

CITY OF MESA GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL CONFORM TO THE CURRENT UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION AS FURNISHED BY THE MARICOPA ASSOCIATION OF GOVERNMENTS AND AS AMENDED BY THE CITY OF MESA. ALL WORK AND MATERIALS NOT IN CONFORMANCE WITH THESE AMENDED SPECIFICATIONS AND DETAILS ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.

2. SEPARATE RIGHT-OF-WAY PERMITS ARE REQUIRED FOR ALL PUBLIC UTILITIES, PUBLIC STREET IMPROVEMENTS, AND RIGHT-OF-WAY LANDSCAPING. FOR INFORMATION REGARDING AVAILABILITY AND COST OF RIGHT-OF-WAY PERMITS, CONTACT THE DEVELOPMENT SERVICES DEPARTMENT AT (480) 644-4273 OR AT [HTTP://WWW.MESA.AZ.GOV/DEVSUSTAIN/CONSTRUCTIONPERMITS.ASPX](http://www.mesaaz.gov/devsustain/constructionpermits.aspx). THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED UNLESS OTHERWISE NOTED. CONTRACTORS MUST HOLD THE APPROPRIATE CLASS OF LICENSE AND SHALL HAVE ON FILE WITH THE PERMIT SERVICES SECTION PROOF OF INSURANCE COVERAGE. PERMITS BECOME INVALID AND MUST BE REOBTAINED IF WORK HAS NOT BEGUN WITHIN NINETY (90) DAYS. PERMITS ALSO BECOME INVALID IF THE CONTRACTOR'S INSURANCE LAPSES OR IS VOIDED.

3. TWENTY FOUR (24) HOURS PRIOR TO THE COMMENCEMENT OF ANY WORK, CONSTRUCTION OR INSTALLATIONS ASSOCIATED WITH THIS PERMIT, THE PERMITTEE SHALL NOTIFY CITY OF MESA ENGINEERING DEPARTMENT AT (480) 644-2251 OF INTENT TO BEGIN AND REQUEST/SCHEDULE PRELIMINARY FIELD REVIEW AT THE PROJECT SITE WITH THE CITY OF MESA ENGINEERING DEPARTMENT CONSTRUCTION INSPECTOR (CITY INSPECTOR). FAILURE TO PROVIDE PROPER INSPECTION NOTIFICATION AS PRESCRIBED ABOVE SHALL RESULT IN THIS PERMIT BECOMING INVALID AND WORK BEING STOPPED.

4. CONTRACTOR'S SHALL COMPLY WITH THE REQUIREMENTS TO OBTAIN THE NECESSARY RIGHT-OF-WAY PERMITS AND SHALL COMPLY WITH THE RIGHT-OF-WAY PERMIT CONDITIONS AS FOUND ON THE BACK OF THE PERMIT FORM.

5. THE CITY OF MESA PARKS & RECREATION DIVISION IS NOT REPRESENTED BY BLUE STAKE. WHEN THE CONTRACTOR EXCAVATES NEAR OR ADJACENT TO A CITY PARK, THE CONTRACTOR SHALL CONTACT THE PARKS & RECREATION ADMINISTRATION SECTION AT (480) 644-2354 TO REQUEST ASSISTANCE IN LOCATING ALL THEIR UNDERGROUND FACILITIES.

6. THE CONTRACTOR SHALL OBTAIN AN EARTH-MOVING PERMIT FROM THE MARICOPA COUNTY ENVIRONMENTAL SERVICES DEPARTMENT AND SHALL COMPLY WITH ITS REQUIREMENTS FOR DUST CONTROL.

7. THE ENGINEER HEREBY CERTIFIES AS EVIDENCED BY A PROFESSIONAL SEAL & SIGNATURE, THAT ALL AFFECTED UTILITY COMPANIES BOTH PUBLIC AND PRIVATE HAVE BEEN CONTACTED AND ALL EXISTING AND/OR PROPOSED UTILITY LINES AND OTHER RELATED INFORMATION HAVE BEEN TRANSFERRED ONTO THESE PLANS. THE ENGINEER OR ARCHITECT ALSO HEREBY CERTIFIES THAT ALL EXISTING AND/OR PROPOSED PUBLIC RIGHT-OF-WAY AND EASEMENTS HAVE BEEN CORRECTLY PLOTTED/SHOWN.

8. THE ENGINEER, OR LAND SURVEYOR OF RECORD SHALL CERTIFY UPON COMPLETION OF CONSTRUCTION THAT ALL PUBLIC IMPROVEMENTS (WATER AND SEWER UTILITIES, STORM SEWER, CONCRETE, PAVING, STREET LIGHTS, ETC.) HAVE BEEN INSTALLED AT THE LOCATIONS AND ELEVATIONS SHOWN ON THE APPROVED PLANS. ANY CHANGES SHALL BE REFLECTED ON "AS-BUILT" DRAWINGS PROVIDED BY THE ENGINEER TO THE CITY'S ENGINEERING DEPARTMENT.

9. THE REGISTERED ENGINEER OR LAND SURVEYOR SHALL CERTIFY THAT THE MINIMUM HORIZONTAL AND VERTICAL SEPARATIONS BETWEEN UTILITIES WITHIN PUBLIC RIGHT-OF-WAY AND EASEMENTS HAVE BEEN MAINTAINED AS REQUIRED BY LAW OR POLICY.

10. THE DEVELOPER SHALL PROVIDE ALL CONSTRUCTION STAKING FOR THE PROJECT.

11. THE DEVELOPER OR THE ENGINEER IS RESPONSIBLE FOR ARRANGING FOR THE RELOCATION OR REMOVAL OF ALL UTILITIES OR FACILITIES THAT ARE IN CONFLICT WITH THE PROPOSED PUBLIC IMPROVEMENTS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE RELOCATION OF ALL UTILITIES, POWER POLES, IRRIGATION DRY-UPS, RESETS REMOVALS BY OTHERS, ETC.

12. THE CONTRACTORS SHALL LOCATE ALL UTILITIES PRIOR TO EXCAVATION AND AVOID DAMAGE TO SAME. CALL (602) 263-1100 FOR BLUE STAKE TWO WORKING DAYS PRIOR TO DIGGING. CALL SALT RIVER PROJECT FOR POLE BRACING, ELECTRIC SERVICE OR CONSTRUCTION SCHEDULING AT (602) 273-8888.

13. WHEN GAS MAINS AND/OR SERVICES ARE EXPOSED, CONTACT THE CITY OF MESA AT (480) 644-2261 FOR INSPECTION OF THE EXPOSED PIPE AND COATING PRIOR TO BACKFILLING OF THE TRENCH.

14. CONTRACTORS SHALL COMPLY WITH THE PROVISIONS FOR TRAFFIC CONTROL AND BARRICADING PER THE CURRENT CITY OF MESA TRAFFIC BARRICADE MANUAL.

15. IF A FIRE HYDRANT IS NEEDED TO OBTAIN CONSTRUCTION WATER, THE CONTRACTOR SHALL OBTAIN A FIRE HYDRANT METER FROM PERMIT SERVICES AND PAY ALL APPLICABLE FEES AND CHARGES.

16. IF DURING THE CONSTRUCTION OF A PUBLIC FACILITY, THE CONTRACTOR FAILS TO OR IS UNABLE TO COMPLY WITH A REQUEST OF THE CITY INSPECTOR, AND IT IS NECESSARY FOR CITY FORCES TO DO WORK THAT IS NORMALLY THE CONTRACTOR'S RESPONSIBILITY, THE CITY SHALL BE JUSTIFIED IN BILLING THE CONTRACTOR. EACH INCIDENT REQUIRING WORK BY CITY FORCES SHALL BE COVERED BY A SEPARATE BILLING AT THE CURRENT APPLICABLE RATES.

17. THE CONTRACTOR IS ADVISED THAT DAMAGE TO PUBLIC SERVICES OR SYSTEMS AS A RESULT OF THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR AND INSPECTED BY THE CITY INSPECTOR. UNLESS OTHERWISE APPROVED BY THE CITY, ALL REPAIRS SHALL BE DONE WITHIN 24 HOURS. THE CONTRACTOR IS ADVISED THAT ANY COSTS RELATED TO REPAIR OR REPLACEMENT OF DAMAGED PUBLIC SERVICES AND SYSTEMS AS A RESULT OF CONTRACTOR'S ACTIVITIES SHALL BE BORNE BY THE CONTRACTOR.

CITY OF MESA NOTES:

THE APPLICANT HEREBY REPRESENTS THAT THESE CONSTRUCTION DOCUMENTS COMPLY WITH ALL ZONING APPROVALS, DESIGN REVIEW BOARD APPROVALS, BUILDING AND ENGINEERING STANDARDS AND ALL APPLICABLE REQUIREMENTS OF THE CITY OF MESA CODE. THE APPLICANT ACKNOWLEDGES AND AGREES ANY DEVIATION FROM OR FAILURE TO COMPLY WITH THE REQUIREMENT OF ANY SUCH APPROVAL OF STANDARD WILL RESULT IN ADDITIONAL PENALTIES AND/OR ENFORCEMENT ACTIONS AS APPROVALS OF THE CONSTRUCTION DOCUMENTS SHALL NOT IMPLY APPROVALS OF ANY DEVIATION FROM THE PLANS APPROVED AND STIPULATED BY DESIGN REVIEW BOARD, AND CITY COUNCIL, OR FORM BUILDING AND ENGINEERING STANDARDS.

VERTICAL CONSTRUCTION WITH COMBUSTIBLE MATERIAL SHALL NOT BEGIN PRIOR TO ACCEPTANCE OF FIRE ACCESS ROADS AND FIRE HYDRANTS. IFC 501.4

STRUCTURE CONSTRUCTION, ALTERATION, OR DEMOLITION SHALL COMPLY WITH REQUIREMENTS OF IFC CHAPTER 14 AND NFPA 241. IFC 1401.1

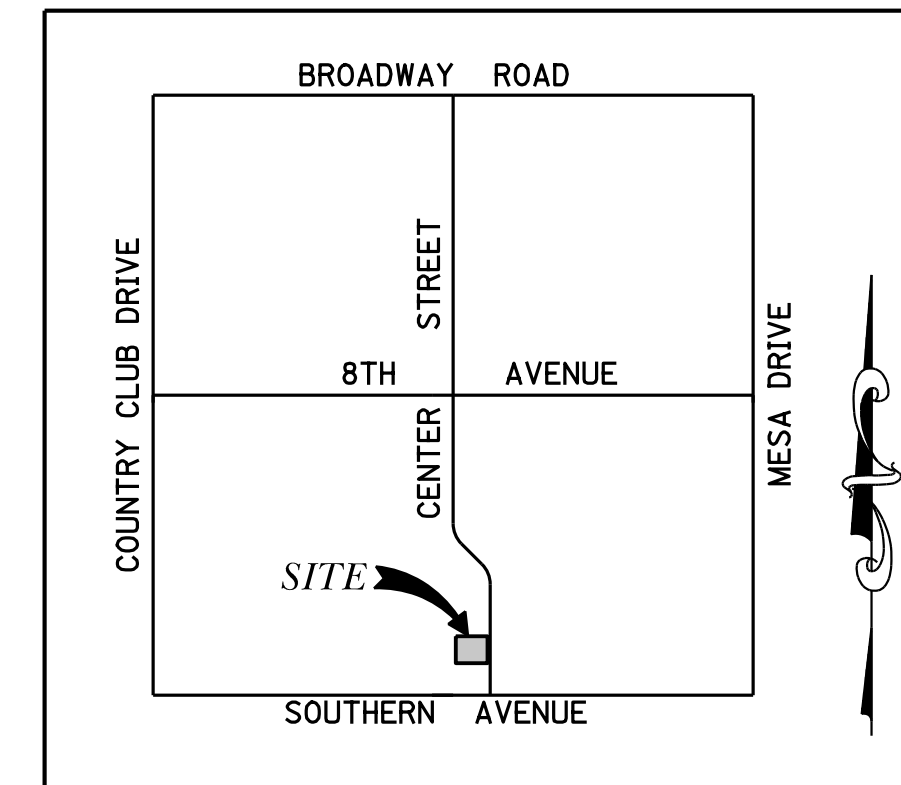
GRADING AND DRAINAGE PLAN

FOR

ARIZONA MESA RECYCLE

MARICOPA COUNTY, ARIZONA

LOCATED IN A PORTION OF THE SOUTH HALF OF THE SOUTHEAST QUARTER OF SECTION 27, TOWNSHIP 1 NORTH,
RANGE 5 EAST OF THE GILA AND SALT RIVER MERIDIAN, MARICOPA COUNTY, ARIZONA



VICINITY MAP

OWNER:

SA RECYCLING
CONTACT: ROBIN ROBINSON
EMAIL: RROBINSON@SARECYCLING.COM
PHONE: (714) 412-7526

APN NUMBER:

APN 139-32-018 & APN 139-32-019
(NOTE: LOT COMBINATION SUBMITTED IN CONJUNCTION WITH PLANS)

AREA:

139-32-018
21,127 SF = 0.485 ACRE

139-32-019
21,127 SF = 0.485 ACRE

ADDRESS:

1124 & 1134 S. CENTER STREET
MESA AZ 85210

BENCHMARK:

MESA CITY BENCHMARK, P.K. NAIL WITH BRASS TAG T.C.

CITY OF MESA BENCHMARK
CONC. NAIL WITH WASHER
TOP OF CURB NORTHWEST CORNER
BASELINE AND MESA ROADS

EL=1213.48 NAVD '88

BASIS OF BEARING:

THE MONUMENT OF CENTER STREET PER BOOK 150 OF MAPS, PAGE 41, M.C.R.
BEARS 00° 00' 20" W

LEGAL DESCRIPTION:

LOT 16 AND 17, OF MESA SPUR, ACCORDING TO THE PLAT RECORDED IN BOOK 105 OF MAPS, PAGE 41 M.C.R.

AS-BUILT CERTIFICATION:

I CERTIFY, BASED ON FIELD VERIFICATION, THAT THIS SET OF AS-BUILT PLANS ACCURATELY REFLECTS THE CONDITIONS AS THEY EXIST ON THE PROPERTY. I FURTHER CERTIFY AS FOLLOWS:

- A.) THAT THE DEVELOPMENT HAS BEEN CONSTRUCTED SUBSTANTIALLY IN ACCORDANCE WITH THE APPROVED GRADING AND DRAINAGE PLANS AND THE IMPROVEMENTS PLANS.
- B.) THAT THE DRAINAGE SYSTEM SHALL FUNCTION AS DESIGNED AND PERMITTED.
- C.) BASED ON TESTING DATA FOR THIS PROJECT, THE RETENTION SYSTEM WILL FUNCTION AS DESIGNED TO DRAIN WITHIN 36 HOURS PER MARICOPA COUNTY REQUIREMENTS.

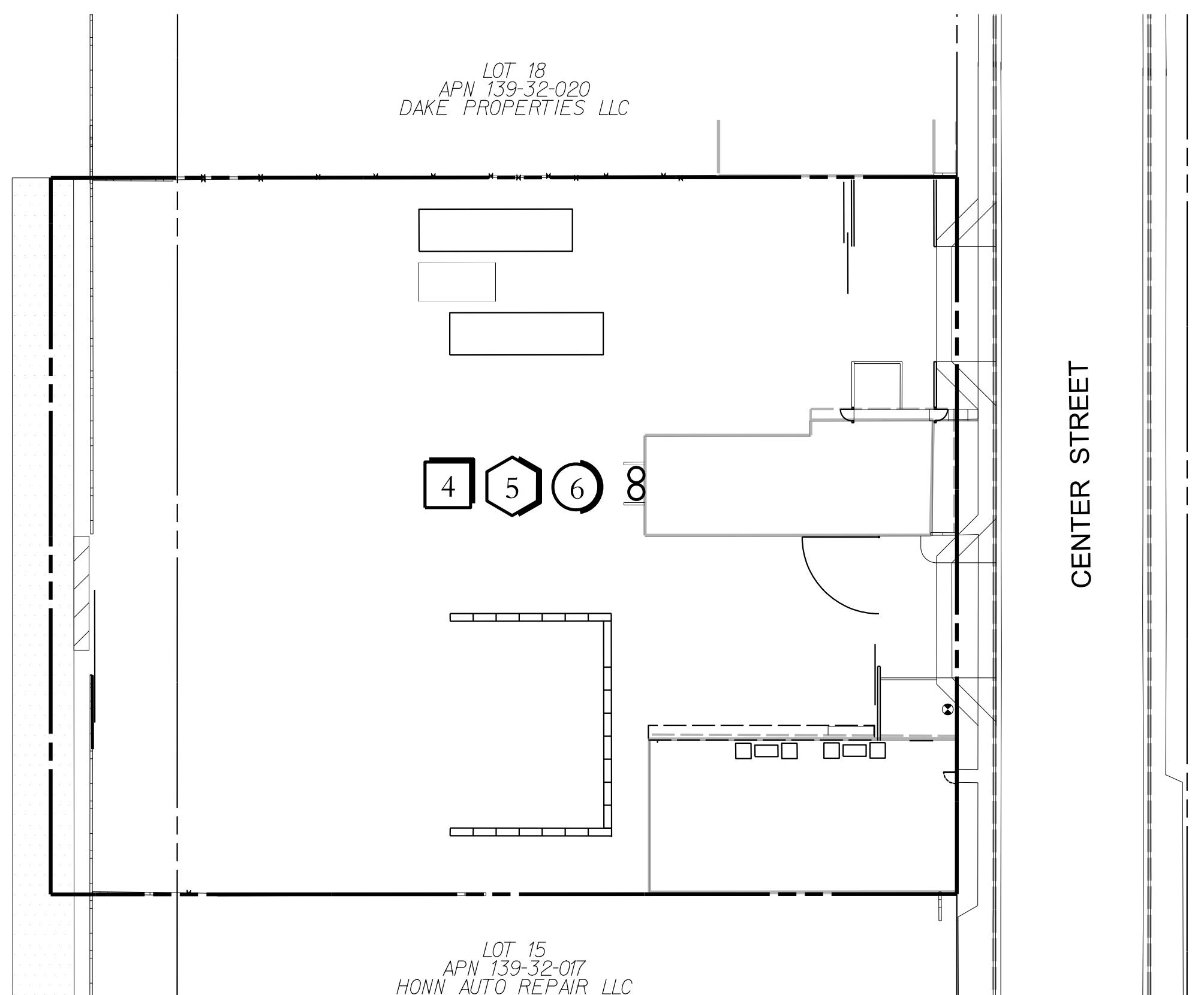
NAME _____ DATE _____

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
GD01	COVER SHEET
GD02	NOTES
GD03	DETAILS
GD04	DEMOLITION PLAN
GD05	GRADING & DRAINAGE PLAN
GD06	UNDERGROUND RETENTION PLAN

EARTHWORK:

FOR ESTIMATING ONLY.
ENGINEER MAKES NO GUARANTEE OF ACCURACY.
NO SHRINK OR SWELL IS ASSUMED.

EARTHWORK QUANTITIES		
DESCRIPTION	QTY.	UNIT
CUT (RAW)	100	C.Y.
FILL (RAW)	10	C.Y.

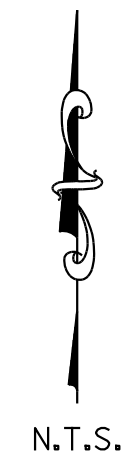


SHEET LEGEND:

- 4 DEMOLITION PLAN SHEET
- 5 GRADING & DRAINAGE PLAN SHEET
- 6 STORM DRAIN & UNDERGROUND RETENTION PLAN SHEET

LEGEND

- INDICATES PROPERTY / BOUNDARY LINE
- 1190 — INDICATES EXISTING CONTOUR ELEVATION
- 92 — INDICATES PROPOSED CONTOUR ELEVATION
- 76.5 — INDICATES EXISTING SPOT ELEVATION
- TC: 14.75
G: 14.25 INDICATES EXISTING TOP OF CURB & GUTTER ELEV.
- P: 13.91 INDICATES EXISTING PAVEMENT ELEVATION
- C: 15.25 INDICATES EXISTING CONCRETE ELEVATION
- 15.0 INDICATES PROPOSED GROUND ELEVATION
- 1% INDICATES DIRECTION OF FLOW & SLOPE
- TC= _____ INDICATES PROPOSED TOP OF CURB & GUTTER ELEV.
- G= _____
- P= _____ INDICATES PROPOSED PAVEMENT ELEVATION
- C= _____ INDICATES PROPOSED TOP OF CONC. ELEVATION
- x GB _____ INDICATES PROPOSED GRADE BREAK
- (52.21) INDICATES TOP OF CURB ELEVATION
- FG FINISHED GRADE
- FF= _____ INDICATES PROPOSED FINISHED FLOOR ELEVATION
- PAD= _____ INDICATES PROPOSED PAD ELEVATION
- INDICATES PROPOSED CATCH BASIN
- INDICATES PROPOSED STORM DRAIN PIPE
- INDICATES PROPOSED DRYWELL
- LPX INDICATES EXISTING LIGHT POLE
- ETX INDICATES EXISTING ELECTRIC TRANSFORMER
- EBO INDICATES EXISTING ELECTRIC BOX
- WMO INDICATES EXISTING WATER METER
- BWV INDICATES EXISTING BACKFLOW PREVENTER VALVE
- T INDICATES EXISTING BURIED TELEPHONE CONDUIT
- E INDICATES EXISTING BURIED ELECTRIC CONDUIT
- 8" W INDICATES EXISTING WATER LINE, VALVE & SIZE
- FH INDICATES EXISTING FIRE HYDRANT
- 8" S INDICATES EXISTING SEWER LINE & SIZE
- D/W INDICATES REQUIRED D/W LOCATION
- FL FLOWLINE



SOUTHERN PACIFIC RAILROAD

SOUTHERN AVENUE

Contact Arizona 911 at least two full working days before you begin excavation
Call 911 or click Arizona911.com

ARIZONA MESA RECYCLE
ARIZONA 85210
COVER SHEET



EXPIRES: 12/31/2024

300engineering planning civil engineering surveying
 ENGINEER: M. MANCINI (REGISTERED IN ARIZONA) (CAD TECH.: D. DANFORTH) (COPYRIGHT 2024, 3 ENGINEERING, LLC)

3 ENGINEERING, LLC
6370 E. THOMAS ROAD
SUITE 200
SCOTTSDALE, ARIZONA 85251
PHONE: (602) 334-4387
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WWW.3ENGINEERING.COM

DATE: 11/22/24

PROJECT NO.
5326

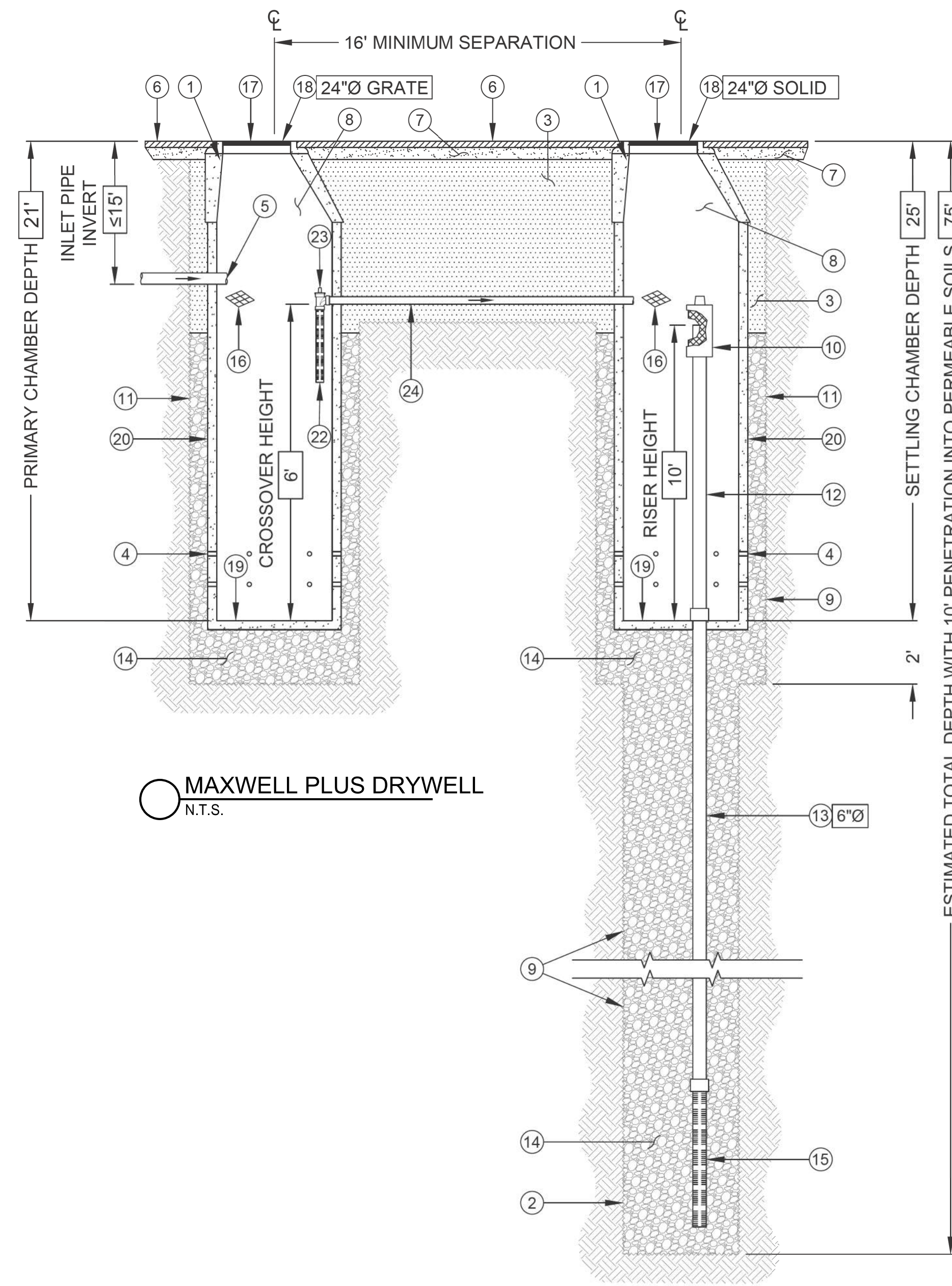
SHEET NO.
GD01
1 of 6

3 ENGINEERING GENERAL NOTES:

- MARICOPA ASSOCIATION OF GOVERNMENTS (M.A.G.) UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION) INCLUDING LATEST REVISION AND CURRENT SUPPLEMENTALS THEREOF PER THE LOCAL TOWN OR CITY ARE INCORPORATED INTO THIS PLAN IN THEIR ENTIRETY.
- ALL WORK REQUIRED TO COMPLETE THE CONSTRUCTION COVERED BY THIS PLAN SHALL BE IN ACCORDANCE WITH THE M.A.G. STANDARD SPECIFICATIONS AND DETAILS AND CURRENT SUPPLEMENTS THEREOF PER THE LOCAL CITY OR TOWN UNLESS SPECIFIED OTHERWISE IN THESE PLANS OR ELSEWHERE IN THE CONTRACT DOCUMENTS. CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH ALL REQUIRED STANDARD SPECIFICATIONS, DETAILS AND SUPPLEMENTS PRIOR TO BIDDING THE WORK FOR THE CONSTRUCTION COVERED BY THIS PLAN.
- ANY QUESTION RAISED RELATIVE TO THE ACCURACY OF IMPROVEMENT INSTALLATION SHALL NOT BE RAISED SUBSEQUENT TO COMPLETION OF THE WORK UNLESS ALL SURVEY STAKES ARE MAINTAINED IN PLACE. SHOULD SUCH STAKES NOT BE PRESENT AND VERIFIED AS TO THEIR ORIGIN, NO CLAIM FOR ADDITIONAL COMPENSATION FOR CORRECTION SHALL BE PRESENTED TO ANY PARTY AND SUCH WORK SHALL BE CORRECTED BY THE CONTRACTOR AT HIS EXPENSE.
- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOBSITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, AND THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, ACCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
- NEITHER THE OWNER, NOR THE ENGINEER OF WORK WILL ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT, AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
- THE CONTRACTOR SHALL FOLLOW THE GUIDELINES AND REGULATIONS AS SET FORTH BY OSHA.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO INSURE THAT ALL GRADING AND STORM DRAINS ARE BUILT IN ACCORDANCE WITH THESE PLANS. IF THERE ARE ANY QUESTIONS REGARDING THESE PLANS OR FIELD STAKES, THE CONTRACTOR SHALL REQUEST AN INTERPRETATION BEFORE DOING ANY WORK BY CALLING THE ENGINEER OF WORK AT 602-334-4387. THE CONTRACTOR SHALL ALSO TAKE THE NECESSARY STEPS TO PROTECT THE PROJECT AND ADJACENT PROPERTY FROM ANY EROSION AND SILTATION THAT RESULT FROM HIS OPERATIONS BY APPROPRIATE MEANS (SAND BAGS, HAY BALES, TEMPORARY DESILTING BASINS, DIKES, SHORING, ETC.) UNTIL SUCH TIME THAT THE PROJECT IS COMPLETED AND ACCEPTED FOR MAINTENANCE BY WHATEVER OWNER, AGENCY OR ASSOCIATION IS TO BE ULTIMATELY RESPONSIBLE.
- THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED FROM A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO OTHER EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN HEREON AND ANY OTHER NOT OF RECORD OR NOT SHOWN ON THESE PLANS. ALL DAMAGES THERE TO CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE APPROPRIATE SPECIFICATIONS AND AT THE EXPENSE OF THE CONTRACTOR.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UNDERGROUND PIPELINES, TELEPHONE AND ELECTRIC CONDUITS AND STRUCTURES IN ADVANCE OF ANY CONSTRUCTION AND TO OBSERVE ALL POSSIBLE PRECAUTIONS TO AVOID ANY DAMAGE TO SUCH THE ENGINEER AND/OR OWNER WILL NOT GUARANTEE ANY LOCATIONS AS SHOWN ON THESE PLANS OR THOSE OMITTED FROM SAME.
- CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATIONS OF EXISTING FACILITIES.
- BEFORE EXCAVATING FOR THIS CONTRACT, THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES WITH THE APPROPRIATE UTILITY COMPANY.
- LOCATION AND ELEVATION OF IMPROVEMENTS TO BE MET BY WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK.
- CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS REQUIRED TO PROTECT ADJACENT PROPERTIES DURING THE GRADING OPERATIONS.
- WHERE TRENCHES ARE WITHIN EASEMENTS OR WITHIN 10' OF ANY BUILDING, A SOILS REPORT SHALL BE SUBMITTED TO THE ENGINEER OF WORK BY A QUALIFIED SOILS ENGINEER WHICH INDICATES THAT TRENCH BACKFILL WAS COMPACTED UNDER THE OBSERVATION OF THE SOILS ENGINEER AND IN ACCORDANCE WITH THE ABOVE-NAMED SPECIFICATIONS.
- ALL FRAMES, COVERS, VALVE BOXES AND MANHOLES SHALL BE ADJUSTED TO FINISHED GRADE UPON COMPLETION OF PAVING OR RELATED CONSTRUCTION.
- THE SOILS (GEOTECHNICAL) REPORT FOR THIS PROJECT, INCLUDING ALL ADDENDUMS, SHALL BE CONSIDERED A PART OF THESE PLANS. ALL PAVING, GRADING, EXCAVATION, TRENCHING, PIPE BEDDING, CUT FILL AND BACKFILL SHALL BE DONE IN ACCORDANCE WITH THE RECOMMENDATIONS AND SPECIFICATIONS CONTAINED IN SAID REPORT.
- ALL GRADING SHALL BE DONE UNDER THE OBSERVATION OF A QUALIFIED SOILS ENGINEER, ALL AREAS TO BE FILLED SHALL BE PREPARED TO BE FILLED AND ALL FILL SHALL BE PLACED IN ACCORDANCE WITH THE RECOMMENDED GRADING SPECIFICATIONS AND SPECIAL PROVISIONS ATTACHED TO THE SOILS INVESTIGATION FOR THIS PROJECT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE, SPREAD, WATER AND COMPACT THE FILL IN STRICT ACCORDANCE WITH THESE SPECIFICATIONS.
- OBSERVATIONS AND COMPACTION TESTS SHALL BE MADE BY THE SOILS ENGINEER DURING THE FILLING AND COMPACTION OPERATIONS SO THAT HE CAN STATE HIS OPINION THAT THE FILL WAS CONSTRUCTED IN ACCORDANCE WITH THE EARTHWORK SPECIFICATIONS.
- IN THE CASE OF CONFLICTS, THE REQUIREMENTS OF THE EARTHWORK SPECIFICATIONS PREPARED FOR THE PROJECT BY THE SOILS ENGINEER SHALL GOVERN THE REQUIREMENTS OF THIS PLAN AND THESE NOTES. PLANS SHALL BE REVISED ACCORDINGLY.
- CUT AND FILL SLOPES SHALL BE TRIMMED TO THE FINISH GRADE TO PRODUCE A SMOOTH SURFACE AND UNIFORM CROSS SECTION. THE SLOPE OF THE EXCAVATIONS OR EMBANKMENTS SHALL BE SHAPED AND TRIMMED AS SHOWN ON THE PLANS AND LEFT IN A NEAT AND ORDERLY CONDITION. ALL STONES, ROOTS OR OTHER WASTE MATERIAL EXPOSED ON EXCAVATION OR EMBANKMENT SLOPES SHALL BE REMOVED AND DISPOSED OF OFF SITE IN A LEGAL MANNER BY THE CONTRACTOR.
- GRADING CONTRACTOR IS TO COORDINATE THE GRADING OPERATION WITH UTILITY COMPANIES PERTAINING TO POLE REMOVAL, ADJUSTING WATER BLOWOFFS AND WATER FACILITIES TO GRADE OR ANY OTHER UTILITY ADJUSTMENTS.
- ANY EXISTING RETENTION AND DRAINAGE FACILITIES ON THIS SITE WILL NOT BE REMOVED FROM SERVICE UNTIL THE PERMANENT RETENTION AND DRAINAGE FACILITIES ARE FUNCTIONAL.
- SCARIFY RETENTION AREAS 1 FOOT MINIMUM DEPTH PRIOR TO PLACEMENT OF LANDSCAPING ROCK OR TURF. PROVIDE 75-85 PERCENT COMPACTION WITHIN SCARIFIED ZONE AT COMPLETION OF GRADING.
- FINISH GRADES IN RETENTION AND LANDSCAPE AREAS SHOWN ON THIS PLAN ARE FINAL GRADES AT COMPLETION OF LANDSCAPING.
- CONTRACTOR SHALL NOTIFY THE ENGINEER REGARDING ANY DISCREPANCIES IN A.D.A. REQUIREMENTS BETWEEN THE PLANS AND THE FIELD INSPECTOR OR OTHER AGENCY PRIOR TO IMPLEMENTATION OF ANY CHANGES TO THE APPROVED PLANS.

LEGEND

---	INDICATES PROPERTY / BOUNDARY LINE	WM=	INDICATES EXISTING WATER METER
---	INDICATES EXISTING CONTOUR ELEVATION	BM=	INDICATES EXISTING BACKFLOW PREVENTER VALVE
---	INDICATES PROPOSED CONTOUR ELEVATION	T	INDICATES EXISTING BURIED TELEPHONE CONDUIT
---	INDICATES EXISTING SPOT ELEVATION	E	INDICATES EXISTING BURIED ELECTRIC CONDUIT
TC:14.75 G:14.25	INDICATES EXISTING TOP OF CURB & GUTTER ELEV.	8"W 1/2"	INDICATES EXISTING WATER LINE, VALVE & SIZE
P:13.91	INDICATES EXISTING PAVEMENT ELEVATION	FH _{8"}	INDICATES EXISTING FIRE HYDRANT
C:15.25	INDICATES EXISTING CONCRETE ELEVATION	8"S	INDICATES EXISTING SEWER LINE & SIZE
15.0	INDICATES PROPOSED GROUND ELEVATION	D/W	INDICATES REQUIRED D/W LOCATION
1%	INDICATES DIRECTION OF FLOW & SLOPE	FL	FLOWLINE
TC=	INDICATES PROPOSED TOP OF CURB & GUTTER ELEV.		
G=			
P=	INDICATES PROPOSED PAVEMENT ELEVATION		
C=	INDICATES PROPOSED TOP OF CONC. ELEVATION		
X GB	INDICATES PROPOSED GRADE BREAK		
(52.21)	INDICATES TOP OF CURB ELEVATION		
FG	FINISHED GRADE		
FF=	INDICATES PROPOSED FINISHED FLOOR ELEVATION		
PAD=	INDICATES PROPOSED PAD ELEVATION		
■	INDICATES PROPOSED CATCH BASIN		
○	INDICATES PROPOSED STORM DRAIN PIPE		
○	INDICATES PROPOSED DRYWELL		
LPX	INDICATES EXISTING LIGHT POLE		
ETX	INDICATES EXISTING ELECTRIC TRANSFORMER		
EB	INDICATES EXISTING ELECTRIC BOX		



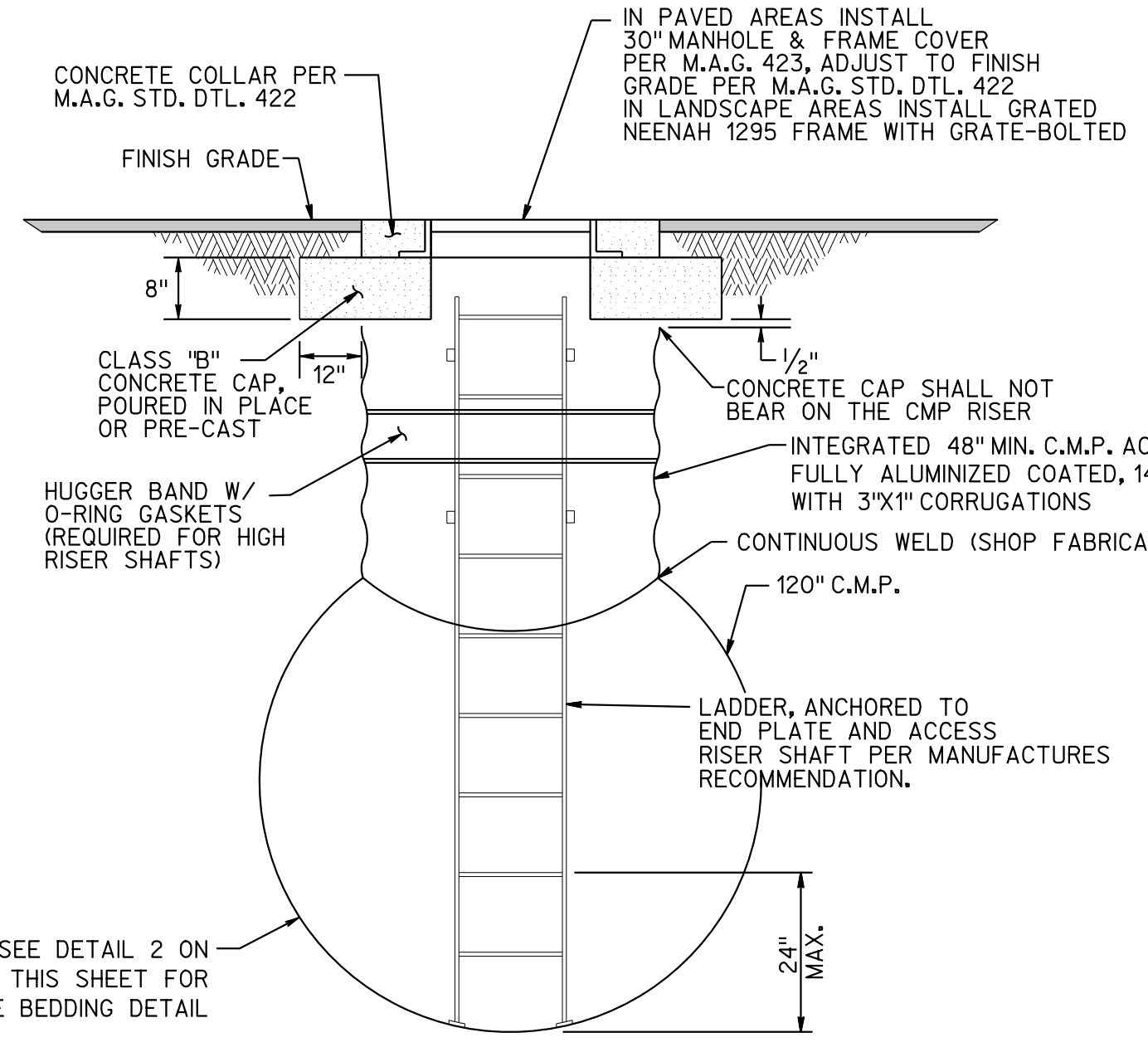
MAXWELL PLUS DRYWELL N.T.S.

ITEM NUMBERS

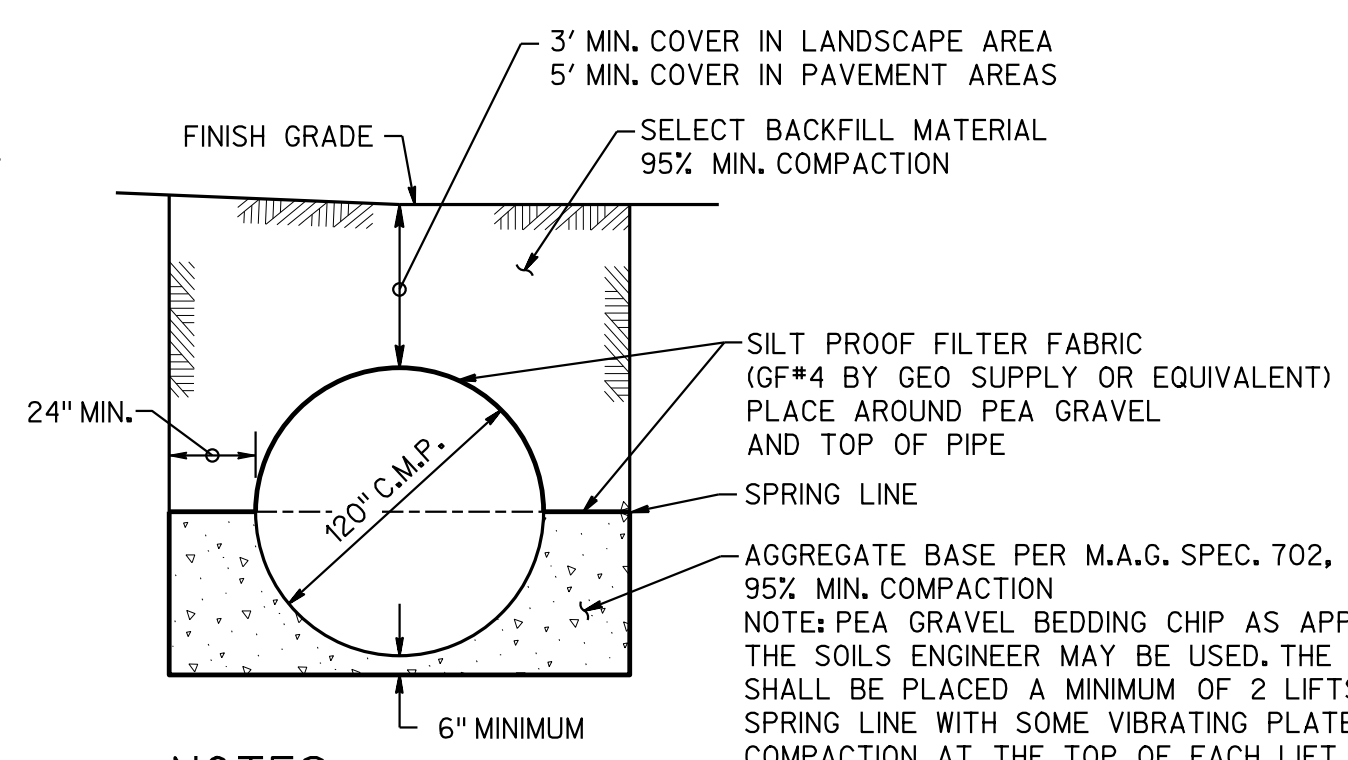
- MANHOLE CONE - MODIFIED FLAT BOTTOM.
- MIN. 4" Ø DRILLED SHAFT.
- STABILIZED BACKFILL - ONE SACK SLURRY MIX.
- 6 PERFORATIONS MINIMUM PER ROW, 2 ROWS MINIMUM.
- INLET PIPE (BY OTHERS). SEE SEPARATE PLAN FOR INVERT ELEVATIONS.
- GRADED BASIN OR PAVING (BY OTHERS).
- COMPACTED BASE MATERIAL, IF REQUIRED (BY OTHERS).
- FREEBOARD DEPTH VARIES WITH INLET PIPE ELEVATION. INCREASE SETTLING CHAMBER DEPTH AS NEEDED TO MAINTAIN ALL INLET PIPE ELEVATIONS ABOVE RISER PIPE.
- NOT USED.
- PUREFLO® DEBRIS SHIELD - ROLLED 16 GA. STEEL X 24" LENGTH WITH VENTED ANTI-SIPHON AND INTERNAL 0.265" MAX. SWO FLATTENED EXPANDED STEEL SCREEN X 12" LENGTH. FUSED BONDED EPOXY COATED.
- MIN. 6" Ø DRILLED SHAFT.
- RISER PIPE - SCH. 40 PVC MATED TO DRAINAGE PIPE AT BASE SEAL.
- DRAINAGE PIPE - ADS HIGHWAY GRADE OR SCH. 40 PVC WITH TRI-A COUPLER. SUSPEND PIPE DURING BACKFILL OPERATIONS. DIAMETER AS NOTED.
- ROCK - WASHED, SIZED BETWEEN 3/8" AND 1-1/2".
- FLOFAST® DRAINAGE SCREEN - SCH. 40 PVC 0.120" SLOTTED WELL SCREEN WITH MIN. 32 SLOTS PER ROW/FT. OVERALL LENGTH VARIES, UP TO 120" WITH TRI-B COUPLER.
- ABSORBENT - HYDROPHOBIC PETROCHEMICAL SPONGE. MIN. 128 OZ. CAPACITY.
- FABRIC SEAL - U.V. RESISTANT GEOTEXTILE - TO BE REMOVED BY CUSTOMER AT PROJECT COMPLETION. GRATED ONLY.
- BOLTED RING & GRATE/COVER - DIAMETER & TYPE AS SHOWN. CLEAN CAST IRON WITH WORDING "STORMWATER ONLY" IN RAISED LETTERS. BOLTED IN 2 LOCATIONS AND SECURED TO CONE WITH MORTAR. RIM ELEVATION ±0.02' OF PLANS.
- BASE SEAL - GEOTEXTILE.
- PRE-CAST LINER - 4000 PSI CONCRETE 48" ID. X 54" ID. CENTER IN HOLE AND ALIGN SECTIONS.
- NOT USED.
- INTAKE SCREEN - 4" Ø SCH. 40 PVC 0.120" MODIFIED SLOTTED WELL SCREEN WITH MIN. 32 SLOTS PER ROW/FT. 48" OVERALL LENGTH WITH TRI-C END CAP.
- VENTED ANTI-SIPHON INTAKE WITH FLOW REGULATOR.
- CONNECTOR PIPE - 4" Ø SCH. 40 PVC.

GENERAL NOTES:

- THE OWNER/DEVELOPER SHALL BE RESPONSIBLE FOR REGISTERING THE DRY WELLS SHOWN ON THE G&D PLAN WITH THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY (A.D.E.Q.). FOR INFORMATION ABOUT SPECIFIC REQUIREMENTS, CONTACT WATER PERMITS UNIT AT (602) 717-4686.
- DRY WELLS MUST BE DRILLED A MINIMUM OF 10 FEET INTO PERMEABLE POROUS STRATA OR PERCOLATION TESTS WILL BE REQUIRED. THE G&D INSPECTOR MUST BE PRESENT BEFORE BACKFILL OR WELL PIPES ARE PLACE WITHIN ANY DRY WELLS.
- THE OWNER/DEVELOPER IS RESPONSIBLE FOR INSTALLING DRYWELL(S) SHOULD THE RETENTION BASINS FAIL TO DRAIN WITHIN 36 HOURS.



48" C.M.P. ACCESS MANHOLE RISER DETAIL N.T.S.



NOTES:

- BEDDING AND BACKFILL PER M.A.G. SPEC. 601
- USE CONSTRUCTION METHODS AND EQUIPMENT WHICH WILL NOT DAMAGE OR OVERLOAD C.M.P. DURING CONSTRUCTION.

C.M.P. DETENTION PIPE BEDDING N.T.S.

Contact Arizona 311 at least two full working days before you begin excavation. Call 811 or click Arizona811.com

ARIZONA MESA RECYCLE
ARIZONA 85210
GRADING & DRAINAGE PLAN



EXPIRES: 12/31/2024

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DATE: 11/22/24
PROJECT NO.
5326
SHEET NO.
GD03
3 of 6

LOT 18
APN 139-32-020
DAKE PROPERTIES LLC

LOT 15
APN 139-32-017
HONN AUTO REPAIR LLC

DEMOLITION NOTES:

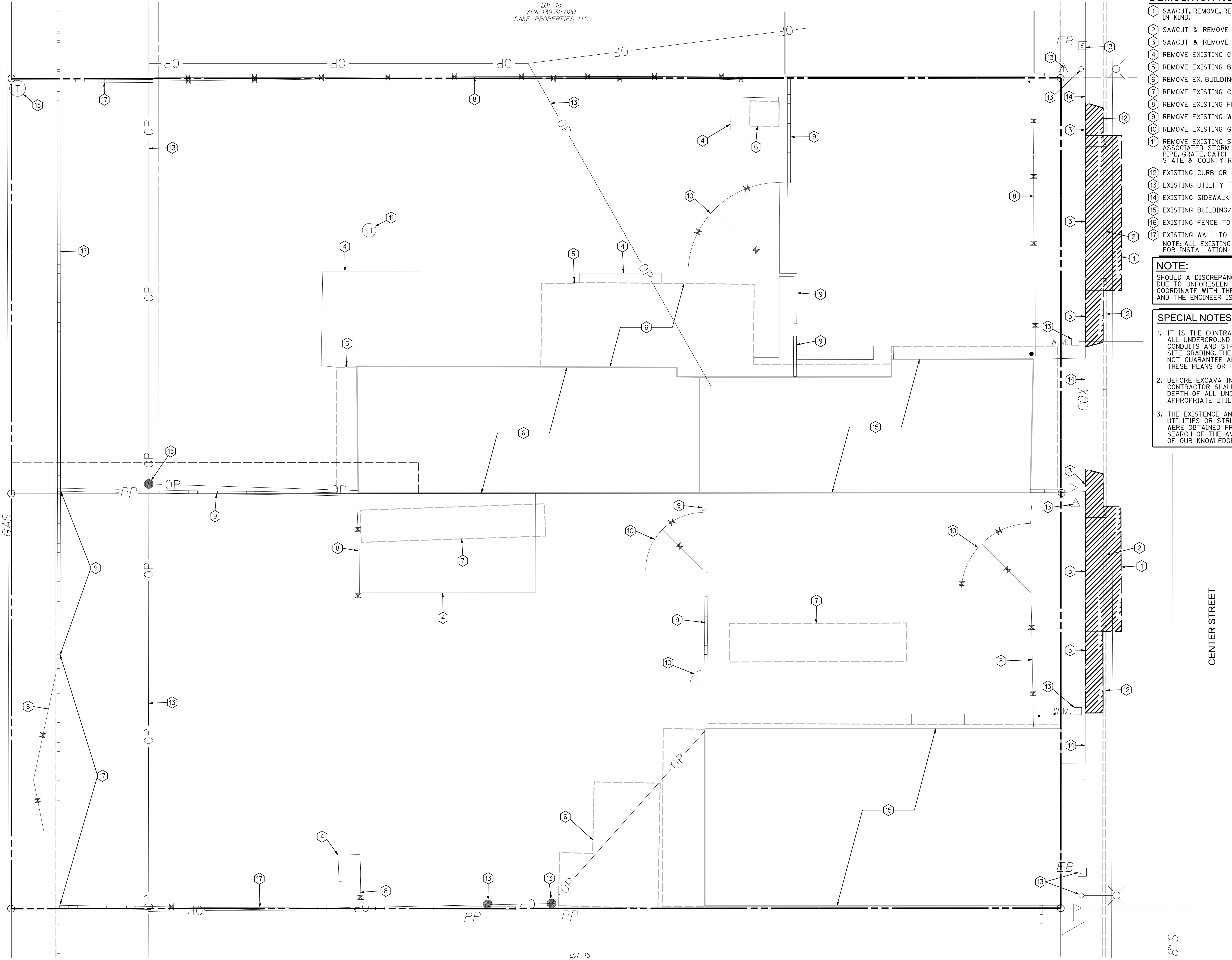
- 1 SAWCUT, REMOVE, REPLACE EXISTING ASPHALT PAVEMENT, IN KIND.
- 2 SAWCUT & REMOVE EXISTING CURB OR CURB & GUTTER.
- 3 SAWCUT & REMOVE EXISTING SIDEWALK.
- 4 REMOVE EXISTING CONCRETE.
- 5 REMOVE EXISTING BOLLARD
- 6 REMOVE EX. BUILDING/STRUCTURE - REFER TO SITE PLAN.
- 7 REMOVE EXISTING CONTAINER
- 8 REMOVE EXISTING FENCE
- 9 REMOVE EXISTING WALL
- 10 REMOVE EXISTING GATE
- 11 REMOVE EXISTING STORM DRAIN MANHOLE AND ANY ASSOCIATED STORM DRAIN APPURTENANCES INCLUDING PIPE, GRATE, CATCH BASIN, DISPOSE OF PER CITY, FEDERAL, STATE & COUNTY REQUIREMENTS.
- 12 EXISTING CURB OR CURB & GUTTER TO REMAIN.
- 13 EXISTING UTILITY TO REMAIN, PROTECT IN PLACE.
- 14 EXISTING SIDEWALK TO REMAIN.
- 15 EXISTING BUILDING/STRUCTURE TO REMAIN.
- 16 EXISTING FENCE TO REMAIN.
- 17 EXISTING WALL TO REMAIN.

NOTE:

SHOULD A DISCREPANCY BE FOUND &/OR ISSUE ARISE DUE TO UNFORESEEN UTILITIES, CONTRACTOR TO COORDINATE WITH THE APPROPRIATE UTILITY COMPANY AND THE ENGINEER IS TO BE NOTIFIED IMMEDIATELY.

SPECIAL NOTES:

1. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL UNDERGROUND PIPELINES, GAS, ELECTRIC CONDUITS AND STRUCTURES IN ADVANCE OF ANY SITE GRADING. THE ENGINEER AND/OR OWNER WILL NOT GUARANTEE ANY LOCATIONS AS SHOWN ON THESE PLANS OR THOSE OMITTED FROM SAME.
2. BEFORE EXCAVATING FOR THIS CONTRACT, THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES WITH THE APPROPRIATE UTILITY COMPANY.
3. THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED FROM FIELD SURVEYS AND A SEARCH OF THE AVAILABLE RECORDS TO THE BEST OF OUR KNOWLEDGE.



ARIZONA MESA RECYCLE
 ARIZONA 85210
DEMOLITION PLAN



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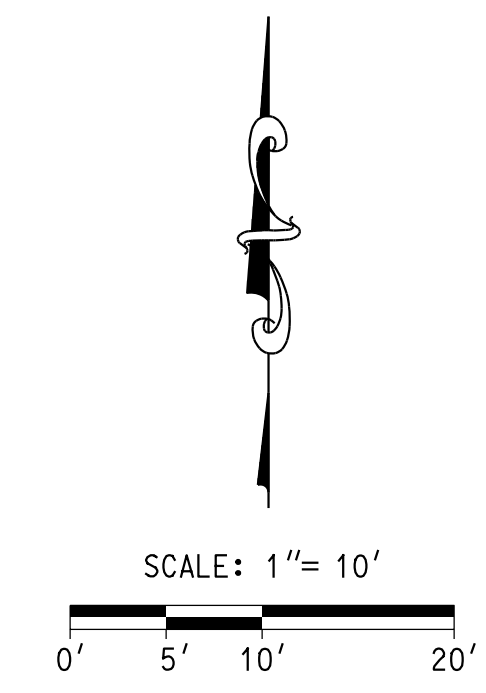
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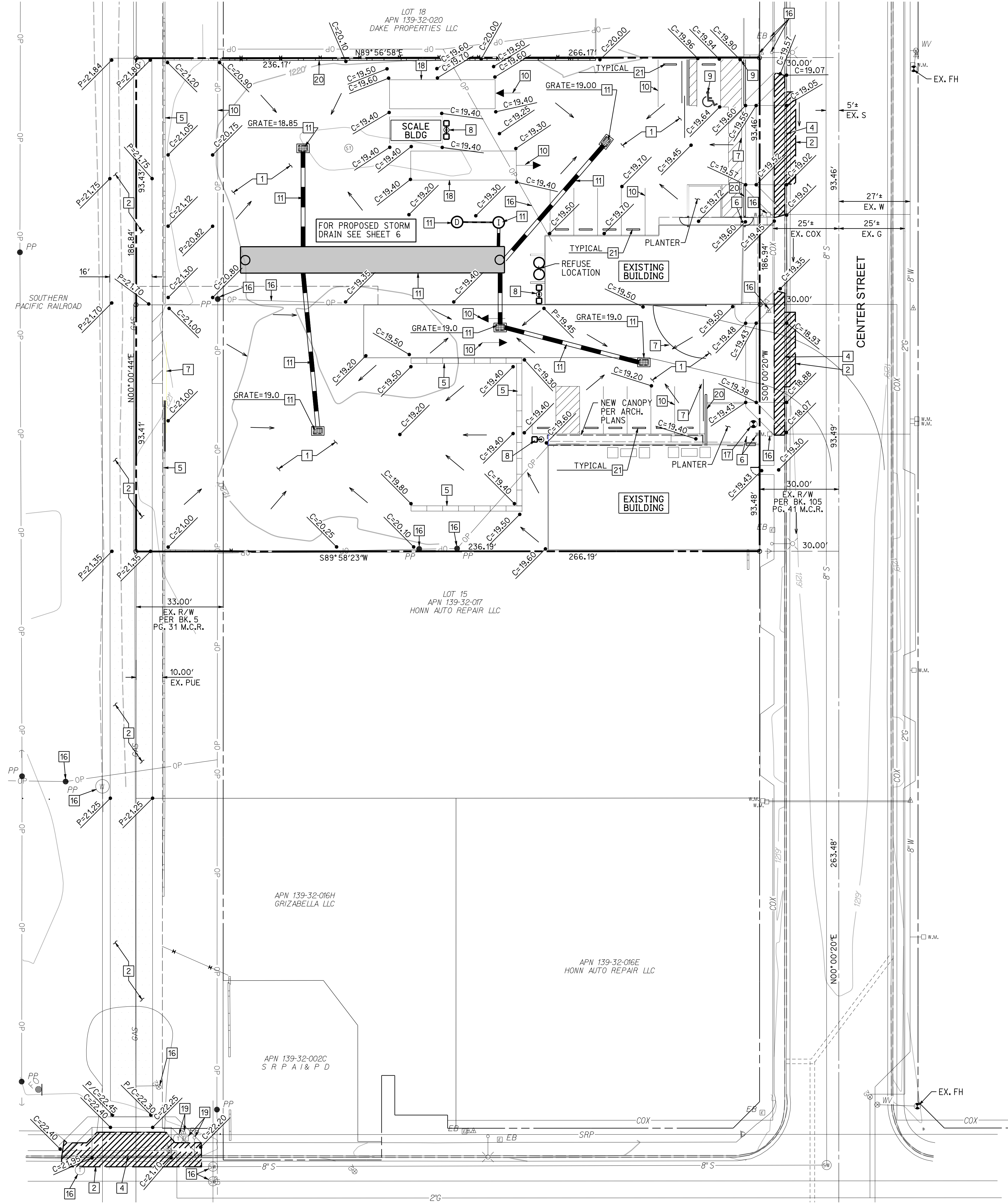
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PROJECT NO.
5326

SHEET NO.
GD04
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CONSTRUCTION NOTES:

- 1 CONSTRUCT CONCRETE SECTION PER SOILS REPORT
- 2 CONSTRUCT PAVEMENT SECTION PER SOILS REPORT
- 3 CONSTRUCT 4' CONCRETE SIDEWALK PER M.A.G. STD. DTL. 230.
- 4 CONSTRUCT 30' WIDE DRIVEWAY PER C.O.M. STD. DTL. M-42. INSTALL 5' CURB TRANSITION PER M.A.G. STD. DTL. 221 AT EACH END OF DRIVEWAY.
- 5 EX. 6' BLOCK WALL PER ARCHITECTURAL PLANS.
- 6 EXISTING BOLLARD TO REMAIN.
- 7 GATED ENTRY PER ARCHITECTURAL PLANS & DETAILS.
- 8 SITE LIGHTING PER ARCHITECTURAL PLANS
- 9 ACCESSIBLE PARKING SIGNING AND STRIPING, ADA WALKWAY MARKINGS PER ARCHITECT'S PLANS & DETAILS
- 10 PAVEMENT STRIPING PER ARCHITECTURAL PLAN.
- 11 FOR STORM DRAIN & UNDERGROUND RETENTION PLAN SEE SHEET 6.
- 12 INSTALL SCREEN WALL PER ARCHITECT'S PLANS.
- 13 SAWCUT & REMOVE EXISTING ASPHALT PAVEMENT.
- 14 SAWCUT & REMOVE EXISTING CURB OR CURB & GUTTER.
- 15 SAWCUT & REMOVE EXISTING SIDEWALK.
- 16 PROTECT UTILITY IN PLACE.
- 17 FIRE HYDRANT PER M.A.G. STD. DTL. 360.
- 18 SCALE PER ARCHITECTURAL PLANS.
- 19 COORDINATE WITH UTILITY COMPANY ON RELOCATIONS.
- 20 NEW 6" WALL PER ARCHITECTURAL PLANS.
- 21 CONCRETE PARKING BUMPERS

NOTE:
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SPECIAL NOTES:

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2. BEFORE EXCAVATING FOR THIS CONTRACT, THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES WITH THE APPROPRIATE UTILITY COMPANY.
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GRADING & DRAINAGE PLAN



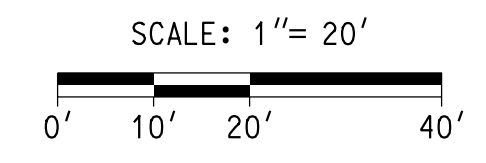
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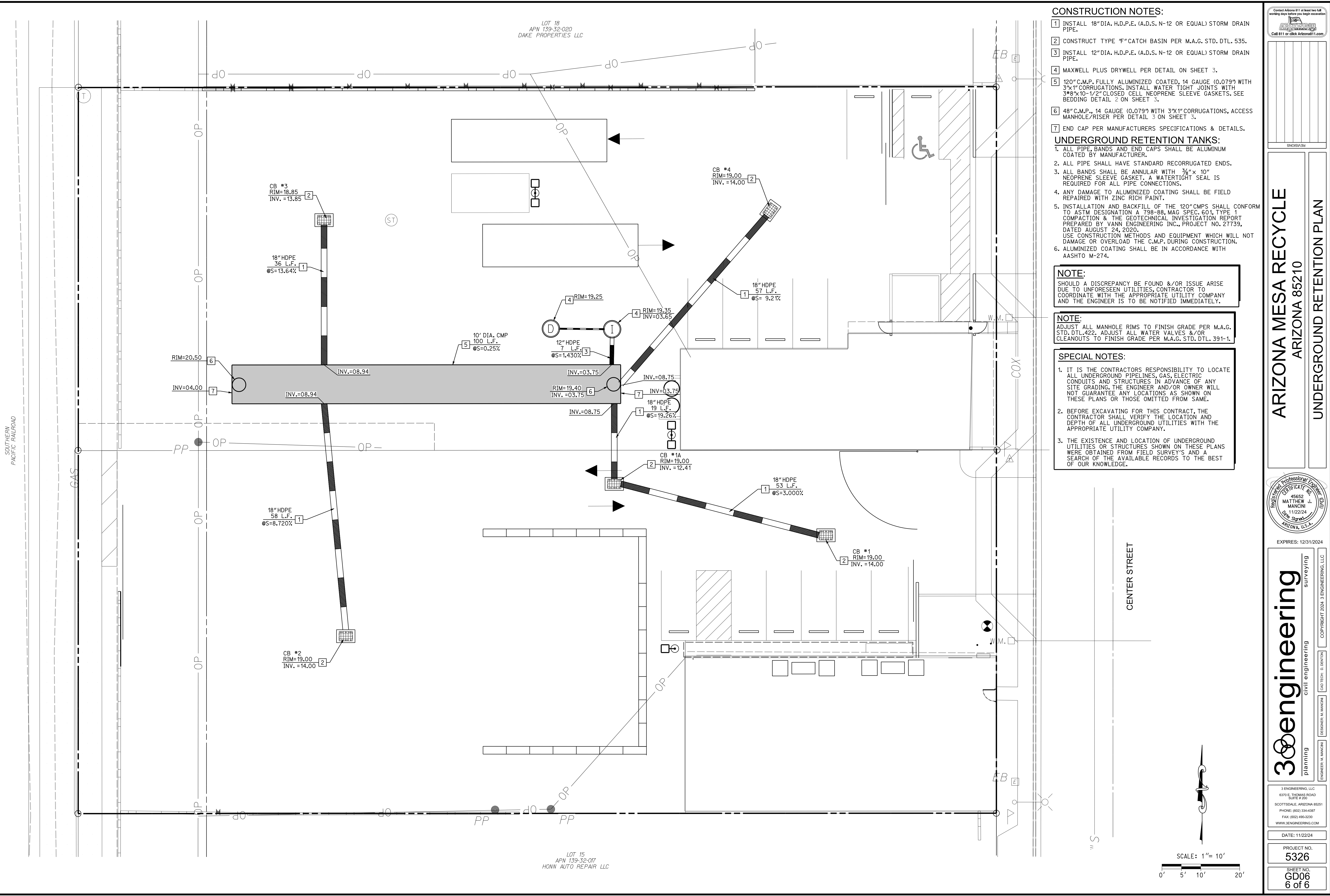
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GD05
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- CONSTRUCTION NOTES:**
1. INSTALL 18" DIA. HD.P.E. (A.D.S. N-12 OR EQUAL) STORM DRAIN PIPE.
 2. CONSTRUCT TYPE "F" CATCH BASIN PER M.A.G. STD. DTL. 535.
 3. INSTALL 12" DIA. HD.P.E. (A.D.S. N-12 OR EQUAL) STORM DRAIN PIPE.
 4. MAXWELL PLUS DRYWELL PER DETAIL ON SHEET 3.
 5. 120" C.M.P. FULLY ALUMINIZED COATED, 14 GAUGE (0.079") WITH 3"x1" CORRUGATIONS. INSTALL WATER TIGHT JOINTS WITH 3"x10-1/2" CLOSED CELL NEOPRENE SLEEVE GASKETS. SEE BEDDING DETAIL 2 ON SHEET 3.
 6. 48" C.M.P., 14 GAUGE (0.079") WITH 3"x1" CORRUGATIONS, ACCESS MANHOLE/RISER PER DETAIL 3 ON SHEET 3.
 7. END CAP PER MANUFACTURERS SPECIFICATIONS & DETAILS.

- UNDERGROUND RETENTION TANKS:**
1. ALL PIPE, BANDS AND END CAPS SHALL BE ALUMINUM COATED BY MANUFACTURER.
 2. ALL PIPE SHALL HAVE STANDARD RECORRUGATED ENDS.
 3. ALL BANDS SHALL BE ANNULAR WITH 3/8" x 10" NEOPRENE SLEEVE GASKET. A WATERTIGHT SEAL IS REQUIRED FOR ALL PIPE CONNECTIONS.
 4. ANY DAMAGE TO ALUMINIZED COATING SHALL BE FIELD REPAIRED WITH ZINC RICH PAINT.
 5. INSTALLATION AND BACKFILL OF THE 120" C.M.P.S SHALL CONFORM TO ASTM DESIGNATION A 798-88, MAG SPEC. 601, TYPE 1 COMPACTION & THE GEOTECHNICAL INVESTIGATION REPORT PREPARED BY VANN ENGINEERING INC., PROJECT NO. 27739, DATED AUGUST 24, 2020.
 6. USE CONSTRUCTION METHODS AND EQUIPMENT WHICH WILL NOT DAMAGE OR OVERLOAD THE C.M.P. DURING CONSTRUCTION.
 7. ALUMINIZED COATING SHALL BE IN ACCORDANCE WITH AASHTO M-274.

NOTE:
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NOTE:
 ADJUST ALL MANHOLE RIMS TO FINISH GRADE PER M.A.G. STD. DTL. 422. ADJUST ALL WATER VALVES &/OR CLEANOUTS TO FINISH GRADE PER M.A.G. STD. DTL. 391-1.

- SPECIAL NOTES:**
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ARIZONA MESA RECYCLE
 ARIZONA 85210
UNDERGROUND RETENTION PLAN



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