GENERAL NOTES (CITY OF MESA):

(REVISED 03-15-18) (2018 VERSION) 1. ALL WORK AND MATERIALS SHALL CONFORM TO CURRENT UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION AS PUBLISHED 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. THE INFORMATION SHOWN ON DRAWINGS CONCERNING THE TYPE AND LOCATION OF EXISTING UNDERGROUND UTILITIES IS APPROXIMATE AND HAS NOT BEEN INDEPENDENTLY VERIFIED BY THE ENGINEER OR THE ENGINEER'S AGENT. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY OCCUR BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND AND OVERHEAD UTILITIES. A. CALL 602-263-1100 OR 811 FOR BLUE STAKE SERVICES.

B. CALL SALT RIVER POWER FOR POLE BRACING, ELECTRIC SERVICE OR CONSTRUCTION SCHEDULING AT 602-236-8888. C. CALL CITY OF MESA ELECTRICAL FOR POLE BRACING, ELECTRICAL SERVICE OR CONSTRUCTION SCHEDULING AT 480-644-2251 WITHIN CITY OF MESA ELECTRICAL SERVICE TERRITORY (DOWNTOWN MESA).

D. WHEN EXCAVATING IN OR ADJACENT TO A CITY PARK OR AQUATIC FACILITY THE CONTRACTOR SHALL CONTACT AQUATICS AND PARKS MAINTENANCE AT 480-644-3097 TO REQUEST ASSISTANCE IN LOCATING UNDERGROUND UTILITY FACILITIES. E. WHEN EXCAVATING IN OR ADJACENT TO LANDSCAPING WITHIN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL CONTACT TRANSPORTATION FIELD OPERATIONS AT 480-644-3380 TO REQUEST ASSISTANCE IN LOCATING UNDERGROUND IRRIGATION FACILITIES.

3. TRAFFIC CONTROL SHALL CONFORM TO THE CITY OF MESA TEMPORARY TRAFFIC CONTROL MANUAL. ELECTRONIC COPIES ARE AVAILABLE AT http://www.mesaaz.gov/business/barricading-temporary-traffic-control-permits. HARD COPIES CAN BE MADE AVAILABLE AT DEVELOPMENT SERVICES, 55 N. CENTER ST., MESA, ARIZONA 4. CONTRACTOR TO NOTIFY TRAFFIC OPERATIONS AT 480-644-3126 PRIOR TO SIGN REMOVAL AND WHEN READY TO PERMANENTLY RELOCATE SIGN.

5. CONTRACTOR TO OBTAIN ANY PERMITS REQUIRED UNLESS OTHERWISE INDICATED, AND COORDINATE ALL IRRIGATION DRY-UPS, RELOCATIONS, AND REMOVALS BY OTHERS. 6. CONTRACTOR SHALL POTHOLE EXISTING UTILITIES AHEAD OF CONSTRUCTION TO ALLOW FOR ANY NECESSARY

ADJUSTMENTS IN GRADE LINE AND TO VERIFY PIPE MATERIALS FOR ORDERING THE APPROPRIATE TRANSITION AND TIE-IN FITTINGS THAT MAY BE REQUIRED.

7. THE CONTRACTOR IS RESPONSIBLE TO REMOVE ALL ABANDONED UTILITIES THAT INTERFERE WITH PROPOSED IMPROVEMENTS. THE CITY OF MESA UTILITIES DEPARTMENT LOCATING SECTION WILL ASSIST THE CONTRACTOR AS NEEDED, IN DETERMINING IF THE UTILITY (GAS, WATER, AND WASTEWATER ONLY) IS ABANDONED BY CALLING 480-644-4500.

8. PRIOR TO START OF CONSTRUCTION ON PRIVATE PROPERTY (EASEMENTS), THE CONTRACTOR SHALL GIVE THE OWNER SUFFICIENT TIME (MINIMUM 48 HOURS) TO REMOVE ANY ITEMS IN CONFLICT WITH CONSTRUCTION. THE CONTRACTOR SHALL ARRANGE TO REMOVE AND REPLACE ALL OTHER CONFLICTS AS REQUIRED. 9. THE CONTRACTOR SHALL COORDINATE WORK SCHEDULES TO PREVENT ANY CONFLICTING WORK CONDITIONS WITH THE CITY OF MESA UTILITY AND TRANSPORTATION CREWS.

10. THE CONTRACTOR IS ADVISED THAT A DUST CONTROL PERMIT AND A DUST CONTROL PLAN MAY BE REQUIRED BY THE MARICOPA COUNTY AIR QUALITY DEPARTMENT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THIS PERMIT IF NECESSARY, AND COMPLY WITH ITS REQUIREMENTS. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE A COPY OF THE DUST CONTROL PERMIT AND DUST CONTROL PLAN TO THE CITY FOR REVIEW.

11. INSPECTIONS SHALL BE PROVIDED BY THE CITY OF MESA. THE CONTRACTOR SHALL NOTIFY THE CITY INSPECTION DEPARTMENT AT LEAST 48 HOURS IN ADVANCE OF ANY CONSTRUCTION. 12. THE JOB SITE SHALL BE CLEANED OF ANY DEBRIS OR SPOIL RESULTING FROM THIS PROJECT AT THE COMPLETION OF

CONSTRUCTION. 13. ALL EQUIPMENT AND MATERIALS NOT SHOWN OR SPECIFIED ON THE PLANS OR SPECIFICATIONS, BUT REQUIRED TO COMPLETE THIS PROJECT, SHALL BE SUPPLIED BY THE CONTRACTOR AS PART OF THIS CONTRACT WORK (NO ADDITIONAL COST TO THE CITY).

14. WHEREVER PAVEMENT REPLACEMENT PER MESA STD DETAIL M-19.04.1 OR MAG STD DETAIL 200 IS REFERRED TO WITHIN THESE PLANS, BACKFILLING SHALL BE PER THE CITY OF MESA STREET TRENCH BACKFILLING AND PAVEMENT

REPLACEMENT POLICY STATEMENT, REVISED SEPTEMBER 29, 1999. 15. FOR PURPOSES OF PAVEMENT PER MAG STD DETAIL 200 OR MESA STD DETAIL M-19.04.1, INTERSECTIONS ARE DEFINED BY THE CURB RETURNS IN ALL DIRECTIONS.

16. ANY SURVEY MARKERS DISTURBED OR DAMAGED BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY A REGISTERED LAND SURVEYOR AT NO ADDITIONAL COST TO THE CITY.

17. ALL EXISTING PAVEMENT MARKINGS, SIGNS, AND SIGNAL EQUIPMENT THAT ARE NOT PART OF THIS PROJECT BUT NEED TO BE REMOVED, REPLACED, RELOCATED, OR REPAIRED BECAUSE OF CONTRACTOR'S WORK WILL BE DONE AT THE CONTRACTOR'S EXPENSE.

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

UTILITY TABLE

	UTILITY	UTILITY COMPANY	CONTACT	DATE CONTACTED	DATE RESPONDED
	WATER	CITY OF MESA	(480) 644-4273	1/30/24	
	SEWER	CITY OF MESA	(480) 644-4273	1/30/24	
	POWER	SALT RIVER PROJECT	(602) 236-7726	7/2/24	
	COMM	COX COMMUNICATIONS	(623) 792-5506	7/2/24	
ſ	FIBER	GIGAPOWER, LLC	INFO@GIGAPOWER.COM	7/2/24	

R.B. WILLIAMS & ASSOCIATES, INC. NOTES TO CONTRACTOR

1. ANY AMBIGUITIES OR DEFICIENCIES DISCOVERED ON THESE PLANS ARE TO BE RESOLVED BY R.B. WILLIAMS & ASSOCIATES, INC. ANYONE ELSE WHO MODIFIES THE PLANS OR THE DESIGNS ON THEM OR RESOLVES AMBIGUITIES OR DEFICIENCIES BECOMES RESPONSIBLE FOR HIS MODIFICATION OR DECISION.

2. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL TIE-IN LOCATIONS INCLUDING PAVEMENT MATCHING AT BOUNDARIES AND UTILITY CONNECTIONS PRIOR BEGINNING OF THE WORK.

3. THE ENGINEER MAKES NO GUARANTEE REGARDING THE LOCATION OR ELEVATION OF EXISTING UTILITIES SHOWN ON THESE PLANS. THE CONTRACTOR SHALL CALL BLUE STAKE FOR ALL UTILITIES.

4. THE CONTRACTOR IS RESPONSIBLE TO MAKE HIS OWN ESTIMATE OF EARTHWORK REQUIREMENTS FOR THE PROJECT AND IS RESPONSIBLE TO IMPORT OR EXPORT MATERIAL AS REQUIRED TO ACCOMPLISH THE GRADING AS SHOWN ON THESE PLANS AT NO EXTRA COST TO THE OWNER.

5. THESE QUANTITIES ARE FOR PERMITTING PURPOSES ONLY. THE CONTRACTOR IS TO DETERMINE HIS OWN QUANTITIES.

APPROVALS

ROOSEVELT WATER CONSERVATION DISTRICT

CHECKING IS ONLY FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN. ANY ACTION SHOWN IS SUBJECT TO THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS WHICH SHALL BE CONFIRMED AND CORRELATED AT THE JOB SITE; FABRICATION, PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATION OF HIS WORK WITH THAT OF ALL OTHER TRADES. THE SATISFACTORY PERFORMANCE OF HIS WORK. THE DISTRICT'S REVIEW OF THE PLANS IS A VOLUNTARY AND DISCRETIONARY ACTION WHICH IS NOT MANDATED BY STATE STATUTE. THE DISTRICT'S REVIEW OF THE PLANS IS SOLELY FOR THE DISTRICT'S BENEFIT, CONDUCTED WITH ONLY THE DISTRICT'S INTEREST IN MIND, AND SHOULD NOT BE RELIED UPON BY ANY THIRD PARTY. BY

REVIEWING THE PLANS THE DISTRICT DOES NOT ASSUME ANY DUTY TO THIRD PARTIES.

ENGINEER:

RWCD:_

DATE:

DATE: _____

APN: 141-25-068

AREA IS 1356.00.

OF 1403.166'

FLOOD PLAIN

FLOOD ZONE AH PER FEMA FIRM PANEL 2280L, MAP NO. 04013C 2280L (CITY OF MESA MAP NO. 040048 PANEL 2280L) REVISED 10/16/23.

RETENTION CALCULATION

VOLUME REQUIRED

VOLUME PROVIDED PIPE.

VP = 7,772 CF



FALCON VIEW INDUSTRIAL PARK (SALT WORKS)

3014 N MAPLE STREET MESA, AZ 85215

GRADING & DRAINAGE PLAN WITH OFFSITE IMPROVEMENTS

A.P.N.: 141-25-068 COMMONS INDUSTRIAL PARK AT FALCON VIEW UNIT 1

LEGAL DESCRIPTION

LOT 7, THE COMMONS INDUSTRIAL PARK AT FALCON VIEW UNIT 1, ACCORDING TO THE PLAT OF RECORD IN THE OFFICE OF THE COUNTY RECORDER OF MARICOPA COUNTY, ARIZONA, RECORDED IN BOOK 466 OF MAPS, PAGE 34

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF DEVELOPMENT OF A VACANT LOT, FOR A NEW 10,644 S.F. INDUSTRIAL BUILDING. BUILDING TO BE USED FOR LIGHT-MANUFACTURING/WAREHOUSE SPACE. NEW BUILDING TO INCLUDE OFFICE SPACE, RESTROOMS, AND WAREHOUSE. SITE IMPROVEMENTS INCLUDE NEW LANDSCAPE/ RETENTION, NEW ASPHALT PARKING LOT W/ ACCESS GATES, NEW SIDEWALKS AND TRASH ENCLOSURES.

DRAINAGE STATEMENT

THE SUBJECT SITE DOES LIES WITHIN ZONE AH, A SPECIAL FLOOD HAZARD AREA SUBJECT TO INUNDATION BY THE 1% CHANCE ANNUAL FLOOD. ZONE AH IS DESCRIBED AS FLOOD DEPTHS OF 1 TO 3 FEET (USUALLY AREAS OF PONDING); BASE FLOOD ELEVATIONS DETERMINED. THE BASE FLOOD ELEVATION IN THIS

OFFSITE FLOWS DO NOT AFFECT THE SUBJECT SITE **RETENTION PROVIDED IS FOR 100YR - 2HR STORM EVENT** EXTREME STORM OUTFALLS THE SITE AT THE NORTHEAST AT THE ELEVATION

TOTAL CONTRIBUTING AREA A (INCLUDES HALF STREET)= 44,453 SF RUNOFF COEFFICIENT C = 0.95 (PAVEMENT/ROOF) 100 YR, 2 HR PRECIPITATION P = 2.16 INCHES TOTAL VOLUME REQUIRED = C X P X A

0.95 X (2.2/12) X 44,453 = 7,742 CF

ONSITE RETENTION WILL BE PROVIDED VIA UNDERGROUND RETENTION IN 10' DIA CMP WHICH PROVIDES 78.5 CF OF STORAGE PER LINEAL FOOT OF

VOLUME PROVIDED = 7,742 CF/78.5 CF/LF = 99 LF OF 10' DIA CMP

BENCHMARK

CITY OF MESA BENCHMARK: BRASS TAG AT INTERSECTION OF GREENFIELD DRIVE AND MCDOWELL ROAD. 2020/2021 COM SMARTNET NAVD88 ELEVATION: 1364.79



QUANTITIES IN ROW/EASEMENTS

PAVING NOTES		
(1A) 3.5"AC/5"ABC PAVEMENT PER PAVEMENT SECTION A, SEE SHEET GP02	37	SY
2A) 6 INCH SINGLE CURB PER MAG STD DTL 222 TYPE A	12	LF
2B 6 INCH V.C.&G. PER MAG STD DTL 220 TYPE A	13	LF
7 8' HIGH MASONRY WALL, SEE ARCHITECTURAL PLANS	20	LF
10 SIDEWALK PER MAG STD DTL 230, WIDTH PER PLAN	15	SF
13) DRIVEWAY PER COM STD DTL M-42	1	EA
WATER NOTES		
1 INSTALL 6" DIP CLASS 350 WATERLINE, POLYETHYLENE WRAP, PER	464	LF
COM STD DTL M-19.04.1		
2 INSTALL 8"X6" TAPPING SLEEVE AND VALVE, BOX AND COVER PER	2	EA
MAG STD DTL 340 WITH THRUST BLOCK PER MAG STD DTL		
380 AND VALVE BLOCK PER MAG STD DTL 301		
3 INSTALL 1.5" TYPE "K" COOPER PIPE, BOX AND METER PER COM	3	LF
STD DTLS M-49.01, M-49.02 & M-49.03		
6 INSTALL 6" GATE VALVE W/ B&C PER MAG STD DTL 301 & 391-1	2	EA
TYPE C		
9 WATERLINE FITTINGS WITH RESTRAINED JOINTS PER	4	EA
MAG STD DTL 303-1 & 303-2 AND THRUST BLOCKS PER		
MAG STD DTL 380		
SEWER NOTES		
1 6" PVC SDR-35 SEWER LINE PER COM STD DTL M-19.04.1	12	LF
2 CONNECT TO EXISTING SEWER MAIN PER MAG STD DTL 440-1	1	EA
REMOVAL NOTES		
1 SAWCUT, REMOVE, AND REPLACE (WHERE APPLICABLE) EXISTING	12	SY
PAVEMENT. BACKFILLING & PAVEMENT REPLACMENT PER		
C.O.M. STD DTL M-19.01 AND M-19.04.1		
2 SAWCUT, REMOVE, AND REPLACE (WHERE APPLICABLE) EXISTING	216	SF
SIDEWALK IN KIND TO THE NEAREST JOINT		
3 SAWCUT, REMOVE, AND REPLACE (WHERE APPLICABLE) EXISTING	54	LF
VC&G IN KIND		
4 ABANDON EXISTING SEWER SERVICE IN PLACE PER COM ENGINEERING	1	EA
& DESIGN STANDARDS SECTION 434		

I FGEND

PROPERTY LINE

EASEMENT FLOW LINE

SLOPE

MONUMENT LINE

BUILDING SETBACK

FLOW DIRECTION

GRADE BREAK

SAWCUT

CONCRETE

BRASS CAP

GRADE CHANGE

PAVEMENT SECTION A

NEW/EX LIGHT POLE

NEW/EX POWER POLE

PROPERTY CORNER NOTHING FOUND

FIRE HYDRANT

WATER VALVE

NEW/EX SEWER MANHOLE

FOUND PROPERTY CORNER

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B/C	BACK OF CURB
ROW	RIGHT-OF-WAY
SW	SIDEWALK
С	CONCRETE
FG	FINISHED GRADE
TC	TOP OF CURB
Р	PAVEMENT
BW	BOTTOM OF WALL
FF	FINISH FLOOR
BCHH	BRASS CAP IN HANDHOLE
SSMH	SANITARY SEWER MANHOLE
INV	INVERT
HW	HIGH WATER
VP	VOLUME PROVIDED
EX	EXISTING
XG	EXISTING GRADE
TW	TOP OF WALL
TF	TOP OF FOOTING



WWR:XX-XXXXXX

ARCHITECT/DESIGNER SYNECTIC DESIGN, INC

1111 W UNIVERSITY DRIVE, SUITE 104 TEMPE, AZ 85281 CONTACT: LANCE BAKER PHONE: (480) 948-9766 EMAIL: LBAKER@SDIAZ.US

PROPERTY AREA

GROSS SITE AREA: 40,026 SQUARE FEET GROSS SITE AREA: .92 ACRES NET SITE AREA: .92 ACRES

SITE DATA

TOTAL LOT AREA EXISTING STRUCTURES:

PROPOSED STRUCTURE:

0 S.F.

EXISITNG LOT COVERAGE: 0% ALLOWABLE LOT COVERAGE: 90% PROPOSED LOT COVERAGE: 27%

ZONING: L1

SETBACKS REAR = 0'SIDES = 0'FRONT = 20'

AS-BUILT CERTIFICATION

I HEREBY CERTIFY THAT THE "RECORD DRAWING" MEASUREMENTS AS SHOWN HEREON WERE MADE UNDER MY SUPERVISION OR AS NOTED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED ENGINEER/LAND SURVEY

REGISTRATION NUMBE

SHEET INDEX

DESCRIPTION	SHEET NO	
COVER SHEET	CS01	1
DETAILS & CROSS SECTIONS	DT01	2
GRADING & DRAINAGE PLAN	GP01	3
GRADING & DRAINAGE PLAN	GP02	4
UTILITY PLAN	UP01	5

MCESD APPROVAL

APPROVED FOR:

MARICOPA COUNTY ENVIRONMENT SERVICES DEPARTMENT









LEGEND NOT ALL SYMBOLS MAY BE USED

B/C

ROW SW

TW TF

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MONUMENT LINE
BUILDING SETBACK
EASEMENT
FLOW LINE
SLOPE
FLOW DIRECTION
GRADE BREAK
GRADE CHANGE
SAWCUT
PAVEMENT SECTION A
CONCRETE
NEW/EX LIGHT POLE
NEW/EX SEWER MANHOLE
NEW/EX POWER POLE
BRASS CAP
FOUND PROPERTY CORNER PROPERTY CORNER NOTHING FOUND FIRE HYDRANT
WATER VALVE

PROPERTY LINE

BACK OF CURB
RIGHT-OF-WAY
SIDEWALK
CONCRETE
FINISHED GRADE
TOP OF CURB
PAVEMENT
BOTTOM OF WALL
FINISH FLOOR
BRASS CAP IN HANDHOLE
SANITARY SEWER MANHOLE
INVERT
HIGH WATER
VOLUME PROVIDED
EXISTING
EXISTING GRADE
TOP OF WALL

TOP OF FOOTING

CONSTRUCTION NOTES

$\left(\right)$	PAVING NOTES		
(1A)	3.5"AC/5"ABC PAVEMENT PER PAVEMENT SECTION A, SEE SHEET GP02	1410	SY
(1B)	2.5"AC/5"ABC PAVEMENT PER PAVEMENT SECTION B, SEE SHEET GP02	291	SY
(2A)	6 INCH SINGLE CURB PER MAG STD DTL 222 TYPE A	388	LF
(2B)	6 INCH V.C.&G. PER MAG STD DTL 220 TYPE A	325	LF
(3)	ADA PARKING SIGN PER COM STD DTL M-23.06 & M-25	1	EA
(4)	VAN ACCESSIBLE ADA STALL MARKINGS PER COM STD DTL M-23.06	1	EA
(6)	PRECAST SAFETY CURB PER MAG STD DTL 150 TYPE B-3	3	EA
(7)	8' HIGH MASONRY WALL, SEE ARCHITECTURAL PLANS	77	LF
(8)	4 INCH WIDE WHITE CROSSWALK STRIPE		
(9B)	5' CURB OPENING PER DETAIL ON SHEET DT01	1	EA
(10)	SIDEWALK PER MAG STD DTL 230, WIDTH PER PLAN	1454	SF
(11)	SIDEWALK RAMP PER DETAIL ON SHEET DT01	2	EA
(13)	DRIVEWAY PER COM STD DTL M-42	1	EA
(15)	BIN ENCLOSURE PER COM STD DTL M-62.02.1 & M-62.02.2.	2	EA
(16)	ACCESS GATE, SEE ARCHITECTURAL PLANS	2	EA
(17)	BIKE RACK, SEE ARCHITECTURAL PLANS	1	EA
(P)	PROTECT IN PLACE		
$\langle \rangle$	STORM DRAIN NOTES		
(1A)	12-INCH CORRUGATED HDPE STORM DRAIN PIPE, ADS OR EQUAL	224	LF
(1B)	6-INCH PVC SCH 40 STORM DRAIN PIPE. TRENCHING & BACKFILL	44	LF
	PER RWCD DETAIL 36 TYPE 'A', SEE SHEET DT01		
$\left\langle 2 \right\rangle$	INSTALL CATCH BASIN TYPE 'F' W/GRATE PER MAG STD. DTL. 535	3	EA
$\left\langle 3 \right\rangle$	10' DIA CMP UNDERGROUND STORAGE PER DETAIL ON SHEET GP02	99	LF
$\left\langle 4 \right\rangle$	INSTALL ACCESS MANHOLE INLET/ACCESS MANHOLE PER UNDERGROUND	2	EA
	RETENTION DETAIL ON SHEET GP02		
$\left\langle 5 \right\rangle$	CONNECT TO EXISTING 12" STORM DRAIN LINE. CONTRACTOR TO	1	EA
	FIELD VERIFY EXISTING LOCATION AND ELEVATION OF PIPE. IF		
	CONNECTION ELEVATION IS NOT FEASIBLE, CONTRACTOR TO CONTACT		
	ENGINEER		
$\langle \rangle$	REMOVAL NOTES		
	SAWCUT, REMOVE, AND REPLACE (WHERE APPLICABLE) EXISTING	12	SY
	PAVEMENT. BACKFILLING & PAVEMENT REPLACMENT PER		
	COM STD DTL M-19.01 AND M-19.04.1		
2>	SAWCUT, REMOVE, AND REPLACE (WHERE APPLICABLE) EXISTING	216	SF
	SIDEWALK IN KIND TO THE NEAREST JOINT		
$\langle 3 \rangle$	SAWCUT, REMOVE, AND REPLACE (WHERE APPLICABLE) EXISTING	54	LF
	VC&G IN KIND		





LEGEND NOT ALL SYMBOLS MAY BE USED

B/C



PROPERTY LINE	B/C
MONUMENT LINE	ROW
BUILDING SETBACK	SW
EASEMENT	С
FLOW LINE	FG
SLOPE	тс
FLOW DIRECTION	Р
GRADE BREAK	BW
GRADE CHANGE	FF
SAWCUT	BCHH
PAVEMENT SECTION A	SSMH
CONCRETE	INV
NEW/EX LIGHT POLE	HW
NEW/EX SEWER MANHOLE	VP
NEW/EX POWER POLE	EX
BRASS CAP	XG
FOUND PROPERTY CORNER	TW
PROPERTY CORNER NOTHING FOUND	TF
FIRE HYDRANT	
WATER VALVE	

BACK OF CURB
RIGHT-OF-WAY
SIDEWALK
CONCRETE
FINISHED GRADE
TOP OF CURB
PAVEMENT
BOTTOM OF WALL
FINISH FLOOR
BRASS CAP IN HANDHOLE
SANITARY SEWER MANHOLE
INVERT
HIGH WATER
VOLUME PROVIDED
EXISTING
EXISTING GRADE
TOP OF WALL

TOP OF FOOTING

CONSTRUCTION NOTES

()	PAVING NOTES		
(P)	PROTECT IN PLACE		
\bigcirc	WATER NOTES		
$\langle 1 \rangle$	INSTALL 6" DIP CLASS 350 WATERLINE, POLYETHYLENE WRAP, PER	464	LF
	COM STD DTL M-19.04.1		
$\langle 2 \rangle$	INSTALL 8"X6" TAPPING SLEEVE AND VALVE, BOX AND COVER PER	2	EA
	MAG STD DTL 340 WITH THRUST BLOCK PER MAG STD DTL		
	380 AND VALVE BLOCK PER MAG STD DTL 301		
$\langle 3 \rangle$	INSTALL 1.5" TYPE "K" COOPER PIPE, BOX AND METER PER COM	10	LF
	STD DTLS M-49.01, M-49.02 & M-49.03		
$\langle 4 \rangle$	1.5" DOUBLE CHECK VALVE BACKFLOW ASSEMBLY PER COM	1	EA
	STD DTL M-31.04		
$\langle 5 \rangle$	INSTALL 6" DIP CLASS 350 FIRE LINE, POLYEHTYLENE WRAP, PER	27	LF
	COM STD DTL 31.07		
6	INSTALL 6" GATE VALVE W/ B&C PER MAG STD DTL 301 & 391-1	2	EA
	TYPE C		
$\langle 7 \rangle$	INSTALL 6" DOUBLE CHECK VALVE BACKFLOW ASSEMBLY PER COM	1	EA
	STD DTL M-31.02		
$\langle 9 \rangle$	WATERLINE FITTINGS WITH RESTRAINED JOINTS PER	6	EA
	MAG STD DTL 303-1 & 303-2 AND THRUST BLOCKS PER		
	MAG STD DTL 380		
$\langle 10 \rangle$	UTILITY CROSSING PER MAG STD DTL 404-1, 404-2 & 404-3.	1	EA
	FIELD VERIFY		
$\langle 11 \rangle$	INSTALL FIRE DEPARTMENT CONNECTION	1	EA
$\langle 12 \rangle$	CONNECT TO BUILDING. SEE PLUMBING PLANS FOR CONTINUATION	1	EA
$\langle 13 \rangle$	CONNECT TO BUILDING FIRE RISER. SEE SPRINKLER PLANS	1	EA
	FOR CONTINUATION		
	SEWER NOTES		
1	6" PVC SDR-35 SEWER LINE PER COM STD DTL M-19.04.1	19	LF
2	CONNECT TO EXISTING SEWER MAIN PER MAG STD DTL 440-1	1	EA
3	INSTALL 2-WAY SEWER CLEANOUT PER MAG STD DTL 440-2	1	EA
	AND CONNECT TO BUILDING PER M.A.G STD DTL 440-1. SEE		
	PLUMBING PLANS FOR CONTINUATION		
\bigcirc	REMOVAL NOTES		
$\langle 4 \rangle$	ABANDON EXISTING SEWER SERVICE IN PLACE PER COM ENGINEERING	1	EA
	& DESIGN STANDARDS SECTION 434		



INC