COPPER CHASE AT STERLING RANCH COUNTY OF EL PASO, STATE OF COLORADO UTILITIES PLAN - INCLUDING UTILITY SERVICE PLAN

GENERAL NOTES

- 1. ALL UTILITY CONSTRUCTION TO BE CONDUCTED IN CONFORMANCE WITH THE CURRENT STERLING RANCH METROPOLITAN DISTRICT (SRMD, THE DISTRICT) SPECIFICATIONS.
- 2. ALL PLANS ON THE JOB SITE SHALL BE SIGNED BY THE DISTRICT AND THE DISTRICT'S ENGINEER. ANY REVISION TO THE PLANS SHALL BE SO NOTED WITH THE
- OLD DRAWING MARKED NOT VALID. 3. ALL STATIONING IS CENTERLINE UNLESS OTHERWISE NOTED. ALL ELEVATIONS ARE CENTERLINE UNLESS OTHERWISE NOTED.
- 4. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE DISTRICT. THE DISTRICT RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH
- MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO ITS STANDARDS AND SPECIFICATIONS. 5. ALL WATER AND SEWER SERVICE LOCATIONS SHALL BE CLEARLY MARKED ON EITHER THE CURB HEAD OR THE FACE OF THE CURB, WITH AN "S" FOR SEWER AND A
- "W" FOR WATER.
- 6. DUCTILE IRON PIPES, INCLUDING FITTINGS, VALVES AND FIRE HYDRANTS, SHALL BE WRAPPED WITH POLYETHYLENE TUBING, DOUBLE BONDED AT EACH JOINT AND ELECTRICALLY ISOLATED. BONDING AND ANODE CONNECTIONS SHALL BE THOROUGHLY COATED WITH BITUMINUOUS COATINGS.
- 7. ALL DUCTILE IRON PIPE LESS THAN 12 INCHES AND FITTINGS SHALL HAVE CATHODIC PROTECTION USING TWO NO. 6 WIRES WITH 17 LB MAGNESIUM ANODES EVERY 400 FEET AND 9 LB MAGNESIUM ANODES AT EACH FITTING. ALL DUCTILE IRON PIPE 12 INCHES AND GREATER AND FITTINGS SHALL HAVE CATHODIC PROTECTION USING TWO NO. 6 WIRES WITH 17 LB MAGNESIUM ANODES EVERY 300 FEET AND 9 LB MAGNESIUM ANODES AT EACH FITTING.
- 8. ALL PIPE MATERIAL, BACKFILL AND INSTALLATION SHALL CONFORM TO THE APPLICABLE SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS, COLORADO DEPARTMENT OF TRANSPORTATION. EL PASO COUNTY DEPARTMENT OF TRANSPORTATION. COLORADO SPRINGS UTILITIES AND THE GEOTECHNICAL ENGINEER.
- 9. COMPACTION TESTS SHALL BE 95% STANDARD PROCTOR AS DETERMINED BY ASTM D698, UNLESS OTHERWISE APPROVED BY THE DISTRICT OR HIGHER STANDARD AS IMPOSED BY ANOTHER AGENCIES HAVING RIGHT-OF-WAY JURISDICTION. THIS SHALL INCLUDE ALL VALVES, FIRE HYDRANT RUNS, WATER & SEWER SERVICE LINES AND MANHOLES. ALL REPORTS SHALL BE SUBMITTED TO THE DISTRICT FOR REVIEW AND APPROVAL.
- 10. THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY. THE LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES. THE DISTRICT SHALL BE NOTIFIED OF ANY DEVIATIONS TO THE LINE AND/OR GRADE AS DEPICTED ON THE PLANS. CONTRACTOR SHALL SUBMIT TO THE DISTRICT AND THE ENGINEER OF RECORD A REPORT OF THE FIELD VERIFIED INFORMATION PRIOR TO THE START OF CONSTRUCTION.
- 11. ALL BENDS SHALL BE FIELD STAKED PRIOR TO THE START OF CONSTRUCTION.
- 12. BENDS, DEFLECTION & CUT PIPE LENGTHS SHALL BE USED TO HOLD HORIZONTAL ALIGNMENT OF SEWER AND WATER LINES TO NO MORE THAN 0.5' FROM THE DESIGNED ALIGNMENT. CONSTRUCTION STAKES TO BE AT 25' INTERVALS ALONG CURVES TO ASSURE LOCATION OF PIPE LINE CONSTRUCTION.
- 13. AT ALL LOCATIONS WHERE CAP AND STUB IS NOTED ON DRAWINGS, PROVIDE A PLUG AT THE END OF THE PIPE JOINT NEAREST THE SPECIFIED STATION. PROVIDE A REVERSE ANCHOR AT ALL WATER LINE PLUGS.
- 14. ALL UNUSED SALVAGED WATER UTILITY MATERIAL SHALL BE RETURNED TO THE METROPOLITAN DISTRICT AS REQUESTED.
- 15. AT THE CONTRACTOR'S EXPENSE, ALL UTILITY MAINS SHALL BE SUPPORTED AND PROTECTED SUCH THAT THEY SHALL FUNCTION CONTINUOUSLY DURING CONSTRUCTION OPERATIONS. SHOULD A UTILITY MAIN FAIL AS A RESULT OF THE CONTRACTOR'S OPERATION, IT SHALL BE REPLACED IMMEDIATELY BY THE CONTRACTOR OR BY THE DISTRICT AT FULL COST OF LABOR AND MATERIALS TO THE CONTRACTOR/DEVELOPER.
- 16. PUMPING OR BYPASS OPERATIONS SHALL BE REVIEWED AND APPROVED BY BOTH THE DISTRICT AND THE DISTRICT ENGINEER PRIOR TO EXECUTION.
- 17. THE CONTRACTOR SHALL REPLACE OR REPAIR DAMAGE TO ALL SURFACE IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO FENCES, LANDSCAPING, CURB AND GUTTER AND/OR ASPHALT THAT MAY BE CAUSED DURING CONSTRUCTION.
- 18. ALL CONTRACTORS WORKING ON OR NEAR A WATER OR SEWER FACILITY (TO INCLUDE SERVICE LINE) SHALL HAVE LIABILITY INSURANCE NAMING THE DISTRICT AS AN ADDITIONAL INSURED AND SHALL PROVIDE A CURRENT COPY OF WORKERS COMPENSATION INSURANCE ON FILE WITH THE DISTRICT. NO WORK CAN PROCEED WITHOUT CURRENT CERTIFICATES ON FILE AT THE DISTRICTS' OFFICE.
- 19. THE CONTRACTOR SHALL NOTIFY THE DISTRICT AND ALL AFFECTED UTILITY COMPANIES ADJACENT TO THE PROPOSED UTILITY CONSTRUCTION A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF CONSTRUCTION. A WEEKLY CONSTRUCTION MEETING SHALL BE REQUIRED WITH THE CONTRACTOR, DISTRICT ENGINEER AND ALL OTHER PARTIES AS DEEMED NECESSARY BY THE DISTRICT.
- 20. COMMENCEMENT OF CONSTRUCTION OF WATER/SEWER SYSTEMS WITHIN THE METROPOLITAN DISTRICT:
- a. PRIOR TO THE START OF CONSTRUCTION, A <u>PRE-CONSTRUCTION MEETING IS REQUIRED</u> A MINIMUM OF 48 HOURS IN ADVANCE OF COMMENCEMENT OF WORK. A REPRESENTATIVE OF THE OWNER OR DEVELOPER, A REPRESENTATIVE OF THE CONTRACTOR AND DESIGN ENGINEER ARE REQUIRED TO ATTEND. CONTACT THE DISTRICT TO SCHEDULE THE PRE-CONSTRUCTION MEETING. <u>NO PRE-CONSTRUCTION MEETING CAN BE SCHEDULED PRIOR TO FOUR (4) SIGNED/ APPROVED PLAN SETS ARE RECEIVED BY THE DISTRICT.</u>
- b. THE CONTRACTOR IS REQUIRED TO NOTIFY THE DISTRICT A MINIMUM OF 48 HOURS AND A MAXIMUM OF 2 WEEKS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL ALSO NOTIFY AFFECTED UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION ADJACENT TO THE KNOWN UTILITY LINES.

21. TESTING OF FACILITIES:

- a. THE CONTRACTOR SHALL NOTIFY THE DISTRICT A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF ANY TESTING.
- b. ALL SECTIONS OF WATER LINE ARE TO MEET THE FOLLOWING PRESSURE TESTING REQUIREMENTS:
- TEST 100% OF ALL LINES
 MUST PASS PRESSURE TEST TO 200 PSI FOR TWO HOURS (UNLESS OTHERWISE APPROVED ON THE PLANS).
- C. ALL SANITARY SEWER FACILITIES ARE TO MEET THE FOLLOWING TESTING REQUIREMENTS • ALL LINES SHALL BE JET CLEANED PRIOR TO VACUUM OR PRESSURE TESTING
- ALL MANHOLES SHALL BE VACUUM TESTED WITH DISTRICT STAFF PRESENT PRIOR TO CCTV INSPECTION.
 SEWER MAINS TO BE PRESSURE TEST PRIOR TO CCTV INSPECTION
- ALL LINES SHALL BE CCTV INSPECTED AND VIDEO SHALL TO BE SUBMITTED TO THE DISTRICT FOR REVIEW

BENCHMARKS

- 1. THE TOP OF AN ALUMINUM SURVEYORS CAP, STAMPED "9853", AT THE SOUTHEAST BOUNDARY CORNER OF BARBARICK SUBDIVISION NORTHING = 411416.273 EASTING = 235167.071
- ELEVATION = 7023.42

AND APPROVAL.

- 2. THE TOP OF A RED PLASTIC SURVEYORS CAP, ILLEGIBLE, AT THE NORTHWEST BOUNDARY CORNER OF PAWNEE RANCHEROS SUBDIVISION NORTHING = 410095.404 EASTING = 235052.131
- ELEVATION = 7000.40
- 3. THE TOP OF A RED PLASTIC SURVEYORS CAP, STAMPED "38141", AT THE SOUTHWEST BOUNDARY CORNER OF BARBARICK SUBDISION NORTHING = 411399.962 EASTING = 233849.817 ELEVATION = 7030.82



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PROP COPPER CHASE AT STERLING RANCH

SITE MAP

BLACK FOREST FIRE RESCUE PROTECTION DISTRICT

DISTRICT APPROVALS

THE STERLING RANCH METROPOLITAN DISTRICT RECOGNIZES THE DESIGN ENGINEER AS HAVING RESPONSIBILITY FOR THE DESIGN AND HAS LIMITED ITS SCOPE OF REVIEW ACCORDINGLY.

STERLING RANCH METROPOLITAN DISTRICT WATER DESIGN APPROVAL JOSH PALMER, P.E. PROJECT NO. COUNTY ENGINEER / ECM ADMINISTRATOR IN CASE OF ERRORS OR OMISSIONS WITH THE WATER DESIGN AS SHOWN ON THIS DOCUMENT THE STANDARDS AS DEFINED IN THE "RULES AND REGULATIONS FOR WATER & SEWER MAIN EXTEN INSTALLATION OF WATER MAINS AND SERVICES" SHALL RULE. 10.0' PU & DE ANY CHANGES OR ALTERATIONS AFFECTIN OR OTHER APPURTENANCE SHOWN ON TH SHALL BE RESPONSIBLE FOR ALL OPERATI APPROVAL EXPIRES 180 DAYS FROM DESIGN APPROVAL. DATE OF APPROVAL UNTIL FINAL ACCEPTAN FIRE AUTHORITY APPROVAL 5' SIDEWALK SIGNED ____ BOTH SIDES THE NUMBER OF FIRE HYDRANTS AND HYDRANT LOCATIONS SHOWN ON THIS WATER INSTALLATION PLAN ARE CORRECT AND ADEQUATE TO OWNER/DEVELOPER SATISFY THE FIRE PROTECTION REQUIREMENTS AS SPECIFIED BY THE FIRE DISTRICT SERVIING THE PROPERTY NOTED ON THE PLANS. PRINT NAME: JIM BYERS DBA: CHALLENGER COLORADO, LLC BLACK FOREST FIRE RESCUE PROTECTION DISTRICT ADDRESS: 8605 EXPLORER DRIVE, SUITE SIGNED

DESIGN ENGINEER'S STATE

KNOWLEDGE AND BELIEF. SAID PLAN HAS SYSTEM PLANS. I ACCEPT RESPONSIBILITY IN PREPARING THESE PLANS.



VIRGIL A. SANCHEZ, COLORADO P.E. NO. 3 FOR AND ON BEHALF OF M&S CIVIL CONS

OWNER/DEVELOPER'S STATEME



JIM BYERS, CHALLENGER HOMES VP COMM 8605 EXPLORER DRIVE, COLORADO SPRINO

EL PASO COUNTY: COUNTY PLAN REVIEW IS PROVIDED ONLY AND ADEQUACY OF THE DESIGN, DIMENSIO THIS DOCUMENT ASSUMES NO RESPONSIBI

FILED IN ACCORDANCE WITH THE REQUIRED ENGINEERING CRITERIA MANUAL AS AMENDI IN ACCORDANCE WITH ECM SECTION 1.12, SIGNED BY THE EL PASO COUNTY ENGINED APPROVAL, INCLUDING PAYMENT OF REVIEW

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AGENCIES						3/05/	OF
OWNER:	CHALLENGER HOMES 8605 EXPLORER DRIVE, SUITE 250 COLORADO SPRINGS, CO 80920 JIM BYERS (719) 602-5192				LANS	TE: 08	HEET 1
CIVIL ENGINEER:	M & S CIVIL CONSULTANTS, INC. 212 N WAHSATCH AVENUE, SUITE 30 COLORADO SPRINGS, CO 80903 VIRGIL A. SANCHEZ P.E. (719) 955-	-5485		A	Ц Д	DA	
COUNTY ENGINEERING:	EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT 2880 INTERNATIONAL CIRCLE, SUITE COLORADO SPRINGS, CO 80910 GILBERT LAFORCE (719)-520-7945	110		UHADE	UTILI ⁻	SCALE:	1"=50 1"=50 VERTICAL 1"=5
TRAFFIC ENGINEERING:	EL PASO COUNTY PUBLIC SERVICES 3275 AKERS DRIVE COLORADO SPRINGS, CO 80922 JOSH PALMER, P.E. (719) 520-646	& TRANS. DEPT.				9014	CVW TAU VAS
WATER RESOURCES:	STERLING RANCH METRO DISTRICT EI JDS-HYDRO CONSULTANTS 545 E. PIKES PEAK AVE., SUITE 300 COLORADO SPRINGS, CO 80903 JOHN MCGINN (719) 668-8769	NGINEERS		1700		OJECT NO. 0	SIGNED BY: AWN BY: ECKED BY:
GAS DEPARTMENT:	COLORADO SPRINGS UTILITIES 7710 DURANT DR. COLORADO SPRINGS, CO 80947 TIM WENDT (719) 668–3556		_	05	903	PR	DE DR
ELECTRIC DEPARTMENT:	MOUNTAIN VIEW ELECTRIC 11140 E. WOODMEN ROAD FALCON, CO 80831 (110) 405 2383			AVE., STE 3	GS, CO 80 85		
COMMUNICATIONS:	QWEST COMMUNICATIONS (U.N.C.C. LOCATORS) (800) 922–194 AT&T (LOCATORS) (719) 635–3674	87		NAHSATCH	ADO SPRIN 719.955.54		
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PARED UNDER MY DIRECTION AND SUPERVIS BEEN PREPARED ACCORDING TO THE CRITE FOR ANY LIABILITY CAUSED BY THE NEGLIC	ION AND IS CORRECT TO THE BEST (RIA ESTABLISHED BY THE COUNTY FO SENT ACTS, ERRORS OR OMISSIONS O	DF MY DR UTILITY N MY PART				M	NC.
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FOR GENERAL CONFORMANCE WITH COUNT DNS, AND/OR ELEVATIONS WHICH SHALL BE BILITY FOR COMPLETENESS AND/OR ACCURA IMENTS OF THE EL PASO COUNTY LAND DE	Y DESIGN CRITERIA. THE COUNTY IS N CONFIRMED AT THE JOB SITE. THE CY OF THIS DOCUMENT.	NOT RESPONSIBLE FOR THE ACCURACY COUNTY THROUGH THE APPROVAL OF	SANCHEZ,	1111111111		37	PORTUNATION OF
ED.	BE VALID FOR CONSTRUCTION FOR A	PERIOD OF 2 YEARS FROM THE DATE	GIL A.			(insur	IIIII
ER. IF CONSTRUCTION HAS NOT STARTED W FEES AT THE PLANNING AND COMMUNITY	WITHIN THOSE 2 YEARS, THE PLANS DEVELOPMENT DIRECTORS DISCRETIO	WILL NEED TO BE RESUBMITTED FOR N.	VIR				
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RE NO.	VISIONS:		3Y: DESCRIPTION:	APRV'D. BY: DATE:	VIRGIL A. SANCHEZ, COLORADO P.E. NO. 37160 FOR AND REGULATION FOR AND BEHALF (M&S CIVICATION FOR AND FOR AND BEHALF (M&S CIVICATION FOR AND FOR AND FOR AND BEHALF (M&S CIVICATION FOR AND	O ON IL ANTS,	212 N. WAHSATCH AVE., STE 305 COLORADO SPRINGS, CO 80903 PHONE: 719.955.5485	COPPER SAI	CHASE AT STELRING RA NITARY SEWER PLANS SCALE: DATE: 08/05/2023	NCH
CAUTION	THE ENG UNAUTHC MUST BE	NGINEER HORIZED BE IN WF	REPARING THESE PLANS WILL NOT BE RE D CHANGES TO OR USES OF THESE PLANS. WRITING AND MUST BE APPROVED BY THE P	SPONSIBLE, OR LIABLE FOR, ALL CHANGES TO THE PLANS REPARER OF THESE PLANS.	INU. 08-10-23	CIVIL CONSULTANTS, INC.		DESIGNED BY: CVW DRAWN BY: CVW CHECKED BY: VAS	HORIZONTAL: 1"=50' VERTICAL: SHEET 3 OF 9 1"=5'	SS03

Line #	Length	Direction
L6	203.23	N40°10'49.19"E

SANITARY CURVE TABLE					
Curve #	Length	Radius	Delta		
C2	274.89	175.00	90.00		
С3	98.17	125.00	45.00		



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STA 1+00.00 TO STA 5+63.23



SALT FORK DRIVE SANITARY STA 1+00.00 TO STA 5+63.23

PAR	CEL LI	NE TABLE
Line #	Length	Direction
L12	183.85	N40°10'49.19"E
L13	279.37	N40°10'49.19"E
L14	177.61	N40°10'49.19"E
L15	285.61	N40°10'49.19"E

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		7010
		7000
	MH ()= 7000.45	6990
5+00	STA 5+63.23 SSMH-17, 4' DIA RIM = 7011.56 INV OUT (8") (SW CUT=11.1'	6980





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WA	TER CL	LINE TABLE
LINE	LENGTH	DIRECTION
L1	41.37	S84° 45' 52.15"W
L2	65.20	N42°44'53.31"W
L3	59.06	N42°44′53.31"W
L4	161.56	N49° 49' 03.22"W
L5	127.50	N49° 49' 10.26"W
L6	76.96	N49° 49° 12.18 W
18	156.12	N49°49'10.81'W
L9	79.95	S85° 13' 22.43"W
L10	44.10	S73°26'56.78"W
L11	43.08	S51°02′19.13"W
L12	161.61	S40°10'49.19"W
L13	41.61	S40°10'49.19"W
L14	63.13	S28°48'06.52"W
L15	62.36	S7° 21' 34.28"W
L16	64.83	S15° 15′ 42.96″E
L17	66.03	S38° 13° 43.75° E
LIX	20.31	549 49 10.81°E
120	255.00	549°49'10.81"F
LZU	200.00	343 43 10.01 L
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	113.97	DIRECTION \$49° 49' 10 62"E
121	191.97	S49° 49' 10 92"F
L23	41.51	S61° 14' 07.47"E
L24	46.68	S83° 27' 39.97"E
L25	43.54	N73° 47' 14.03"E
L26	44.52	N51° 35' 06.76"E
L27	17.41	N40°21'31.02"E
L28	97.65	N38°29′54.10"E
L29	43.42	N15° 53' 15.90"E
L30	44.02	N6° 09' 31.83"W
L31	119.09	N17° 15' 30.71"W
L32	27.51	N4 56 21.27 W
1.34	18 79	N9 38 38.28 E
L35	12.85	N35° 50' 15.25"E
L36	27.84	N35° 50' 15.25"E
L37	25.67	N47° 15' 06.71"E
L38	205.94	N40° 10' 49.04"E
L39	297.28	N40° 10' 49.19"E
L40	205.94	N40°10'49.19"E
WA	IER CL	LINE TABLE
LINE	LENGTH	DIRECTION
L41	297.28	N40° 10' 49.18"E
L42	114.36	N40° 10′ 49.87″E
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	<u>ب</u> ۲۲	
	1" =	50

Scale in Feet





BLUE FEATHER LOOP WATER DEFLECTION A STA 16+39.51

BLUE FEATHER LOOP WATER HALF DEFLECTION B STA 18+89.10





 WATER SERVICE TO BE 10' FROM "DOWNSTREAM" PROPERTY LINE AND EXTENDED TO SRMD UTILITY EASEMENT LINE.
 SEWER SERVICE TO BE PLACED APPROXIMATELY IN THE MIDDLE OF THE LOT AND EXTENDED TO SRMD UTILITY EASEMENT LINE.

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3.SERVICE SHALL BE MARKED WITH 2"x4" POST AT TERMINATION POINT FOR LOCATION DURING CONNECTION TO RESIDENCE. POSTS SHALL BE SPRAY—PAINTED BLUE FOR WATER AND GREEN FOR SEWER.



UTILITY SERVICE LOCATIONS

NTS





Contract Association

12" 12" 12"







DOUPLING, HAPTER 6 FUSE HDPE TO COUPLING, FUSE HDPE TO COUPLING FLOW	COPPER CHASE AT STERLING RANCH	PROJECT NO. 09014 SCALE: DATE: 08/05/2023 DESIGNED BY: CVW N/A DRAWN BY: TAU VERTICAL: DATE: 08/05/2023 HORIZONTAL: N/A VA CHECKED BY: VAS N/A VERTICAL: DATE: 0 0F 9 0F 9 0T 02
PVC SADDLE PVC/DIP/VCP WASTEWATER MAIN		COLORADO SPRINGS, CO 80903 PHONE: 719.955.5485
HDPE SERVICE LINE CONNECTION D1-9 TO PVC/DIP/VCP WASTEWATER MAIN DATED 5/2015		CIVIL CONSULTANTS, INC.
ALLOWABLE DEFLECTION ISSUE ISSUE <thissue< th=""> ISSUE ISSUE<td>VIRGIL A. SANCHEZ, COLORADO P.E. NO. 37160</td><td>FOR AND ON BEHALF OF M&SC CIVIL M&SC CONSULTANTS, INC.</td></thissue<>	VIRGIL A. SANCHEZ, COLORADO P.E. NO. 37160	FOR AND ON BEHALF OF M&SC CIVIL M&SC CONSULTANTS, INC.
JSES A 1.25 SAFETY FACTOR FOR DIP SLIP JOINT DEFLECTION FROM THE MANUFACTURER'S ECTED WITHOUT THE USE OF FABRICATED 3° BENDS. IDR 35 PVC SHALL BE 100'. MINIMUM RADIUS FOR DIP AND PVC PIPE	S: BY: DESCRIPTION: APRV'D. BY: DATE:	VGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE, OR LIABLE FOR, HORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS. BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.