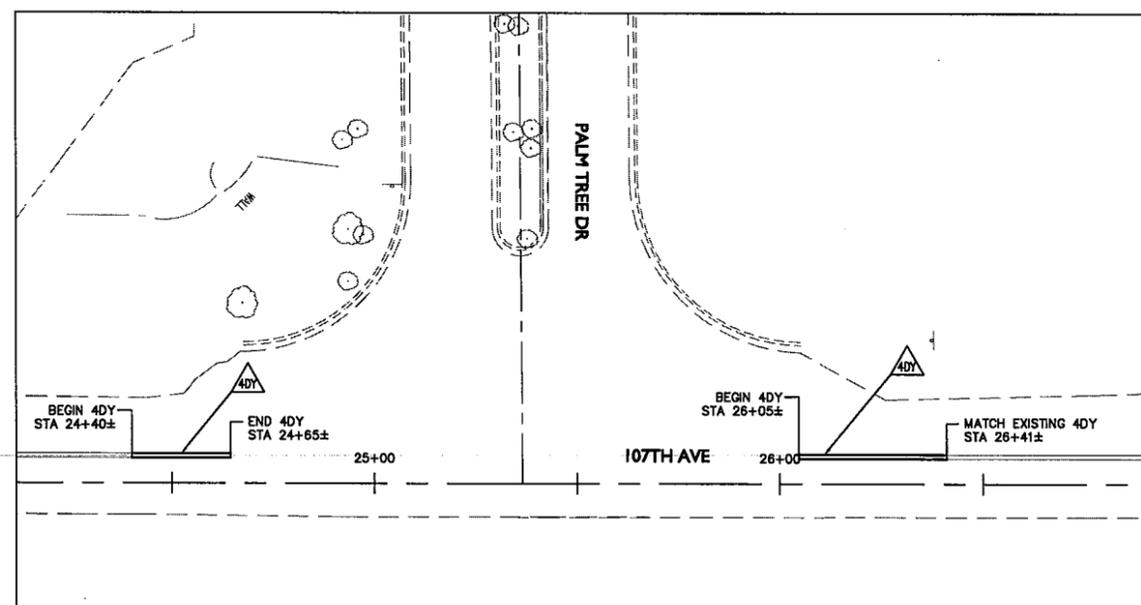
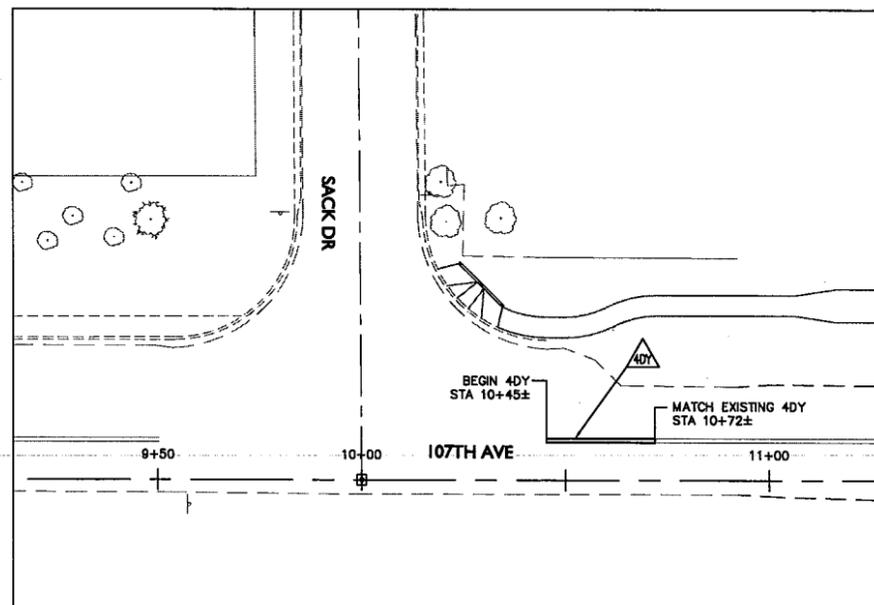
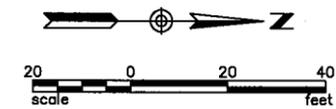
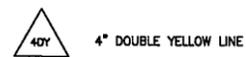


SACK DR @ CARNATION DR
(LOOKING WEST)

EXISTING UTILITY LOCATIONS

STRIPING PLANS AT INTERSECTIONS

LEGEND



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	CITY OF PEORIA ENGINEERING DEPARTMENT LAKE PLEASANT ESTATES
DETAIL SHEET	
DESIGNED BY GF	CITY OF PEORIA PROJECT NO. P-0807
DRAWN BY RW	
DRAWING NO. DT04	SHEET 8 OF 14



CONSTRUCTION NOTES

1	2" PAVEMENT OVERLAY WITH 6" TAPERED MILL PER DT01	12070 SY
4	VALLEY GUTTER PER MAG DETAIL 240 and DT03	128 SY
10	REMOVE AND REPLACE EXISTING CURB & GUTTER PER MAG STANDARD 256 LF DETAIL 220 TYPE "A" - 11'-4"	
15	REMOVE & REPLACE SURVEY MONUMENT (MAG DETAIL 120-1 TYPE B)	9 EA
17	FIRE HYDRANT MARKER PER PEORIA DETAIL PE-362	6 EA

-  2" OVERLAY WITH 6" TAPERED MILL PER DETAIL SHEET DT01
-  2" MILL AND REPLACE PER DETAIL SHEET DT01 & DT02
-  PAVEMENT REPLACEMENT: 5" AC OVER 12" ABC PER DETAIL SHEET DT02
-  3/4" DECOMPOSED GRANITE 2" THICK PER SPECIAL PROVISIONS



CALL THE NUMBER ABOVE
OR VISIT OUR WEBSITE
263-1100
1-800-STAKE-IT
SHOWN GRAPHIC SYMBOLS

eps group, Inc.
Engineers, Planners & Surveyors
2150-1 S. Country Club Dr., Ste. 22, Peoria, Illinois 61614
Phone (309) 693-2259 Fax (309) 693-2258



CITY OF PEORIA
ENGINEERING DEPARTMENT

LAKE PLEASANT ESTATES

PAVING SHEET

DESIGNED BY: GF	CITY OF PEORIA PROJECT NO. P-0807
DRAWN BY: RW	
DRAWING NO. PVO1	SHEET 9 OF 14



CONSTRUCTION NOTES		
1	2" PAVEMENT OVERLAY WITH 6" TAPERED MILL PER DT01	4226 SY
2	2" MILL AND REPLACE PER DT02	4188 SY
15	REMOVE & REPLACE SURVEY MONUMENT (M&O DETAIL 120-1 TYPE B)	8 EA
16	ADJUST WATER VALVE TO GRADE PER PEORIA DETAIL PE-270	1 EA
17	FIRE HYDRANT MARKER PER PEORIA DETAIL PE-362	4 EA
21	TRANSITION FROM PAVEMENT OVERLAY TO MILL & REPLACE PER DT01	NP

-  2" OVERLAY WITH 6" TAPERED MILL PER DETAIL SHEET DT01
-  2" MILL AND REPLACE PER DETAIL SHEET DT01 & DT02
-  PAVEMENT REPLACEMENT: 5" AC OVER 12" ABC PER DETAIL SHEET DT02
-  3" DECOMPOSED GRANITE 2" THICK PER SPECIAL PROVISIONS



CALL FOR BIDDING INFO
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 1-800-STAKE-IT
(SOUTH BEND, INDIANA)

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CITY OF PEORIA
 ENGINEERING DEPARTMENT
 LAKE PLEASANT ESTATES

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DRAWING NO. PV02	SHEET 10 OF 14	



CONSTRUCTION NOTES

1	2" PAVEMENT OVERLAY WITH 6" TAPERED MILL PER DT01	8192 SY
2	2" MILL AND REPLACE PER DT02	3122 SY
4	VALLEY GUTTER PER MAG DETAIL 240 and DT05	32 SY
5	VALLEY GUTTER PER DT02	168 SY
10	REMOVE AND REPLACE EXISTING CURB & GUTTER PER MAG STANDARD DETAIL 220 TYPE "A" - H=4"	84 LF
14	PRESERVE IN PLACE EXISTING VALLEY GUTTER PER SHEET DT03	NPI
15	REMOVE & REPLACE SURVEY MONUMENT (MAG DETAIL 120-1 TYPE B)	9 EA
17	FIRE HYDRANT MARKER PER PEDRA DETAIL PE-362	3 EA
19	REMOVE EXISTING CONCRETE VALLEY GUTTER	17 SY
21	TRANSITION FROM PAVEMENT OVERLAY TO MILL & REPLACE PER DT01	NPI

-  2" OVERLAY WITH 6" TAPERED MILL PER DETAIL SHEET DT01
-  2" MILL AND REPLACE PER DETAIL SHEET DT01 & DT02
-  PAVEMENT REPLACEMENT: 5" AC OVER 12" ABC PER DETAIL SHEET DT02
-  2" DECOMPOSED GRANITE 2" THICK PER SPECIAL PROVISIONS



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PEORIA, ILLINOIS

eps group, inc.
Engineers, Planners & Surveyors
2153-1 S Country Club Dr., Ste. 25, Peoria, Illinois, 61614
Phone (408) 603-2252 Fax (408) 603-2258

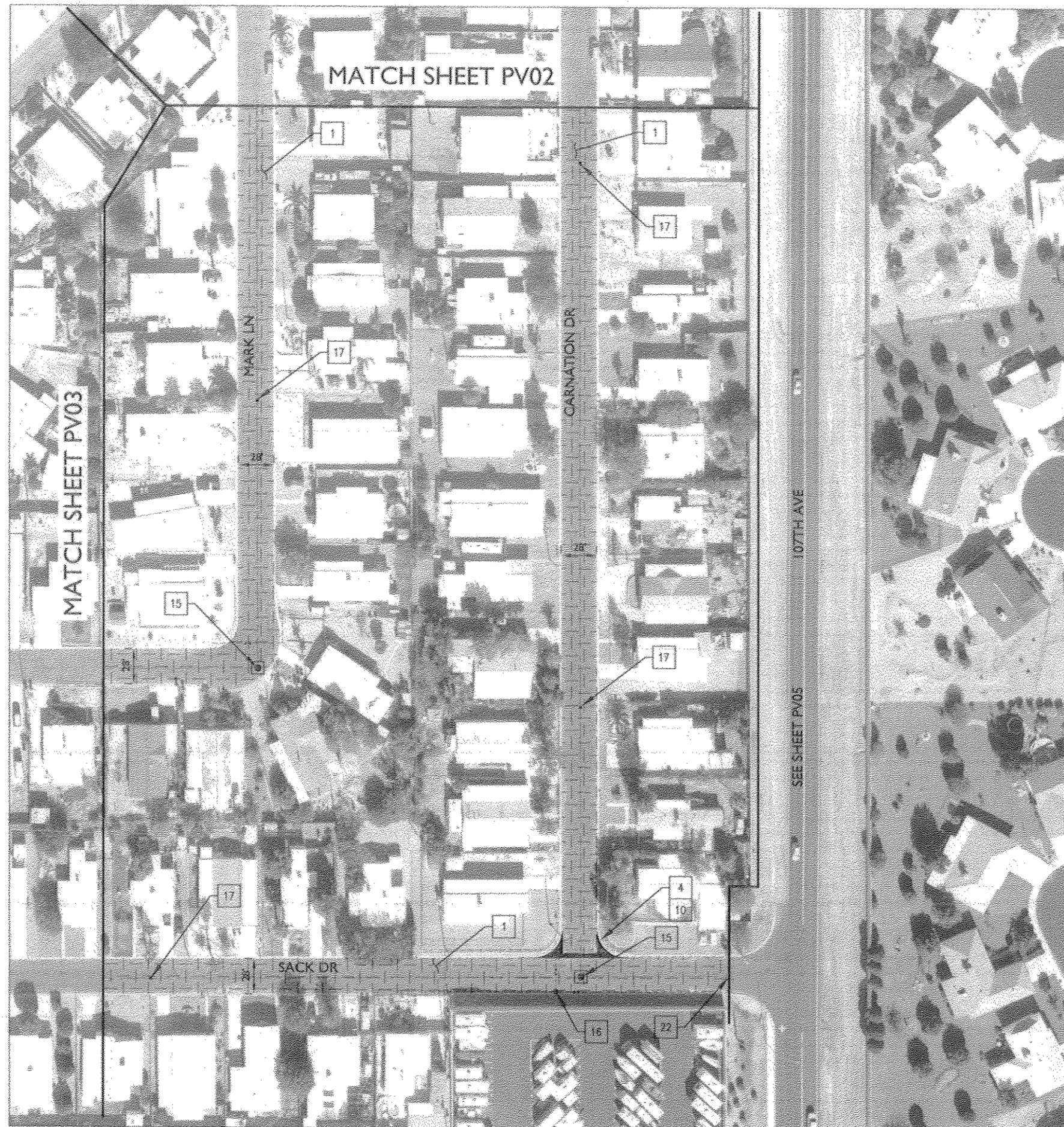


CITY OF PEORIA
ENGINEERING DEPARTMENT

LAKE PLEASANT ESTATES

PAVING SHEET

DESIGNED BY	GF	CITY OF PEORIA PROJECT NO. P-0807
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DRAWING NO.	PV03	SHEET 11 OF 14

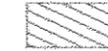


CONSTRUCTION NOTES

1	2" PAVEMENT OVERLAY WITH 6" TAPERED MILL PER DT01	5812 SY
4	VALLEY GUTTER PER MAG DETAIL 240 and DT05	32 SY
10	REMOVE AND REPLACE EXISTING CURB & GUTTER PER MAG STANDARD DETAIL 220 TYPE "A" - H=4"	64 LF
15	REMOVE & REPLACE SURVEY MONUMENT (MAG DETAIL 120-1 TYPE B)	2 EA
18	ADJUST WATER VALVE TO GRADE PER PEDRA DETAIL PE-270	1 EA
17	FIRE HYDRANT MARKER PER PEDRA DETAIL PE-362	4 EA
22	TRANSITION FROM PAVEMENT OVERLAY TO FULL SECTION PAVEMENT REPLACEMENT PER DT01	N/A



2" OVERLAY WITH 6" TAPERED MILL PER DETAIL SHEET DT01



2" MILL AND REPLACE PER DETAIL SHEET DT01 & DT02



PAVEMENT REPLACEMENT: 5" AC OVER 12" ABC PER DETAIL SHEET DT02



8" DECOMPOSED GRANITE 2" THICK PER SPECIAL PROVISIONS



CALL THE STAKE-IT SERVICE HOTLINE
263-1100
1-800-STAKE-IT
(STAKE SERVICE CENTER)

eps group, inc.
 Engineers, Planners & Surveyors
 2150-1 S. Country Club Dr., Ste. 22, Peoria, Arizona 85210
 Phone (480) 505-5200 Fax (480) 505-2258



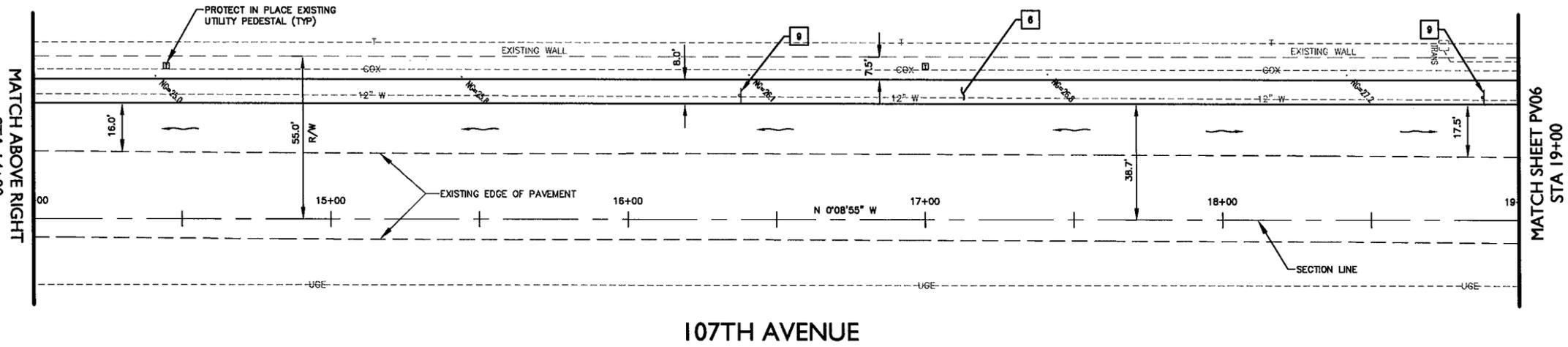
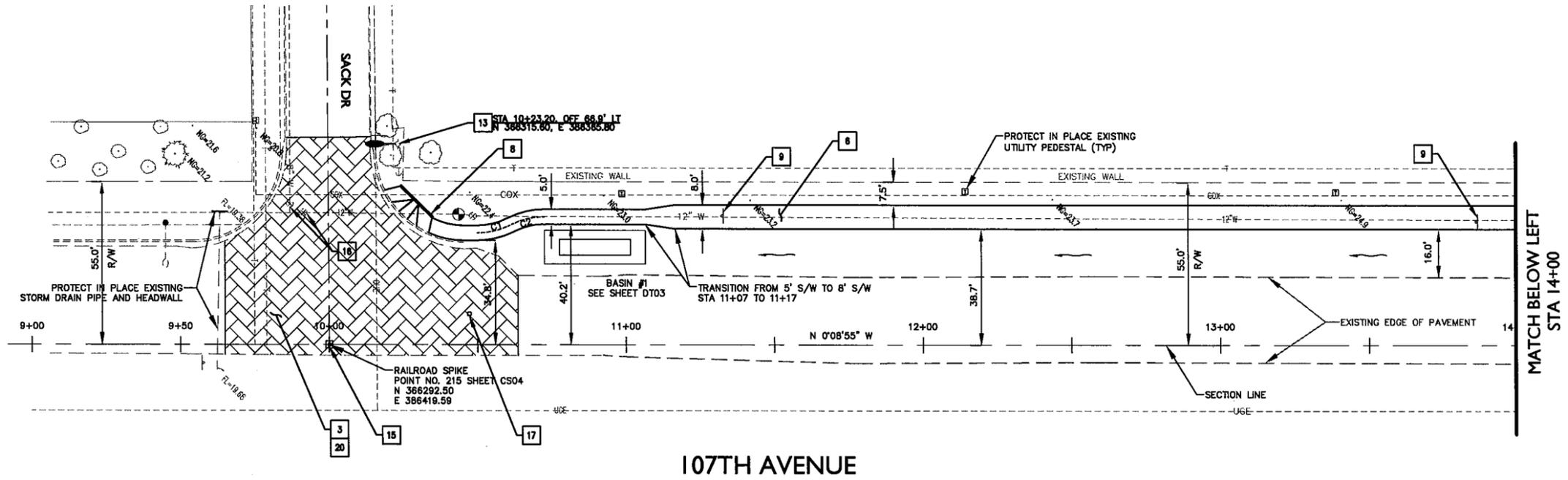
CITY OF PEORIA
 ENGINEERING DEPARTMENT

LAKE PLEASANT ESTATES

PAVING SHEET

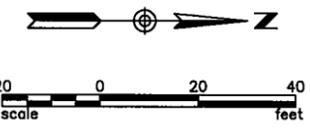
DESIGNED BY	GF	CITY OF PEORIA PROJECT NO. P-0807
DRAWN BY	RW	
DRAWING NO.	PV04	SHEET 12 OF 14

CONSTRUCTION NOTES		
3	PAVEMENT REPLACEMENT - 5" OVER 12" PER DT02	550 SY
6	AC SIDEWALK PER DT02	745 SY
8	SIDEWALK RAMP PER MAG DETAIL 232	1 EA
9	REMOVE AND RESET EXISTING STREET SIGN 2.0' EAST OF NEW S/W PER MUTCO AND PEORIA DETAIL PE-032	4 EA
13	REMOVE EXISTING 7,000 LUMEN LIGHT AND REPLACE WITH NEW 30,000 LUMEN LIGHT. INSTALL LIGHTING SHIELD WITH 2" WRAP AROUND AND 6" DROP AT BACK OF LIGHT. COORDINATE INSTALLATION WITH DONNIE GAUTHIER AT (623) 773-7477. SEE SPECIAL PROVISIONS.	1 EA
15	REMOVE & REPLACE SURVEY MONUMENT (MAG DETAIL 120-1 TYPE B)	1 EA
16	ADJUST WATER VALVE TO GRADE PER PEORIA DETAIL PE-270	2 EA
17	FIRE HYDRANT MARKER PER PEORIA DETAIL PE-362	1 EA
20	REMOVE EXISTING PAVEMENT	550 SY



-  2" OVERLAY WITH 6" TAPERED MILL PER DETAIL SHEET DT01
-  2" MILL AND REPLACE PER DETAIL SHEET DT01 & DT02
-  PAVEMENT REPLACEMENT: 5" AC OVER 12" ABC PER DETAIL SHEET DT02
-  1/2" DECOMPOSED GRANITE 2" THICK PER SPECIAL PROVISIONS

CURVE	LENGTH	RADIUS	CHORD	DELTA
C1	11.42	25.00	11.32	26°09'41"
C2	11.42	25.00	11.32	26°09'41"



CALL TWO WORKING PERS BEFORE YOU GO
263-1100
1-800-STAKE-IT
(SURVEY WORKERS ONLY)

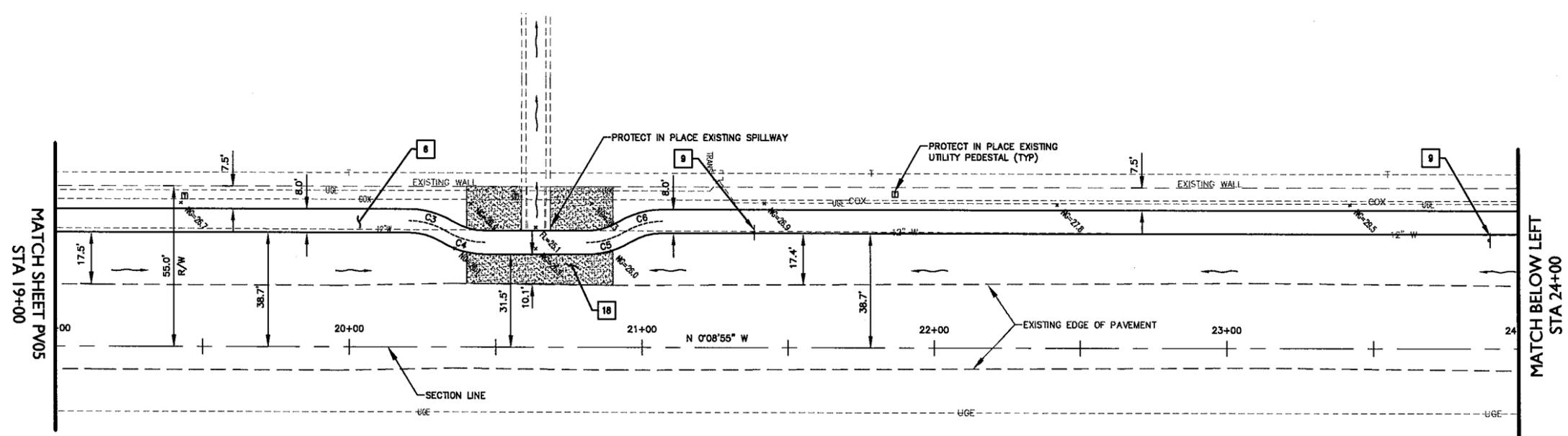
Geps group, Inc.
Engineers, Planners & Surveyors
2150-1 S. Country Club Dr., Sta. 22, Mesa, Arizona 85210
Phone (480) 503-2250 Fax (480) 503-2256

CITY OF PEORIA
ENGINEERING DEPARTMENT

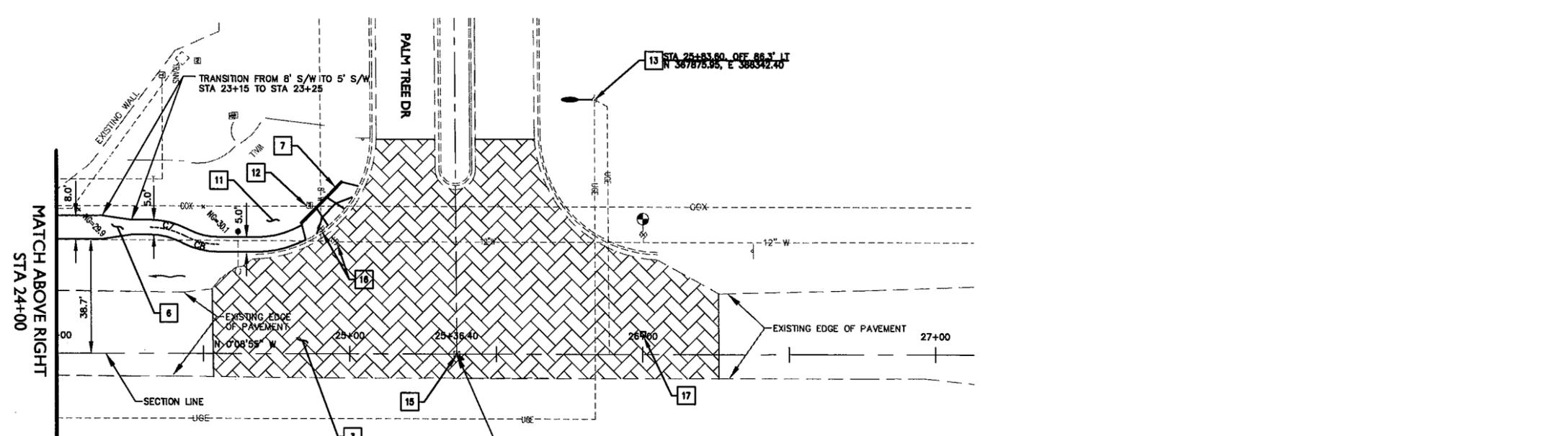
LAKE PLEASANT ESTATES

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I07TH AVENUE



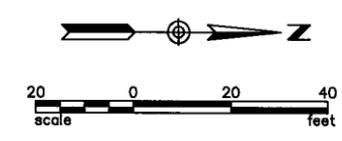
I07TH AVENUE

CONSTRUCTION NOTES		
3	PAVEMENT REPLACEMENT - 5" OVER 12" PER DT02	1065 SY
6	AC SIDEWALK PER DT02	520 SY
7	SIDEWALK RAMP PER MAG DETAIL 231	1 EA
9	REMOVE AND RESET EXISTING STREET SIGN 2.0' EAST OF NEW S/W REMOVE PER MUTCD AND PEORIA DETAIL PE-032	2 EA
11	REPLACE EXISTING LANDSCAPING IN KIND	NPI
12	EXISTING CABLE BOX TO BE RELOCATED BY COX COMMUNICATIONS	NPI
13	REMOVE EXISTING 7,000 LUMEN LIGHT AND REPLACE WITH NEW 30,000 LUMEN LIGHT. SEE SPECIAL PROVISIONS.	1 EA
15	REMOVE & REPLACE SURVEY MONUMENT (MAG DETAIL 120-1 TYPE B)	1 EA
16	ADJUST WATER VALVE TO GRADE PER PEORIA DETAIL PE-270	2 EA
17	FIRE HYDRANT MARKER PER PEORIA DETAIL PE-362	1 EA
18	DECOMPOSED GRANITE - 1/2" SCREENED MADISON GOLD	120 SY
20	REMOVE EXISTING PAVEMENT	1065 SY

-  2" OVERLAY WITH 6" TAPERED MILL PER DETAIL SHEET DT01
-  2" MILL AND REPLACE PER DETAIL SHEET DT01 & DT02
-  PAVEMENT REPLACEMENT: 5" AC OVER 12" ABC PER DETAIL SHEET DT02
-  1/2" DECOMPOSED GRANITE 2" THICK PER SPECIAL PROVISIONS

CURVE TABLE AT CENTER OF SIDEWALK

CURVE	LENGTH	RADIUS	CHORD	DELTA
C3	13.52	25.00	13.36	30°59'48"
C4	13.52	25.00	13.36	30°59'48"
C5	13.52	25.00	13.36	30°59'48"
C6	13.52	25.00	13.36	30°59'48"
C7	11.74	25.00	11.64	28°54'56"
C8	11.74	25.00	11.64	28°54'56"



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(OUTSIDE MARICOPA COUNTY)

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CITY OF PEORIA
ENGINEERING DEPARTMENT

LAKE PLEASANT ESTATES

PAVING SHEET

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CITY OF PEORIA PROJECT NO. P-0807

DRAWING NO. PV06
SHEET 14 OF 14