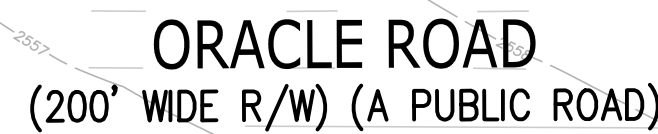


SITE IMPROVEMENT PLANS

FOR
10568 NORTH ORACLE ROAD
AT SAN DORADO
LOT 2



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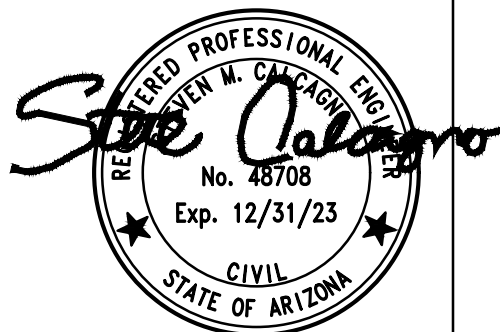


PROPOSED	EXISTING	PROPOSED	EXISTING
		ASPHALT BERM	
		BLOCK/RETAINING WALL	
		BUILDING LINE	
		CENTER LINE	
		CONCRETE CURB	
		CONCRETE CURB CUT	
		CONCRETE CURB & GUTTER	
		CONTOUR LINE	
		DRIVEWAY	
		EDGE OF PAVEMENT	
		ELECTRIC LINE	
		FIRE SERVICE & VALVE	
		FIBER OPTICS LINE	
		FENCE LINE	
		GAS LINE-VALVE & METER	
		GRADE BREAK LINE	
		JOINT TRENCH LINE	
		LOT LINE	
		MONUMENT/MONUMENT LINE	
		OVERHEAD POWER LINE	
		PERFORATED STORM DRAIN PIPE	
		PROPERTY LINE	
		RAINWATER LEADER	
		RIdge LINE	
		SANITARY SEWER-MANHOLE & CLEANOUT	
		SIDEWALK	
		STORM DRAIN-MANHOLE & CATCH BASIN	
		TELEPHONE LINE	
		THRU CURB DRAIN	
		WATER LINE & VALVE	
		BACKFLOW PREVENTION DEVICE	
		ELECTROLUER	
		FIRE HYDRANT	
		SPOT ELEVATION	
		TRANSFORMER	
		TRAFFIC SIGN	
		TREE	
		UTILITY BOX	
		AUTOMATIC SPRINKLER RISER	
		AIR RELEASE VALVE	
		BACKFLOW PREVENTION DEVICE	
		BACK OF WALK	
		BLOWOFF VALVE	
		BUILDING	
		BUILDING LINE	
		CATCH BASIN	
		COTG	
		C	
		DDVCV	
		DR	
		DS	
		DIP	
		EB	
		ESM	
		FW	
		FF	
		FL	
		FH	
		GM	
		GV	
		GB	
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		LP	
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		PIV	
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		SSCC	
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		CLEANOUT TO GRADE	
		CONCRETE	

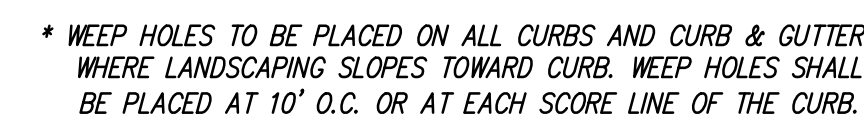
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<u>SHEET</u>	<u>DESCRIPTION</u>
<u>CIVIL</u>	
C1.0	COVER SHEET
C2.0	DETAILS
C2.1	DETAILS
C2.2	NOTES
C3.0	TOPOGRAPHIC SURVEY
C4.0	GRADING AND DRAINAGE PLAN
C5.0	UTILITY PLAN

ACCEPTANCE	
BY: _____	_____
TOWN CLERK	DATE
BY: _____	_____
PLANNING DIVISION MANAGER	DATE
BY: _____	_____
TOWN ENGINEER	DATE
BY: _____	_____
ORO VALLEY WATER UTILITY DIRECTOR	DATE

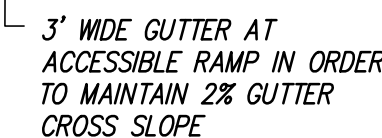


SITE ADDRESS 10568 NORTH ORACLE RD ORO VALLEY, AZ 85755		OWNER/DEVELOPER MERIDIAN ATTN: JAMES HAWLEY 2121 N. CALIFORNIA BLVD., SUITE 290 WALNUT CREEK, CA 94596 360-927-8881 EMAIL: jhawley@mpcca.com		ARCHITECT HIGHTON COMPANY, LLC ATTN: GARY HIGHTON 1555 E. RUDASILL ROAD, BUILDING 2 TUCSON, AZ 85704 520-407-1344 EMAIL: gary@hightoncompany.com		CIVIL KIER & WRIGHT CIVIL ENGINEERS & SURVEYORS, INC. ATTN: EMAD Y. SARIEDDINE, P.E. 2850 COLLIER CANYON ROAD LIVERMORE, CA 94551 925-245-8788 EMAIL: esarieddine@kierwright.com																														
DATE: 04/22/22				SITE IMPROVEMENT PLANS FOR 10568 NORTH ORACLE ROAD AT SAN DORADO LOT 2																																
SCALE: 1"=20'																																				
C.I.: 1 FOOT																																				
A PORTION OF SECTION 7, TOWNSHIP 12 SOUTH, RANGE 14 EAST, TOWN OF ORO VALLEY, PIMA COUNTY, ARIZONA				<table><tr><td>NO.</td><td>DATE</td><td>REVISION</td><td>BY</td><td rowspan="7">C1.0 OF 7</td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></table>				NO.	DATE	REVISION	BY	C1.0 OF 7																								
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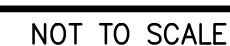
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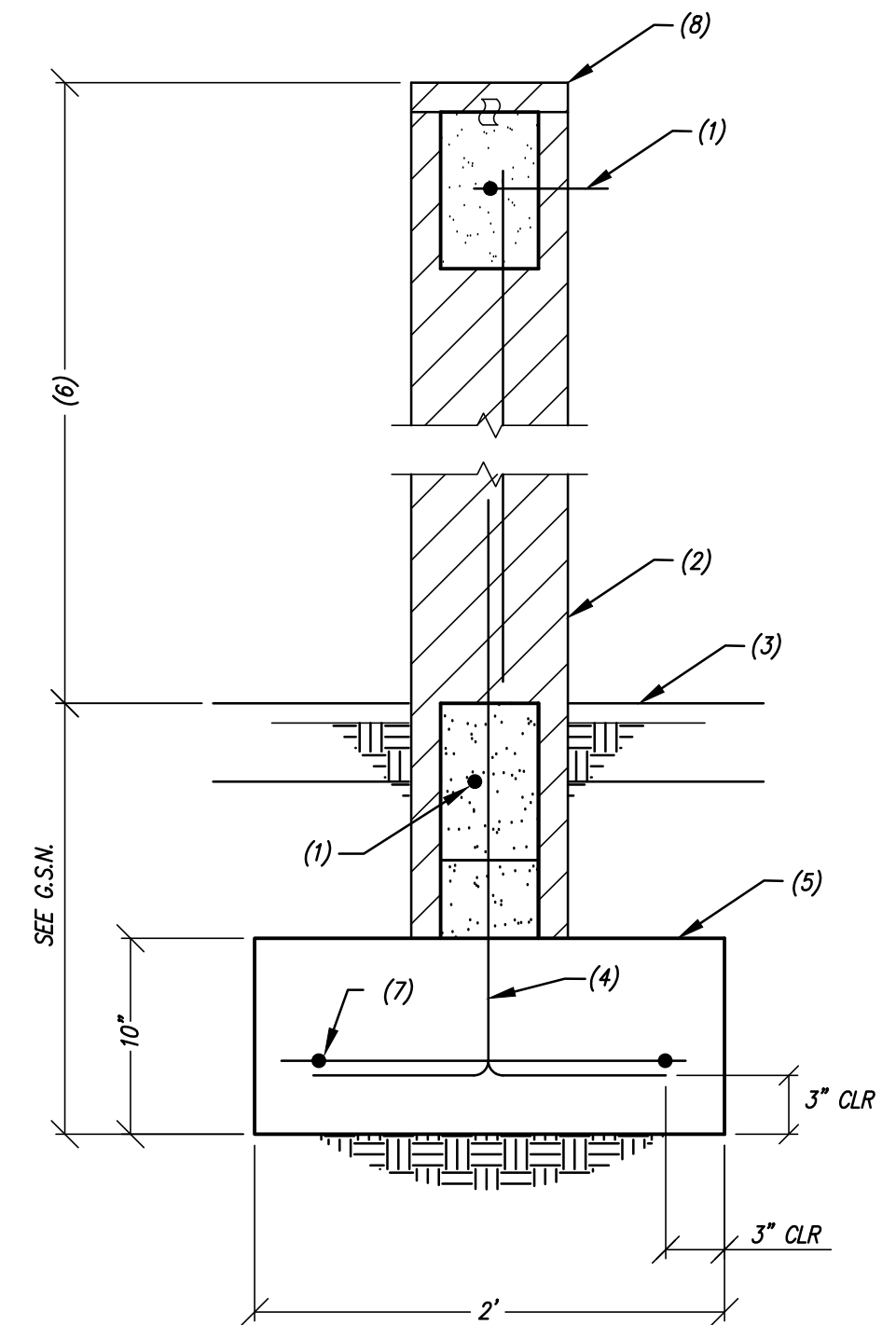
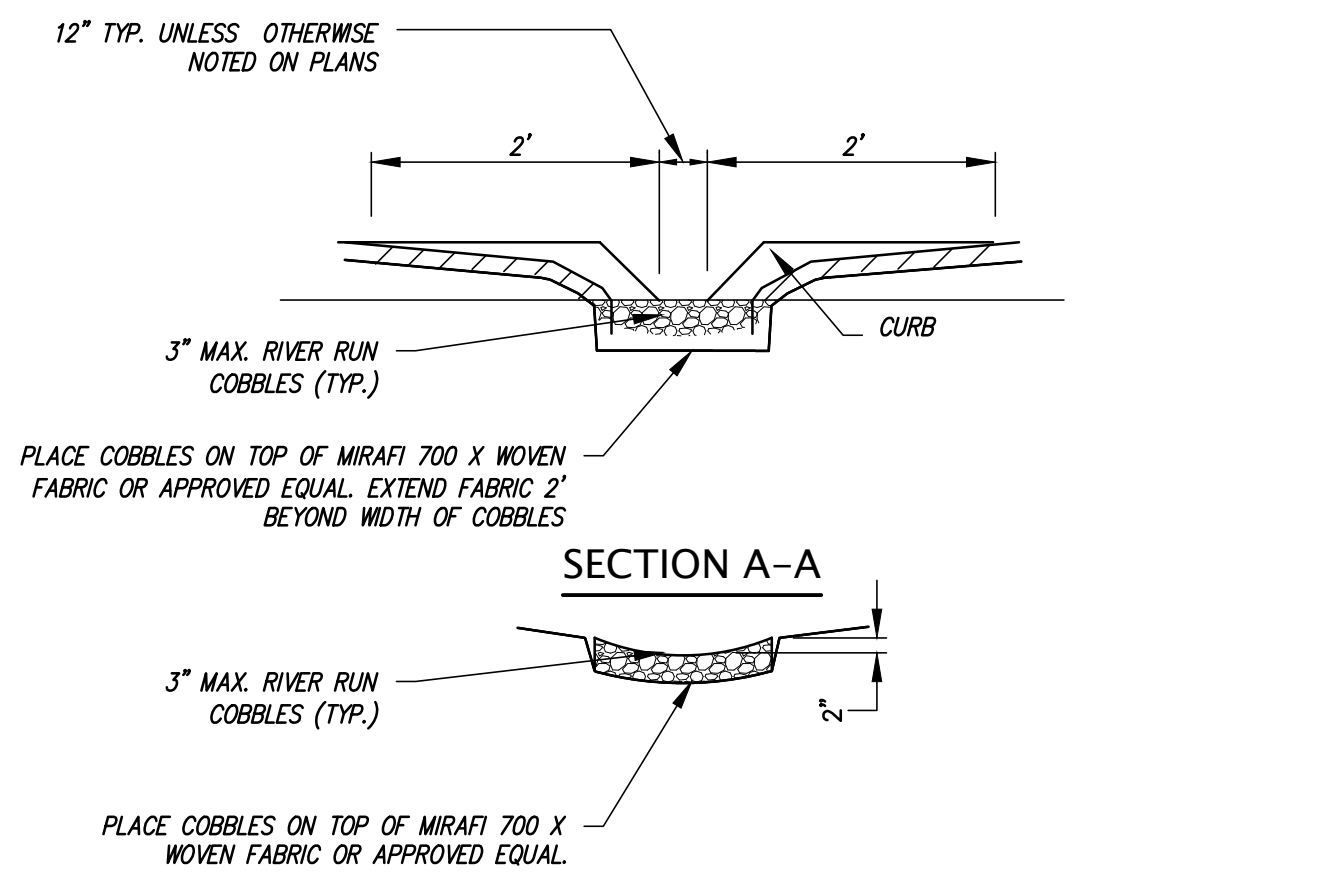


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10568 NORTH ORACLE ROAD

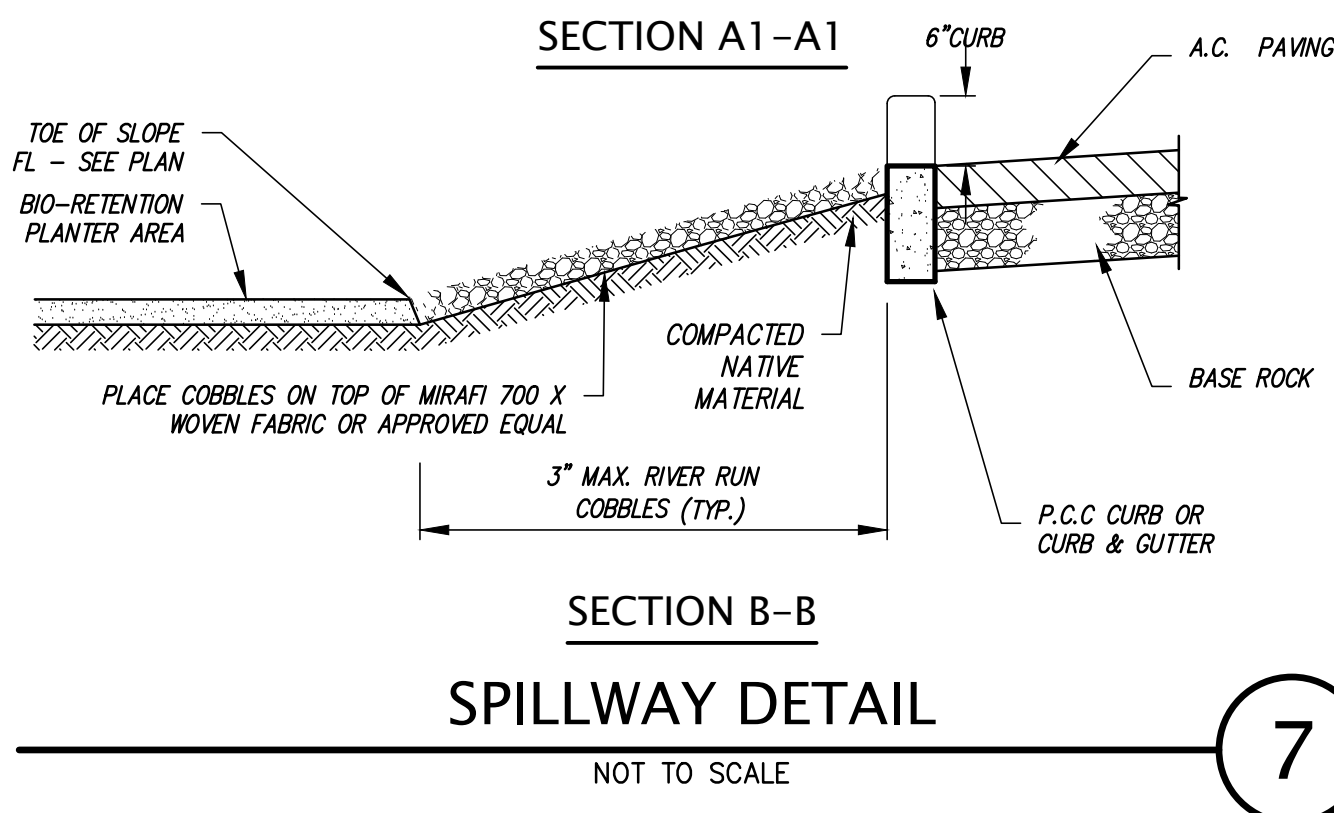




1. (1) #5 CONTINUOUS IN 8" DEEP GROUTED BOND BEAM.
2. 8" MASONRY WALL WITH #5 VERTICALS AT 48" O.C. GROUT SOLID BELOW GRADE.
3. FINISHED GRADE OR CONCRETE SLAB WHERE OCCURS.
4. DOWELS TO MATCH AND LAP VERTICAL WALL REINFORCING PER G.S.N. - ALTERNATE BENDS.
5. CONCRETE FOOTING.
6. FOR TOP OF WALL, SEE ARCHITECTURAL DRAWINGS - 6'-0" MAX.
7. (1) #4 CONTINUOUS.
8. MASONRY CAP BLOCK WITH 22 GAUGE GALVANIZED CORRUGATED VENEER TIES AT 16" O.C.

- AT CONTRACTOR'S OPTION, USE CONCRETE STEM WALL WITH SAME REINFORCING.

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1. ALL WORK SHALL BE IN CONFORMANCE WITH THE ORO VALLEY DEPARTMENT OF PUBLIC WORKS' STANDARD SPECIFICATIONS AND DETAILS. ALL WORK SHALL BE SUBJECT TO APPROVAL OF AND INSPECTION BY THE CITY ENGINEER.
2. AT LEAST ONE SET OF APPROVED PLANS SHALL BE ON THE SITE AT ALL TIMES FOR INSPECTION. ANY DEVIATION FROM THE APPROVED PLANS DURING CONSTRUCTION WILL REQUIRE 48 HOURS PRIOR NOTICE AND APPROVAL OF THE CITY ENGINEER.
3. THE PERMITTEE/CONTRACTOR SHALL NOTIFY THE ORO VALLEY ENGINEERING DIVISION TWO (2) BUSINESS DAYS PRIOR TO THE START OF ANY WORK.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THE EXISTENCE OF ANY AND ALL UNDERGROUND FACILITIES, WHICH MAY BE SUBJECT TO DAMAGE BY REASON OF HIS OPERATIONS. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA) AT (800) 642-2444, 48 HOURS PRIOR TO ANY EXCAVATION. WORK SHALL START WITHIN 5 DAYS AFTER THE ISSUANCE OF A USA INQUIRY IDENTIFICATION NUMBER. COMPLETE REMOVAL OF THE USA MARKINGS SHALL BE WITHIN 2 WORKING DAYS AFTER COMPLETION OF THE EXCAVATION, BACKFILL AND SURFACE REPLACEMENT OR FOURTEEN (14) CALENDAR DAYS FOLLOWING THE ISSUANCE OF THE INQUIRY IDENTIFICATION NUMBER WHICHEVER IS EARLIER.
5. CONTACTING USA DOES NOT RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITY TO DETERMINE LOCATION AND DEPTH OF BURIED UTILITIES OR REPAIR OF BURIED UTILITIES DAMAGED BY HIS OPERATION.
6. ALL GRADING, SITE PREPARATION, PLACING AND COMPACTION OF FILL SHALL BE DONE IN ACCORDANCE WITH THE CITY ENGINEER'S VOLUME STANDARDS, SPECIFICATIONS, SPECIFIC NOTES, DETAIL DRAWINGS AND PER THE RECOMMENDATIONS SPECIFIED IN THE "GEOTECHNICAL INVESTIGATION" BY TERRACON CONSULTANTS INC., DATED APRIL 5, 2022, FILE NO. 63225030.
7. A GRADING PERMIT IS REQUIRED PRIOR TO COMMENCEMENT OF GRADING. A COPY OF THE GRADING PERMIT IS REQUIRED TO BE ON SITE AT ALL TIMES.
8. GRADING OPERATIONS SHALL BE CONDUCTED IN ACCORDANCE WITH THE RECOMMENDATIONS CONTAINED IN THE SOILS INVESTIGATION REPORT. THE SOILS ENGINEER WILL BE RESPONSIBLE FOR THE ON SITE INSPECTION AND QUALITY CONTROL FOR THE GRADING OPERATION. PLAN REQUIREMENTS AND CONSTRUCTION CONTROL WITH RESPECT TO EXISTING, NEW, OR EXISTING, SETTLEMENT, COMPACTION, ETC., AS SHOWN HEREIN ARE PROVIDED BY THE SOILS ENGINEER. THE CONTRACTOR SHALL READ AND BE FULLY AWARE OF THE SOILS REPORT BEFORE STARTING WORK. ALL WORK SHALL MEET THE APPROVAL OF THE ORO VALLEY.

SUBSEQUENT TO THE COMPLETION OF THE WORK, THE SOILS/GEOTECHNICAL ENGINEER SHALL SUBMIT A REPORT TO THE CITY ENGINEER STATING THAT ALL WORK HAS BEEN DONE IN ACCORDANCE WITH THE "GEOTECHNICAL INVESTIGATION" PREPARED BY TERRACON CONSULTANTS INC., DATED APRIL 5, 2022, FILE NO. 63225030.
9. NOISE--PRODUCING CONSTRUCTION AND GRADING OPERATIONS SHALL BE LIMITED TO WEEKDAYS (MONDAY THROUGH FRIDAY) EXCEPT CITY HOLIDAYS AND FROM THE HOURS OF 7:30 A.M. TO 6:00 P.M. ALL EQUIPMENT SHALL BE ADEQUATELY MUFFLED AND MAINTAINED. NO CHANGES SHALL BE ALLOWED WITHOUT PRIOR WRITTEN CONSENT OF THE CITY ENGINEER. ANY CHANGES MUST BE MADE A MINIMUM OF 72 HOURS PRIOR TO THE NEED FOR THE IMPLEMENTATION OF THE REQUESTED CHANGE.
10. IT SHALL BE UNDERSTOOD THAT THE TERM "CITY ENGINEER" AS USED HEREIN IS THE CITY ENGINEER OF THE CITY OF ORO VALLEY OR HIS AUTHORIZED REPRESENTATIVE.

NO WORK SHALL BE DONE ON THIS PROJECT PRIOR TO A PRE-CONSTRUCTION CONFERENCE TO BE HELD WITH THE ENGINEERING DIVISION.
11. A PRE-CONSTRUCTION CONFERENCE SHALL BE SCHEDULED AT LEAST TWO WORKING DAYS IN ADVANCE OF COMPLETION OF ANY CONSTRUCTION WORK FOR ANY IMPROVEMENTS OR RELATED WITH THIS SET OF PLANS. THE FOLLOWING INDIVIDUALS SHALL BE IN ATTENDANCE: OWNER/DEVELOPER, CONTRACTOR(S), CITY ENGINEER, ENGINEER, SOILS ENGINEER, CONSTRUCTION INSPECTOR, OR THEIR AUTHORIZED REPRESENTATIVES.
12. THE CONTRACTOR SHALL SUBMIT A SCHEDULE OF ALL GRADING OPERATIONS AND RECEIVE APPROVAL OF SAID SCHEDULE FROM THE CITY ENGINEER PRIOR TO OR THE DAY OF THE PRE-CONSTRUCTION CONFERENCE.
13. THE CONSTRUCTION CONTRACTOR AGREES, THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
14. THE CONTRACTOR SHALL PROVIDE EMERGENCY TELEPHONE NUMBERS FOR PUBLIC WORKS, AMBULANCE, POLICE, AND FIRE DEPARTMENTS AT THE JOB SITE.
15. THE CONTRACTOR SHALL NOT DISTURB OR DESTROY ANY PERMANENT SURVEY POINTS WITHOUT THE CONSENT OF THE CITY ENGINEER. IN THE EVENT IT BECOMES NECESSARY TO REMOVE OR DISTURB A MONUMENT, THE PERSON SO DOING SHALL FIRST OBTAIN PERMISSION, IN WRITING, FROM THE CITY ENGINEER AND SHALL DEPOSIT WITH THE CITY ENGINEER A SUFFICIENT AMOUNT, BASED UPON THE CITY ENGINEER'S ESTIMATE, TO COVER THE COST OF PRELIMINARY REFERENCING AND FINAL RELOCATION OF THE MONUMENT.
16. ALL CONSTRUCTION STAKING SHALL BE DONE BY A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR. UPON COMPLETION OF GRADING, THE CONTRACTOR SHALL REQUEST THE LICENSED LAND SURVEYOR TO CHECK THE GRADES AND CERTIFY THAT THE PADS ARE GRADED TO WITHIN ± 0.10 FOOT OF FINISH PAD GRADE.
17. THE CONTRACTOR SHALL PROVIDE FOR INGRESS AND EGRESS TO AND FROM PRIVATE PROPERTY ADJACENT TO THE WORK AREA THROUGHOUT THE PERIOD OF CONSTRUCTION.
18. THE CONTRACTOR IS RESPONSIBLE FOR MATCHING EXISTING STREETS, SURROUNDING LANDSCAPE AND OTHER IMPROVEMENTS, WITH A SMOOTH TRANSITION IN GRADE AVOIDING ANY ABRUPT OR APPARENT CHANGES IN GRADE OR CROSS SLOPE, LOW SPOTS, OR HAZARDOUS CONDITIONS.
19. EXISTING CURB AND SIDEWALK WITHIN THE PROJECT LIMITS THAT ARE DAMAGED OR DISPLACED, EVEN THOUGH THEY WERE NOT TO BE REMOVED, SHALL BE REPAIRED OR REPLACED, EVEN IF THE DAMAGE OR DISPLACEMENT OCCURRED PRIOR TO ANY WORK PERFORMED BY THE CONTRACTOR. CONTRACTOR SHALL DOCUMENT CONDITION VIA PHOTOGRAPHS PRIOR TO THE START OF CONSTRUCTION.
20. THE CONTRACTOR SHALL CONTROL DUST BY WATERING EXPOSED SURFACES AS NEEDED. INCREASED WATERING SHALL BE REQUIRED WHEN WIND SPEEDS EXCEED TO MPH OR WHEN DIRECTED BY THE CITY.
21. NO PERSON SHALL, WHEN HAULING ANY EARTH, SAND, GRAVEL, STONE, DEBRIS, PAPER, OR ANY OTHER SUBSTANCE UPON ANY PUBLIC STREETS OR OTHER PUBLIC PLACE, ALLOW MATERIAL TO BLOW OR SPILL OVER AND UPON SAID PUBLIC OR ADJACENT PRIVATE PROPERTY. LADS LEAVING THE SITE SHALL BE COVERED.
22. THE CONTRACTOR SHALL PROVIDE A STABILIZED CONSTRUCTION ENTRANCE/EXIT TO PREVENT THE TRACKING OF SOIL, DUST, MUD, OR CONSTRUCTION DEBRIS ONTO PUBLIC STREETS.
23. MUD TRACKED ONTO STREETS OR ADJACENT PROPERTIES SHALL BE REMOVED IMMEDIATELY. STREET SHALL BE SWEEPED WITH A POWER SWEEPER (NOT PRESSURE WASHED) AS DIRECTED BY THE CITY.
24. A DISPOSAL SITE FOR ANY OFF-SITE HAUL OF DIRT MATERIALS SHALL BE APPROVED BY THE CITY PRIOR TO APPROVAL OF THE GRADING PERMIT. THE SITE HAUL ROUTE FOR EXCESS DIRT OR CONSTRUCTION DEBRIS IS SUBJECT TO APPROVAL OF THE CITY ENGINEER.
25. EXCAVATIONS SHALL BE ADEQUATELY SHORED, BRACED AND SHEETED SO THAT THE EARTH WILL NOT SLIDE OR SETTLE AND SO THAT ALL EXISTING IMPROVEMENTS OF ANY KIND WILL BE FULLY PROTECTED FROM DAMAGE. ANY DAMAGE RESULTING FROM A LACK OF ADEQUATE SHORING, BRACING AND SHEETING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND THE CONTRACTOR SHALL EFFECT NECESSARY REPAIRS OR RECONSTRUCTION AT HIS OWN EXPENSE. WHERE THE EXCAVATION FOR A TRENCH, STRUCTURE AND/OR BORING OR JACKING PIT IS FIVE FEET OR MORE IN DEPTH THE CONTRACTOR SHALL CONFORM TO THE APPLICABLE CONSTRUCTION SAFETY ORDERS OF THE DIVISION OF INDUSTRIAL SAFETY OF THE STATE OF CALIFORNIA.
26. ALL TRENCHES IN EXISTING CITY STREETS SHALL BE BACKFILLED AND PAVED WITHIN 24 HOURS OF EXCAVATION. STEEL PLATES MAY BE PLACED OVER UNBACKFILLED TRENCHES BEYOND THE 24 HOUR PERIOD WITH THE SPECIFIC APPROVAL OF THE CITY ENGINEER.
27. ALL REINFORCED CONCRETE PIPE SHALL BE CLASS III OR BETTER, UNLESS OTHERWISE NOTED.
28. OPERATION OF VALVES ON THE ORO VALLEY WATER SYSTEM SHALL BE PERFORMED BY WATER PURVEYOR JURISDICTIONAL PERSONNEL ONLY.

1. GRADING SHALL BE DONE IN ACCORDANCE WITH RECOMMENDATIONS IN THE GEOTECHNICAL AND FOUNDATION INVESTIGATION PREPARED FOR THIS SITE BY TERRACON CONSULTANTS INC., DATED APRIL 5, 2022. FILE NO. 63225030.

1. CONTRACTOR SHALL DETERMINE HIS OWN EARTH QUANTITIES AND BASE HIS BID ACCORDINGLY.

2. TOP OF CURB ELEVATION IS 0.5' ABOVE THE A.C. PAVING AND SPOT ELEVATIONS ARE TO FINISHED SURFACE (UNLESS OTHERWISE NOTED).

3. COMPACTION TO BE DETERMINED USING ASTM D1557, LATEST EDITION LABORATORY TEST PROCEDURE.

4. STORM DRAIN DESIGNATED AS "SD" SHALL BE CLASS III RCP, SDR 35 PVC OR HDPE AS STATED BELOW. PVC AND HDPE PIPES SHALL ONLY BE USED WHEN MINIMUM COVER REQUIREMENTS ARE MET AS SPECIFIED IN THE PVC PIPE BEDDING DETAIL AS SHOWN ON THESE PLANS. SUBSTITUTIONS FOR ANY PIPE WITH A PARTICULAR MATERIAL SPECIFIED ON THIS PLAN SHALL ONLY BE MADE WITH THE WRITTEN APPROVAL OF THE ENGINEER.

5. STORM DRAIN PIPE SHALL BE: 10" DIAMETER AND SMALLER SDR 35 PVC OR HDPE WITH RUBBER GASKET MEETING ASTM F477, 12" DIAMETER TO BE SDR 35 PVC, CLASS III RCP OR BLUE SEAL HDPE AS MANUFACTURED BY HANCOR WITH WATER TIGHT JOINTS MEETING ASTM F477 AND ASTM D3212, 15" THROUGH 24" DIAMETERS; PIPE TO BE CLASS III RCP OR BLUE SEAL HDPE AS SPECIFIED ABOVE. PIPES LARGER THAN 24" IN DIAMETER SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED. NO MATERIAL SUBSTITUTION SHALL BE ALLOWED FOR DUCTILE IRON PIPE (DIP).

6. ALL UTILITY STRUCTURES INCLUDING, BUT NOT LIMITED TO MANHOLES, CATCH BASINS, WATER VALVES, FIRE HYDRANTS, TELEPHONE AND ELECTRIC VAULTS, AND PUMP BOXES, THAT LIE WITHIN THE PUBLIC RIGHT-OF-WAY EASEMENTS OR AREAS AFFECTED BY WORK ON THIS PROJECT SHALL BE ADJUSTED TO GRADE BY THE CONTRACTOR OR THE RESPECTIVE UTILITY COMPANY FOR WHICH THE CONTRACTOR IS RESPONSIBLE TO AFFECT COORDINATION.

7. THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE IMPROVEMENT PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, THE ENGINEER CAN NOT ASSUME RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF THEIR DELINEATION OF SUCH UNDERGROUND UTILITIES WHICH MAY BE ENCOUNTERED, BUT ARE NOT SHOWN ON THESE DRAWINGS.

8. CONTRACTOR SHALL UNCOVER AND EXPOSE ALL EXISTING UTILITY AND SEWER LINES WHERE THEY ARE TO BE CROSSED, ABOVE OR BELOW, BY THE NEW FACILITY BEING CONSTRUCTED IN ORDER TO VERIFY THE GRADE AND TO ASSURE THAT THERE IS SUFFICIENT CLEARANCE. PIPE SHALL NOT BE STRUNG NOR TRENCHING COMMENCED UNTIL ALL CROSSLINGS HAVE BEEN VERIFIED FOR CLEARANCE. IF THE CONTRACTOR FAILS TO FOLLOW THIS PROCEDURE, HE WILL BE SOLELY RESPONSIBLE FOR ANY EXTRA WORK OR MATERIAL REQUIRED IF MODIFICATIONS TO THE DESIGN ARE NECESSARY.

9. THE CONTRACTOR SHALL SET HIS STRING OR WIRE THROUGH AT LEAST THREE GRADE STAKES TO VERIFY GRADE. IF THE STAKES DO NOT PRODUCE A UNIFORM GRADE, NOTIFY THE ENGINEER IMMEDIATELY AND HAVE THE GRADES CHECKED PRIOR TO TRENCHING OR PLACEMENT OF CONCRETE.

10. ADJUSTMENTS TO BUILDING PAD ELEVATIONS OR PARKING LOT GRADES TO ACHIEVE EARTHWORK BALANCE SHALL BE MADE ONLY WITH APPROVAL OF THE ENGINEER.

11. ALL WORK, ON-SITE AND IN THE PUBLIC RIGHT-OF-WAY, SHALL CONFORM TO THE CITY OF ORO VALLEY STANDARD SPECIFICATIONS AND REQUIREMENTS.

CONCRETE NOTES

1. MINIMUM COMPRESSIVE STRENGTH OF SITE CONCRETE SHALL BE 3,000 PSI FOR AREAS NOT SUBJECT TO VEHICULAR TRAFFIC AND 4,000 PSI FOR AREAS SUBJECT TO VEHICULAR TRAFFIC. UNLESS OTHERWISE NOTED CONTRACTOR SHALL SUBMIT MIX DESIGNS FOR REVIEW AND APPROVAL.

2. ALL REINFORCING STEEL, DOWELS, AND THE BARS SHALL BE AT MINIMUM 60 KSI AND INSTALLED PER ACI GUIDELINES.

3. CONTRACTOR SHALL USE A WHITE PIGMENTED MEMBRANE FORMING CURING COMPOUND MEETING ASTM C309 C1315 (TYPE II) REQUIREMENTS FOLLOWING THE NORMAL CURING PROCEDURE RECOMMENDED BY THE MANUFACTURER.

4. JOINTING PLAN

A. CONTRACTOR TO PROVIDE JOINTING PLAN TO ENGINEER FOR REVIEW AND APPROVAL SHOWING LOCATION & SPACING OF CONTRACTION AND ISOLATION JOINTS AS SHOWN ON DETAIL SHEETS. AT THIS TIME IT SHOULD BE DETERMINED IF CURBS ARE BEING POURED MONOLITHICALLY AND JOINTING ADJUSTED ACCORDINGLY.

B. JOINT PANELS TO BE APPROXIMATELY SQUARED WITH THE LENGTH OF PANEL BEING NO MORE THAN 25% GREATER THAN WIDTH.

C. MAXIMUM JOINT SPACING SHALL BE AS CLOSE AS PRACTICAL TO THE FOLLOWING FORMULA $(2 \times \text{SLAB THICKNESS IN INCHES} = \text{JOINT SPACING IN FEET})$. JOINT SPACING SHALL NOT EXCEED THIS VALUE BY 15%.

D. CONTRACTION JOINTS SHALL BE 1/4 THE SLAB THICKNESS. TOOLED CONTRACTION JOINTS CAN BE UTILIZED FOR SLAB LESS THAN 5" THICK. SLABS 5" AND GREATER SHALL HAVE CONTRACTION JOINTS SAWN. SAWING OF CONTRACTION JOINTS SHALL BE DONE AS EARLY AS POSSIBLE, KEEPING IN MIND THAT WEATHER, MIX DESIGN AND JOB SITE CONDITIONS MAY IMPACT JOINTING SCHEDULE.

5. CONCRETE COLOR SHALL BE STANDARD GREY WITH LIGHT BROWN FINISH UNLESS OTHERWISE NOTED ON PLAN. CONTRACTOR SHALL REVIEW ARCHITECTURAL AND LANDSCAPE ARCHITECT PLANS FOR ADDITIONAL COLORING, FINISHING OR JOINTING DETAILS.

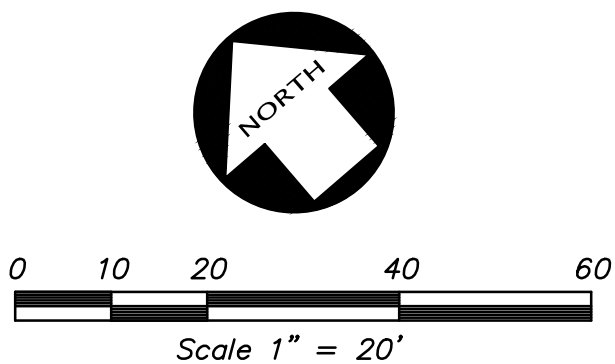
6. THE ABOVE NOTES PERTAIN TO NON-STRUCTURAL SITE CONCRETE ONLY.

1. BACKFILLING AND COMPACTION FOR ALL TRENCHES SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER.
2. CONTRACTOR TO VERIFY ALL EXISTING INVERT ELEVATIONS FOR STORM DRAIN AND SANITARY SEWER CONSTRUCTION PRIOR TO ANY SITE WORK. ALL WORK FOR STORM DRAIN AND SANITARY SEWER INSTALLATION SHALL BEGIN AT THE DOWNSTREAM CONNECTION POINT. THIS WILL ALLOW FOR ANY NECESSARY ADJUSTMENTS TO BE MADE PRIOR TO THE INSTALLATION OF THE ENTIRE LINE. IF THE CONTRACTOR FAILS TO BEGIN AT THE DOWNSTREAM CONNECTION POINT AND WORKS UPSTREAM, HE SHALL PROCEED AT HIS OWN RISK AND BE RESPONSIBLE FOR ANY ADJUSTMENTS NECESSARY.
3. ALL WORK ON-SITE AND IN THE PUBLIC RIGHT OF WAY SHALL CONFORM TO THE CITY OF ORO VALLEY STANDARDS AND REQUIREMENTS.
4. GENERAL CONTRACTOR SHALL COORDINATE ALL UNDERGROUND UTILITIES. PROVIDE 6" MINIMUM BETWEEN PIPES CROSSING ELECTRICAL LINES HORIZONTALLY AND 12" MINIMUM BETWEEN PARALLEL PIPES CROSSING ELECTRICAL LINES.
5. UTILITY MATERIALS AND TYPES, MUST BE PER PROJECT REGULATIONS AND REQUIREMENTS IF APPLICABLE AND NOT IDENTIFIED ON THESE PLANS.
6. WATER LINES SHALL BE 12" MINIMUM ABOVE SANITARY SEWER LINE AT ALL CROSSINGS.
7. MINIMUM COVER FOR WATER LINES IS 3.0 FEET.
8. MINIMUM COVER FOR FIRE SERVICE LINES IS 4.0 FEET.
9. SANITARY SEWER SHALL BE PVC SDR 35 EXCEPT WHERE DUCTILE IRON PIPE (DIP) IS NOTED OR AS REQUIRED BY THE LOCAL JURISDICTION. CONTRACTOR SHALL VERIFY REQUIREMENTS PRIOR TO PLACING HIS BID. DUCTILE IRON PIPE (DIP) SHALL BE CLASS 50.
10. DOMESTIC WATER LINES $\frac{3}{4}$ "-3" SHALL BE SCHEDULE 40 PVC, 4" AND ABOVE SHALL BE C900 DR 18 PIPE.
11. FIRE SERVICE LINES 6"-12" SHALL BE C900 DR 14, UNLESS SPECIFIED OTHERWISE ON FIRE SHOP DRAWINGS.

1. THE UNDERGROUND FIRE PROTECTION SYSTEM SHOWN ON THIS DRAWING IS SCHEMATIC AND IS NOT INTENDED TO BE AN INSTALLATION DRAWING. THIS DRAWING SHALL NOT BE USED AS A BASE SHEET FOR SHOP DRAWINGS WITHOUT THE WRITTEN APPROVAL OF THE PREPARER.
2. THE UNDERGROUND FIRE PROTECTION SYSTEM INSTALLER SHALL PREPARE SHOP DRAWINGS SHOWING ALL INFORMATION REQUESTED BY THE JURISDICTIONAL APPROVAL AGENCY, NFPA 13, 24 AND THE LOCAL FIRE MARSHAL.
3. THE UNDERGROUND FIRE PROTECTION SYSTEM INSTALLER SHALL SUBMIT SHOP DRAWINGS TO THE LOCAL FIRE MARSHAL/BUILDING OFFICIAL AND THE OWNER'S REVIEWING AGENT FOR PERMIT AND APPROVAL/ACCEPTANCE.
4. THE UNDERGROUND FIRE PROTECTION SYSTEM INSTALLER SHALL SUBMIT SHOP DRAWINGS TO THE ARCHITECT, ALLOWING TIME FOR REVIEW AND ACCEPTANCE, PRIOR TO START OF WORK. REQUIREMENTS FOR SHOP DRAWINGS SUBMITTAL ARE PER THE JURISDICTIONAL APPROVAL AGENCY AND THE LOCAL FIRE MARSHAL.
5. SHOP DRAWINGS, APPROVED BY THE LOCAL FIRE MARSHAL AND OWNER'S REVIEWING AGENT, SHALL BE SUBMITTED BY THE UNDERGROUND FIRE PROTECTION SYSTEM INSTALLER, TO THE ARCHITECT, PRIOR TO REQUESTING FINAL APPROVAL AND PAYMENT. REQUIREMENTS FOR SHOP DRAWINGS SUBMITTAL ARE LISTED IN SPECIFICATIONS.
6. REFER TO THE REQUIREMENTS/REGULATIONS OF THE JURISDICTIONAL APPROVAL AGENCY AND THE LOCAL FIRE MARSHAL FOR UNDERGROUND FIRE PROTECTION SYSTEM REQUIREMENTS. SPECIFICATIONS ARE PART OF THE CONTRACT DOCUMENTS AND APPLIES TO THE GENERAL CONTRACTOR AND THE FIRE PROTECTION SYSTEM INSTALLER.
7. GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF COMPLIANCE OF THE SHOP DRAWINGS TO THE PLANS AND REQUIREMENTS/REGULATIONS OF THE JURISDICTIONAL APPROVAL AGENCY AND THE LOCAL FIRE MARSHAL PRIOR TO SUBMITTAL.
8. GENERAL CONTRACTOR SHALL NOT DIVIDE THE UNDERGROUND FIRE PROTECTION SYSTEM SCOPE OF WORK BETWEEN SUBCONTRACTORS.
9. GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS AND EQUIPMENT LOCATIONS. AUTOMATIC SPRINKLER RISER LOCATIONS ARE SHOWN ON ARCHITECTURAL DRAWINGS.
10. SEE ARCHITECTURAL FLOOR PLANS FOR DIMENSIONED AUTOMATIC SPRINKLER RISER (ASR) LOCATIONS.

1. MINIMUM COMPRESSIVE STRENGTH OF SITE CONCRETE SHALL BE 3,000 PSI FOR AREAS NOT SUBJECT TO VEHICULAR TRAFFIC AND 4,000 PSI FOR AREAS SUBJECT TO VEHICULAR TRAFFIC. UNLESS OTHERWISE NOTED CONTRACTOR SHALL SUBMIT MIX DESIGNS FOR REVIEW AND APPROVAL.
2. ALL REINFORCING STEEL, DOWELS, AND TIE BARS SHALL BE AT MINIMUM 60 KSI AND INSTALLED PER ACI GUIDELINES.
3. CONTRACTOR SHALL USE A WHITE PIGMENTED MEMBRANE FORMING CURING COMPOUND MEETING ASTM C309 OR C1315 (TYPE I) REQUIREMENTS FOLLOWING THE NORMAL CURING PROCEDURE RECOMMENDED BY THE MANUFACTURER.
4. JOINTING PLAN
 - a. CONTRACTOR TO PROVIDE JOINTING PLAN TO ENGINEER FOR REVIEW AND APPROVAL SHOWING LOCATION AND SPACING OF CONTRACTION AND ISOLATION JOINTS AS SHOWN ON DETAIL SHEETS. AT THIS TIME IT SHOULD BE DETERMINED IF CURBS ARE BEING POURED MONOLITHICALLY AND JOINTING ADJUSTED ACCORDINGLY.
 - b. JOINT PANELS TO BE APPROXIMATELY SQUARE WITH THE LENGTH OF PANEL BEING NO MORE THAN 25% GREATER THAN WIDTH.
 - c. MAXIMUM JOINT SPACING SHALL BE AS CLOSE AS PRACTICAL TO THE FOLLOWING FORMULA ($2 \times \text{SLAB THICKNESS IN INCHES} = \text{JOINT SPACING IN FEET}$). JOINT SPACING SHALL NOT EXCEED THIS VALUE BY 15%.
 - d. CONTRACTION JOINTS SHALL BE 1/4 THE SLAB THICKNESS. TOOLED CONTRACTION JOINTS CAN BE UTILIZED FOR SLAB LESS THAN 5" THICK. SLABS 5" AND GREATER SHALL HAVE CONTRACTION JOINTS SAWN. SAWING OF CONTRACTION JOINTS SHALL BE DONE AS EARLY AS POSSIBLE, KEEPING IN MIND THAT WEATHER, MIX DESIGN AND JOB SITE CONDITIONS MAY IMPACT JOINTING SCHEDULE.
5. CONCRETE COLOR SHALL BE STANDARD GREY WITH LIGHT BROOM FINISH UNLESS OTHERWISE NOTED ON PLANS. CONTRACTOR SHALL REVIEW ARCHITECTURAL AND LANDSCAPE ARCHITECT PLANS FOR ADDITIONAL COLORING, FINISHING OR JOINTING DETAILS.
6. THE ABOVE NOTES PERTAIN TO NON-STRUCTURAL SITE CONCRETE ONLY.

SITE ADDRESS	OWNER/DEVELOPER	ARCHITECT	CIVIL			
10568 NORTH ORACLE RD ORO VALLEY, AZ 85755	MERIDIAN ATTN: JAMES HAWLEY 2121 N. CALIFORNIA BLVD., SUITE 290 WALNUT CREEK, CA 94596 360-927-8881 EMAIL: jhawley@mpcca.com	HIGHTON COMPANY, LLC ATTN: GARY HIGHTON 1555 E. RUDASILL ROAD, BUILDING 2 TUCSON, AZ 85704 520-407-1344 EMAIL: gary@hightoncompany.com	KIER & WRIGHT CIVIL ENGINEERS & SURVEYORS, INC. ATTN: EMAD Y. SARIEDDINE, P.E. 2850 COLLIER CANYON ROAD LIVERMORE, CA 94551 925-245-8788 EMAIL: esarieddine@kierwright.com			
DATE: 04/22/22		NOTES				
SCALE: 1"=20'		FOR				
C.I.: 1 FOOT		10568 NORTH ORACLE ROAD				
		AT SAN DORADO				
		LOT 2				
A PORTION OF SECTION 7, TOWNSHIP 12 SOUTH, RANGE 14 EAST, TOWN OF ORO VALLEY, PIMA COUNTY, ARIZONA		NO.	DATE	REVISION	BY	C2.2 OF 7



ABBREVIATIONS

BC	BACK OF CURB
BL	BUILDING LINE
BLRD	BOLLARD
CB	CABINET
CB	CATCH BASIN
CD	CORRUGATED METAL PIPE
DOOR	
E	EAST
E.E.	ELECTRICAL EASEMENT
EB	ELECTRIC BOX
EH	ELECTRICAL MANHOLE
EP	EDGE OF PAVEMENT
EV	ELECTRICAL VAULT
EW	EDGE OF WALK
FF	FINISH FLOOR
FH	FIRE HYDRANT
FL	FLOW LINE
FW	FACE OF WALL
G.E.	GAS EASEMENT
IB	IRRIGATION BOX
INV	INVERT
MH	MANHOLE
NR	NORTH
RE	RIM ELEVATION
RSL	RISER
RWR	RAIN WATER LEADER
S	SOUTH
SD	STORM DRAIN
SS	SANITARY SEWER
SSSO	SANITARY SEWER CLEAN OUT
SSMH	SANITARY SEWER MANHOLE
SW	SWALE
TC	TOP OF CURB
TEL	TELEPHONE
TMH	TELEPHONE MANHOLE
TOE	GRADE BREAK LINE TOE
TOP	GRADE BREAK LINE TOP
TW	TOP OF WALL
W	WEST
WE	WATER LINE EASEMENT
WL	WALK LIGHT
WM	WATER METER
WV	WATER VALVE

1. THE BOUNDARY, EASEMENT, AND OTHER ENCUMBRANCES SHOWN ON THIS DRAWING ARE BASED SOLELY UPON INFORMATION CONTAINED IN THE FOLLOWING DOCUMENTS: AN ALTA/NSPS SURVEY PREPARED BY COOPER AERIAL SURVEY CO. DATED 3/11/2022
2. ALL DISTANCES AND ELEVATIONS SHOWN HEREON ARE IN FEET AND DECIMALS THEREOF.
3. THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS TOPOGRAPHIC SURVEY, WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. (A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES). HOWEVER, THE ENGINEER CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES WHICH MAY BE ENCOUNTERED, BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS.
4. PHYSICAL ITEMS SHOWN ON THIS SURVEY ARE LIMITED TO THOSE ITEMS VISIBLE AS OF THE DATE OF THIS SURVEY. SUBSURFACE STRUCTURES, IF ANY, ARE NOT SHOWN. SAID SUBSURFACE OBJECTS MAY INCLUDE, BUT ARE NOT LIMITED TO, CONCRETE FOOTINGS, SLABS, SHORING, STRUCTURAL PILES, UTILITY VALVES, PIPING UNDERGROUND TANKS, AND ANY OTHER SUBSURFACE STRUCTURES NOT REVEALED BY A SURFACE INSPECTION.
5. THE SUBJECT PROPERTY IS SHOWN ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) FOR PIMA COUNTY, ARIZONA, MAP NUMBER 04019C1089L FOR COMMUNITY NUMBER _____ (CITY OF TUCSON), WITH AN EFFECTIVE DATE OF JUNE 16, 2011, AS BEING LOCATED IN FLOOD ZONE "X". ACCORDING TO FEMA THE DEFINITION OF ZONE "X" IS: AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN

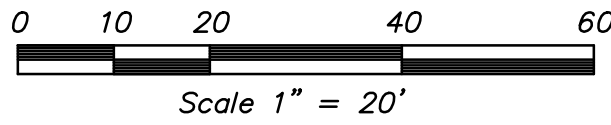
6. BENCHMARK:
THE VERTICAL DATUM FOR THIS PROJECT IS BASED ON CLIENT PROVIDED PLANS, "IMPROVEMENT PLAN, SAN DORADO-COMMERCIAL PARCEL." HELD BRASS DISK MONUMENT FOUND AT THE SOUTHWEST CORNER OF LOT 1 OF (R1), PUBLISHED ELEVATION 2548.49' (NGVD29).

ELEVATIONS SHOWN HEREON ARE BASED ON (NGVD29). TO CONVERT TO (NAVD88) (ADD OR SUBTRACT) _____ (FROM OR TO) THE ELEVATIONS SHOWN. DATUM CONVERSION WAS OBTAINED FROM THE NGS VERTCON WEBSITE (WWW.NGS.NOAA.GOV/CGI-BIN/VERTCON/VERT_CON.PRL).

7. BASIS OF BEARINGS:
BASIS OF BEARINGS IS GRID NORTH, BASED ON STATIC GPS OBSERVATIONS

TOPOGRAPHIC SURVEY
FOR
10568 NORTH ORACLE ROAD
AT SAN DORADO
LOT 2

[illegible]



ORACLE ROAD
(200' WIDE R/W) (A PUBLIC ROAD)

LEGEND

[illegible]

ASPHALT BERM
BLOCK/RETAINING WALL
BUILDING LINE
CENTER LINE
CONCRETE CURB
CONCRETE CURB CUT
CONCRETE CURB & GUTTER
CONTOUR LINE
DRIVEWAY
EDGE OF PAVEMENT
ELECTRIC LINE
FIRE SERVICE & VALVE
FIBER OPTICS LINE
FLUSH CONCRETE CURB
GENCE LINE
GAS LINE-VALVE & METER
GRADE BREAK LINE
GUARD RAIL
JOINT TRENCH LINE
LOT LINE
MONUMENT/MONUMENT LINE
OVERHEAD POWER LINE
PERFORATED STORM DRAIN PIPE
PROPERTY LINE
RAINFALL LINE
RAINFALLER
RIDGE LINE
SANITARY SEWER-MANHOLE & CLEANOUT
SIDEWALK
SIDEWALK-MANHOLE & CATCH BASIN
TELEPHONE LINE
THRU CURB DRAIN
WATER LINE & VALVE
BACKFLOW PREVENTION DEVICE
ELECTROLYZER
WALK-BOLLARD LIGHT
FIRE HYDRANT
POST INDICATOR VALVE
POWER POLE/JOINT POLE
SLOPE ELEVATION
TRANSFORMER
TRAFFIC SIGN
TREE
UTILITY POLE
AREA DRAIN
AIR RELEASE VALVE
AUTOMATIC SPRINKLER RISER
AIR VALVE POST
BACKFLOW PREVENTION DEVICE
BACK OF WALK
BLOWOFF VALVE
BUILDING
BUILDING LINE
CATCH BASIN
CABLE TELEVISION BOX
CALTRANS BOX
CLEANOUT TO GRADE
CONCRETE
DOUBLE DETECTOR CHECK VALVE
DOWN
DOWN SPOUT
DUCTILE IRON PIPE
ELECTRIC BOX
ELECTROLYSIS TEST STATION
EASEMENT
EDGE OF WALK
FACE OF BERM
FACE OF CURB
FACE OF WALL
FINISHED FLOOR
FLOW LINE

PROPOSED

FH
FOM
GLM
GM
GV
GB
GA
HP
IE
IB
JP
LT
OF
OD
PBMH
PV
POC
PIV
PP
RWL
RVP
R
RE
RD
SSCO
SSMH
SMH
SM
SL
SLB

FIRE HYDRANT
 FIBER OPTICS MARKER
 GAS LINE MARKER
 GAS METER
 GAS VALVE
 GRADE BREAK
 GUY ANCHOR
 HIGH POINT
 INVERT ELEVATION
 IRIDIUM TOWER
 JOINT POWER POLE
 LOW POINT
 LIGHT
 OVERFLOW
 OVERFLOW DRAIN
 PAC BELL MANHOLE
 PAVEMENT
 POINT OF CONNECTION
 POST SIGNAL VALVE
 POWER POLE
 RAINWATER LEADER
 RELEASE VALVE POST
 SINK
 RISE ELEVATION
 ROOF DRAIN
 SANITARY SEWER CLEANOUT
 SANITARY SEWER MANHOLE
 SPINNY WHEEL
 STREET MARKER
 STREET LIGHT
 STREET LIGHT JUNCTION BOX
 STORM DRAIN MANHOLE
 SWALE
 TELEPHONE BOX
 TELEPHONE MANHOLE
 TRAFFIC SIGNAL BOX
 TRAFFIC SIGNAL POLE
 TOP OF BEAM
 TOP OF CURB
 TOP OF FLOW
 TRANSFORMER
 TRASH ENCLOSURE
 WATER BOX
 WATER METER
 WATER VALVE

AUTO PAVEMENT: 2.5" AC OVER 4" CLASS II AB

DRIVE AISLE: 3" AC OVER 4" CLASS II AB

CONCRETE TRUCK PAVEMENT: 6" PCC OVER 4" CLASS II AB

CONCRETE SIDEWALK: 4" PCC OVER 95% R.C. SUBGRADE

4" DEPRESSED WATER HARVESTING AREA

KEY NOTES

- 1 6" CURB PER DETAIL 1/C2.1
- 2 CURB OPENING PER DETAIL 7/C2.2
- 3 RIP RAP PER DETAIL 7/C2.2
- 4 3' WIDE VALLEY GUTTER PER DETAIL 2/C2.2
- 5 CURB AND SIDEWALK PER DETAIL 3/C2.1
- 6 CURB RAMP PER DETAIL 4/C2.1
- 7 CURB RAMP PER DETAIL 5/C2.1
- 8 CURB RAMP PER DETAIL 6/C2.1
- 9 TRASH ENCLOSURE PER DETAIL 4/C2.1
- 10 42" HIGH SITE WALL. PER DETAIL 8/C2.1
- 11 CONNECT RAINWATER LEADER TO CURB—O—LET PER DETAIL 1/C2.2
- 12 ACCESSIBLE PARKING STALL PER DETAIL 7/C2.1
- 13 BIKE LOCKER FOR TWO BIKES PER DETAIL 5/C2.1
- 14 ROOF DOWNSPOUT PER ARCHITECTURAL/PLUMBING DRAWINGS
- 15 4" MAX DEPRESSED LANDSCAPE AREA. SEE LANDSCAPE PLANS
- 16 SIGHT VISIBILITY TRIANGLE



SITE ADDRESS 10568 NORTH ORACLE RD ORO VALLEY, AZ 85755	OWNER/DEVELOPER MERIDIAN ATTN: JAMES HAWLEY 2121 N. CALIFORNIA BLVD., SUITE 290 WALNUT CREEK, CA 94596 360-927-8881 EMAIL: jhawley@mpcca.com	ARCHITECT HIGHTON COMPANY, LLC ATTN: GARY HIGHTON 1555 E. RUDASILL ROAD, BUILDING 2 TUCSON, AZ 85704 520-407-1344 EMAIL: gary@hightoncompany.com	CIVIL KIER & WRIGHT CIVIL ENGINEERS & SURVEYORS, INC. ATTN: EMAD Y. SARIEDDINE, P.E. 2850 COLLIER CANYON ROAD LIVERMORE, CA 94551 925-245-8788 EMAIL: esarieddine@kierwright.com																																
DATE: 04/22/22		GRADING & DRAINAGE PLAN FOR 10568 NORTH ORACLE ROAD AT SAN DORADO LOT 2																																	
SCALE: 1"=20'																																			
C.I.: 1 FOOT																																			
A PORTION OF SECTION 7, TOWNSHIP 12 SOUTH, RANGE 14 EAST, TOWN OF ORO VALLEY, PIMA COUNTY, ARIZONA		<table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>REVISION</th> <th>BY</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>		NO.	DATE	REVISION	BY																												
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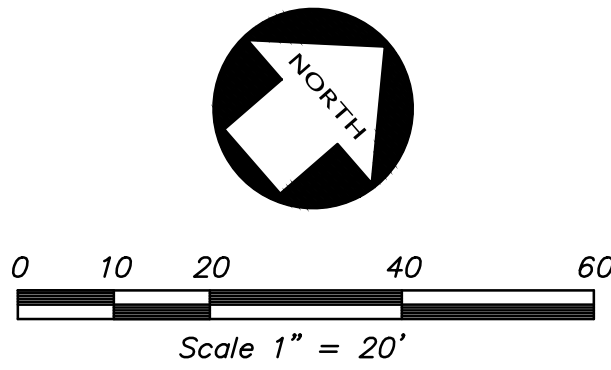
10568 NORTH ORACLE ROAD

Contact Arizona 811 at least two full working days before you begin excavation



Call 811 or click Arizona811.com

ORACLE ROAD
(200' WIDE R/W) (A PUBLIC ROAD)



LEGEND

PROPOSED	EXISTING	
		ASPHALT BERM
		BUILDING LINE
		CENTER LINE
		CONCRETE CURB & GUTTER
		CONTOUR LINE
		DRIVEWAY
		EDGE OF PAVEMENT
		ELECTRIC LINE
		FENCE LINE
		FIRE SERVICE & VALVE
		FIBER OPTICS LINE
		GAS LINE-VALVE & METER
		GUARD RAIL
		LOT LINE
		MONUMENT/MONUMENT LINE
		OVERHEAD POWER LINE
		JOINT TRENCH LINE
		PERFORATED STORM DRAIN PIPE
		PROPERTY LINE
		SANITARY SEWER-MANHOLE & CLEANOUT
		SIDEWALK
		SPOT ELEVATION
		STORM DRAIN-MANHOLE & CATCH BASIN THRU CURB DRAIN
		TELEPHONE LINE
		WATER LINE & VALVE
		BACKFLOW PREVENTION DEVICE
		ELECTROLINER
		WALK-BOLLARD LIGHT
		FIRE HYDRANT
		POST INDICATOR VALVE
		POWER POLE/JOINT POLE
		TRANSFORMER
		TRAFFIC SIGN
		UTILITY BOX
		AREA DRAIN
		AIR RELEASE VALVE
		AIR VALVE POST
		AUTOMATIC SPRINKLER RISER
		BACKFLOW PREVENTION DEVICE
		BLOWOFF VALVE
		CABLE TELEVISION BOX
		CALTRANS BOX
		CATCH BASIN
		CLEANOUT TO GRADE
		DOUBLE DETECTOR CHECK VALVE
		DOWN SPOUT
		ELECTRIC BOX
		ELECTROLYSIS TEST STATION
		FINISHED FLOOR
		FIRE HYDRANT
		FLOW LINE
		FIBER OPTICS MARKER
		GAS LINE MARKER
		GAS METER
		GAS VALVE
		GUY ANCHOR
		INVERT ELEVATION
		IRRIGATION BOX
		JOINT POWER POLE
		LIGHT
		PAC BELL MANHOLE
		POINT OF CONNECTION
		POST INDICATOR VALVE
		POWER POLE
		RAIN WATER LEADER
		RELEASE VALVE POST
		RIM ELEVATION
		SANITARY SEWER CLEANOUT
		SANITARY SEWER MANHOLE
		SPRINT MANHOLE
		SPRINT MARKER
		STORM DRAIN MANHOLE
		STORM DRAIN JUNCTION BOX
		STREET LIGHT
		STREET LIGHT BOX
		TELEPHONE BOX
		TELEPHONE MANHOLE
		TRAFFIC SIGNAL BOX
		TRAFFIC SIGNAL POLE
		WATER BOX
		WATER METER
		WATER VALVE

UTILITY KEY NOTES

- 1 RELOCATE FIRE HYDRANT PER ORO VALLEY WATER STANDARDS
- 2 NEW 1" PRESSURE REDUCING VALVE AND BACKFLOW ASSEMBLY WITH CAGE PER ORO VALLEY WATER STANDARD
- 3 NEW 4" BACKFLOW PREVENTER PER ORO VALLEY WATER STANDARDS AND SPECIFICATIONS
- 4 NEW 3/4" BACKFLOW PREVENTER IRRIGATION SERVICE WITH CAGE PER ORO VALLEY WATER STANDARD
- 5 CONNECT 1" WATER METER TO EXISTING LATERAL PER ORO VALLEY WATER STANDARDS.
- 6 NEW SEWER CLEANOUT PER REGIONAL WASTEWATER RECLAMATION DEPARTMENT STANDARD DETAIL RMRD 404
- 7 CONTRACTOR TO POTHOLE AND IDENTIFY SEWER INVERT AND NOTIFY ENGINEER OF FINDINGS PRIOR TO SEWER INSTALLATION
- 8 INSTALL CURB-O-LET PER DETAIL 1/C2.1
- 9 PULL BOX TO BE ADJUSTED TO GRADE AND H20 TRAFFIC RATED LID TO BE INSTALLED.
- 10 CONNECT TO EXISTING GAS LINE PER SWG STANDARDS. SEE DRAWINGS BY OTHERS
- 11 TEP TO IDENTIFY TIE IN LOCATION FOR POWER. SEE DRAWING BY OTHERS



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