

# UPTOWN 240 TOWN OF DILLON, COLORADO FEBRUARY 2018

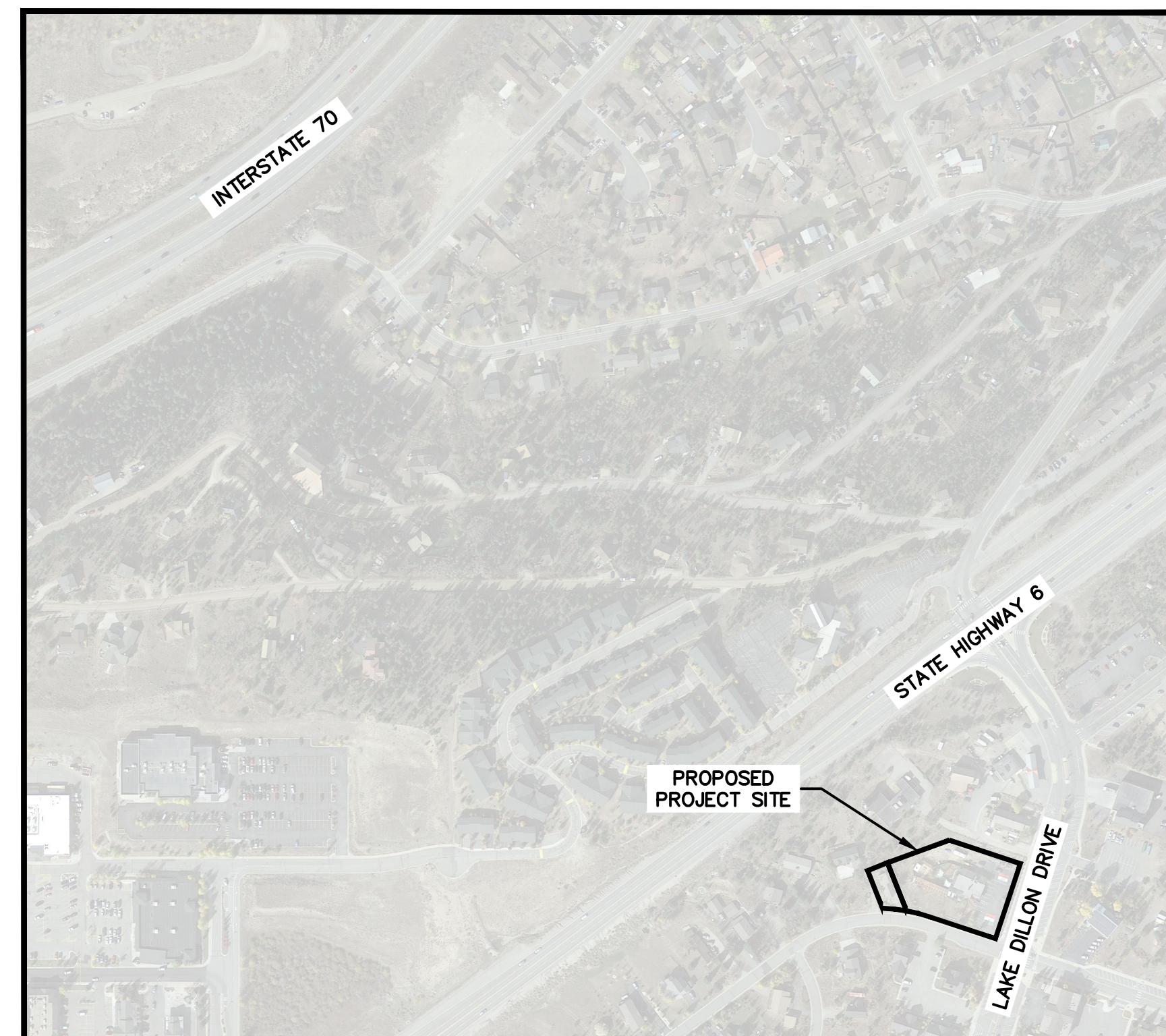
**Uptown 240**  
PUD Development Plan  
Town of Dillon, Colorado  
Ordinance 01-18, Series of 2018  
Sheet 12 of 18

MARCIN ENGINEERING LLC  
 130 Ski Hill Road, #235  
 BRECKENRIDGE, COLORADO  
 970-771-3459

## GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH CONTRACT DOCUMENTS.
2. THE CONTRACTOR SHALL CONFORM TO ALL TOWN OF DILLON TOWN CODES, REGULATIONS, AND STIPULATIONS.
3. CONTRACTOR SHALL OBTAIN, AT ITS OWN EXPENSE, ALL PERMITS AND INSPECTIONS, WHICH ARE NECESSARY TO PERFORM THE PROPOSED WORK, UNLESS OTHERWISE NOTED.
4. THE CONTRACTOR IS WARNED THAT CONFLICTS WITH EXISTING UTILITIES MAY EXIST. PRIOR TO BEGINNING ANY CONSTRUCTION, THE CONTRACTOR SHALL CONTACT ALL APPROPRIATE UTILITY COMPANIES FOR LINE LOCATIONS, AND CONTRACTOR SHALL LOCATE ALL UTILITIES (INCLUDING DEPTH). NEITHER MARCIN ENGINEERING NOR THE OWNER ASSUME ANY RESPONSIBILITY FOR UTILITY LOCATIONS. ANY CONFLICTS WITH THE PROPOSED CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF MARCIN ENGINEERING AND THE OWNER SO THAT MINOR LINE OR GRADE CHANGES CAN BE MADE TO ELIMINATE ANY CONFLICTS WITH THESE EXISTING UTILITIES. ALL EXISTING UTILITIES SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. UTILITIES THAT ARE DAMAGED BY THE CONTRACTOR THAT WERE PROPERLY MARKED/LOCATED SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER OR ENGINEER.
5. THE CONSTRUCTION OF ALL ROADS, SIDEWALKS, CURBS, EARTHWORK AND OTHER INFRASTRUCTURE DEVELOPMENT NOT SPECIFICALLY SPECIFIED BY SEPARATE UTILITY COMPANIES, SHALL BE CONSTRUCTED TO THE TOWN OF DILLON TOWN CODE AND/OR COLORADO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (2017 EDITION) AND LATEST REVISIONS, CDOT M&S STANDARD PLANS (2012 EDITION) AND LATEST REVISIONS AND ANY SUPPLEMENTAL SPECIFICATIONS PROVIDED WITH THE CONTRACT. WHEN STANDARDS CONFLICT, THE STANDARD JUDGED MOST RESTRICTIVE BY THE ENGINEER SHALL PREVAIL. THE CONTRACTOR SHALL OBTAIN COPIES OF THESE SPECIFICATIONS AND PLANS. THE CONTRACTOR SHALL HAVE ONE COPY OF THE PLANS AND ONE COPY OF THE SPECIFICATIONS AT THE JOB SITE AT ALL TIMES.
6. CONTRACTOR SHALL NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES. ANY MISSING DIMENSIONS OR DISCREPANCIES IN THE PLANS, FIELD STAKING OR PHYSICAL FEATURES SHALL BE BROUGHT TO THE ATTENTION OF MARCIN ENGINEERING AND THE OWNER. IF THE CONTRACTOR PROCEEDS WITH THE WORK WITHOUT NOTIFYING MARCIN ENGINEERING AND THE OWNER, HE DOES SO AT HIS OWN RISK.
7. THE CONTRACTOR SHALL KEEP ONE (1) SET OF CONTRACT DRAWINGS MARKED TO FULLY INDICATE "AS-BUILT" CONDITIONS. THE DRAWINGS SHALL BE PROVIDED TO THE OWNER AND MARCIN ENGINEERING UPON COMPLETION OF THIS WORK. THREE (3) "AS-BUILT" TIES TO ALL SERVICES, FITTINGS, VALVES AND MANHOLES TO PHYSICAL MONUMENTS ARE TO BE PROVIDED BY THE CONTRACTOR.
8. SAFETY IS THE RESPONSIBILITY OF THE CONTRACTOR. NEITHER MARCIN ENGINEERING OR THE OWNER IS RESPONSIBLE FOR SAFETY IN, ON, OR ABOUT THE PROJECT SITE NOR FOR COMPLIANCE BY THE APPROPRIATE PARTY WITH ANY REGULATIONS RELATING THERETO.
9. TRAFFIC CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR. A TRAFFIC CONTROL PLAN SHALL BE SUBMITTED BY THE CONTRACTOR TO THE OWNER AND TOWN FOR APPROVAL.
10. CONTRACTOR SHALL MAINTAIN AT LEAST 1-LANE ACCESS ON ALL PUBLIC ROADS AT ALL TIMES UNLESS OTHERWISE APPROVED BY TOWN OF DILLON.
11. ALL WATER CONSTRUCTION SHALL COMPLY WITH TOWN OF DILLON TOWN CODE. ALL WATER MAINS SHALL BE TESTED BY THE CONTRACTOR PER TOWN OF DILLON WATER CONSTRUCTION SPECIFICATIONS.
12. ALL SANITARY SEWER CONSTRUCTION SHALL COMPLY WITH TOWN OF DILLON CONSTRUCTION SPECIFICATIONS. ALL SEWER MAINS SHALL BE TESTED BY THE CONTRACTOR PER TOWN OF DILLON SPECIFICATIONS.
13. THE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION OF STOCKPILING OF MATERIALS. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER, AND THE MATERIAL SUPPLIER.
14. THE CONTRACTOR SHALL TAKE ALL APPROPRIATE PRECAUTIONS TO SIGNIFICANTLY REDUCE ANY POTENTIAL POLLUTION CAUSED BY HIS ACTIVITIES, INCLUDING VEHICLE FUELING, STORAGE OF FERTILIZERS OR CHEMICALS, ETC. THE CONTRACTOR SHALL HAVE IDENTIFIED PROCEDURES FOR HANDLING POTENTIAL POLLUTANTS AND HAVE IDENTIFIED SPILL PREVENTION AND RESPONSE PROCEDURES PRIOR TO ANY ACTIVITIES AT THE PROJECT SITE.
15. OBSERVATIONS OF THE WORK IN PROGRESS AND ON-SITE VISITS ARE NOT TO BE CONSTRUED AS A GUARANTEE OR WARRANTY BY MARCIN ENGINEERING OF THE CONTRACTOR'S CONTRACTUAL RESPONSIBILITIES.
16. IF ANY GROUND WATER IS ENCOUNTERED, THE CONTRACTOR SHALL CONTACT MARCIN ENGINEERING AND THE PROJECT GEOTECHNICAL ENGINEER IMMEDIATELY.
17. CONSTRUCTION STAKING SHALL BE PERFORMED BY OWNER.
18. BENCHMARK: CONTACT MARCIN ENGINEERING FOR SITE BENCHMARK.
19. SOILS AND MATERIAL TESTING IS BY THE CONTRACTOR, BUT THE CONTRACTOR MUST NOTIFY THE OWNER AND GEOTECHNICAL ENGINEER OF SCHEDULING.
20. ALL EARTHWORK AND PAVING SHALL CONFORM WITH GEOTECHNICAL ENGINEER REQUIREMENTS.
21. ALL UTILITY TRENCHES IN ROAD PRISM TO BE COMPACTED AND TESTED PER GEOTECHNICAL ENGINEER REQUIREMENTS.
22. ROAD SUBGRADE SHALL BE PROOF ROLLED AND FREE OF DEFLECTION TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER. ANY FAILING AREAS SHALL BE REPAIRED AND PROOF ROLLED AGAIN UNTIL ACCEPTED BY THE GEOTECHNICAL ENGINEER WITH NO ADDITIONAL COST TO OWNER.
19. THE CONTRACTOR SHALL MAINTAIN EXISTING DRAINAGE CHANNELS, CULVERTS AND APPURTENANCES DURING CONSTRUCTION, AS NECESSARY TO PROTECT ROADS AND PROPERTY.
20. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN EROSION CONTROL IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES. CONTRACTOR IS RESPONSIBLE TO REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER CONSTRUCTION IS COMPLETION AND ONCE VEGETATION IS APPROXIMATELY 70% RE-ESTABLISHED DEEMED BY THE OWNER.
21. CONTRACTOR IS RESPONSIBLE FOR DAILY CLEANING OF ALL ACCESS ROADS AND OTHER PUBLIC STREETS NECESSITATED BY HIS ACTIVITIES ON THE SITE.
22. DUST CONTROL IS INCIDENTAL TO EARTHWORK CONSTRUCTION AND SHALL BE PROVIDED BY CONTRACTOR, AT NO COST TO OWNER, IN ACCORDANCE WITH THE TOWN OF DILLON TOWN CODE.
23. ALL LANDSCAPING SHALL BE PER THE LANDSCAPE ARCHITECT PLANS AND/OR OWNER.

## SITE MAP APPROXIMATE SCALE: 1"=300'



## SHEET INDEX

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C-8	=====	DETAILS - THIS SUBMITTAL

## UTILITY CONTACTS

- A. Town of Dillon (Water, Sewer), Dan Burroughs (970) 262-3405
- B. Excel Energy, Amy Lagace (970) 262-4033
- C. Century Link, Ron Hickman (970) 328-8288
- D. Comcast, Michael Johnson (970) 930-4713
- E. Utility Notification Center of Colorado, (UNCC) 811

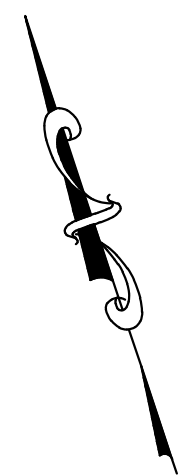
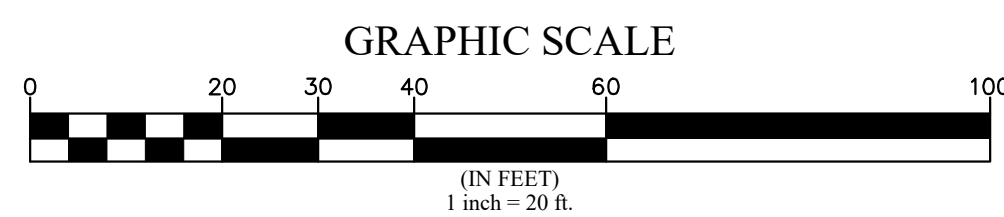
COVER SHEET  
 UPTOWN 240  
 DILLON, COLORADO

BY	MLB/ RAG
REVISIONS	TOWN PLANNING
DATE	02/28/18
NO.	1

JOB: 17087  
 DATE: 02/28/18  
 SCALE: N/A

**SHEET  
C-1**

PRELIMINARY – NOT FOR CONSTRUCTION



**Uptown 240**  
 PUD Development Plan  
 Town of Dillon, Colorado  
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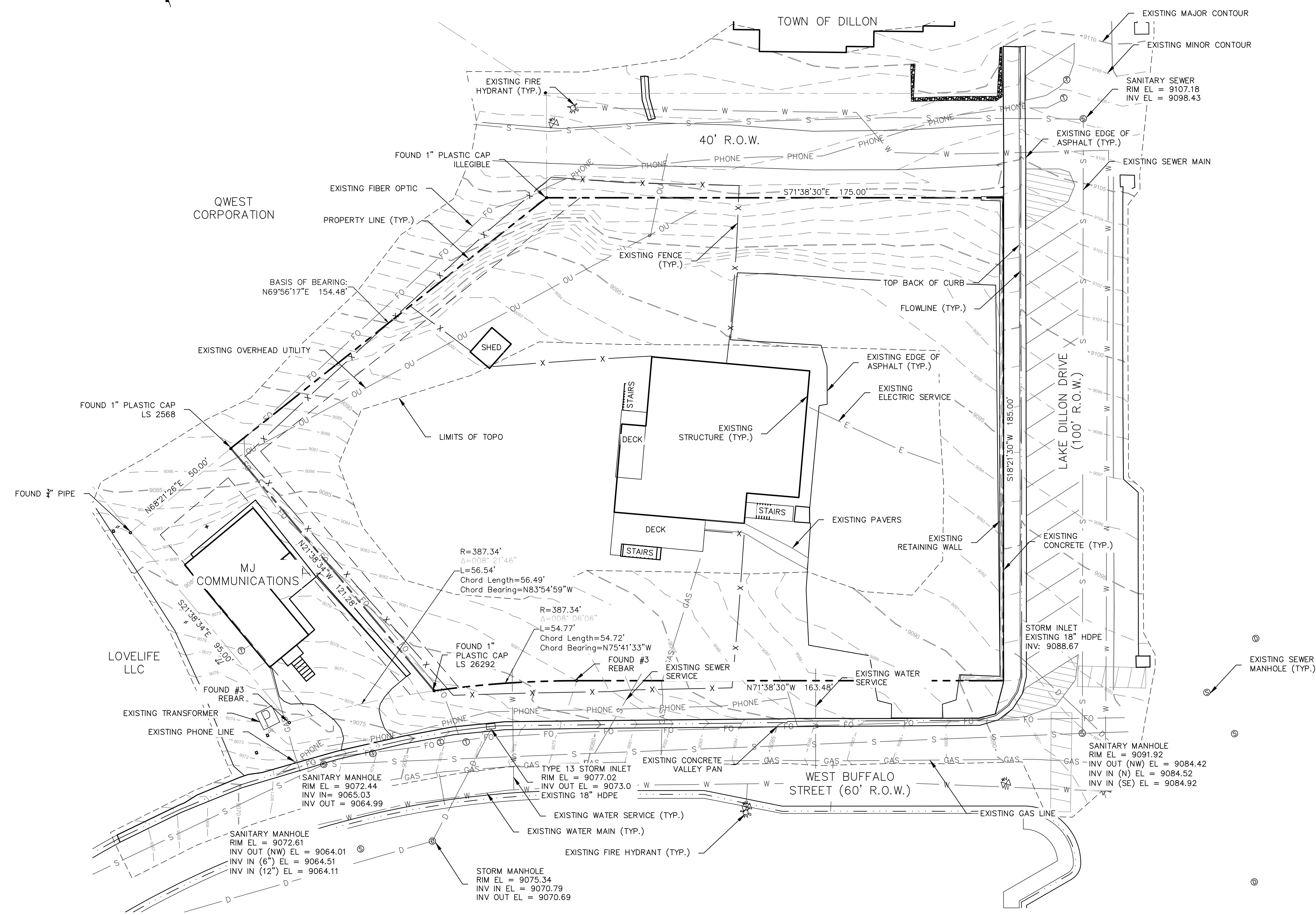
MARCIN ENGINEERING LLC  
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EXISTING CONDITIONS  
 UPTOWN 240  
 DILLON, COLORADO

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1	02/28/18	TOWN PLANNING	MLB/RAG

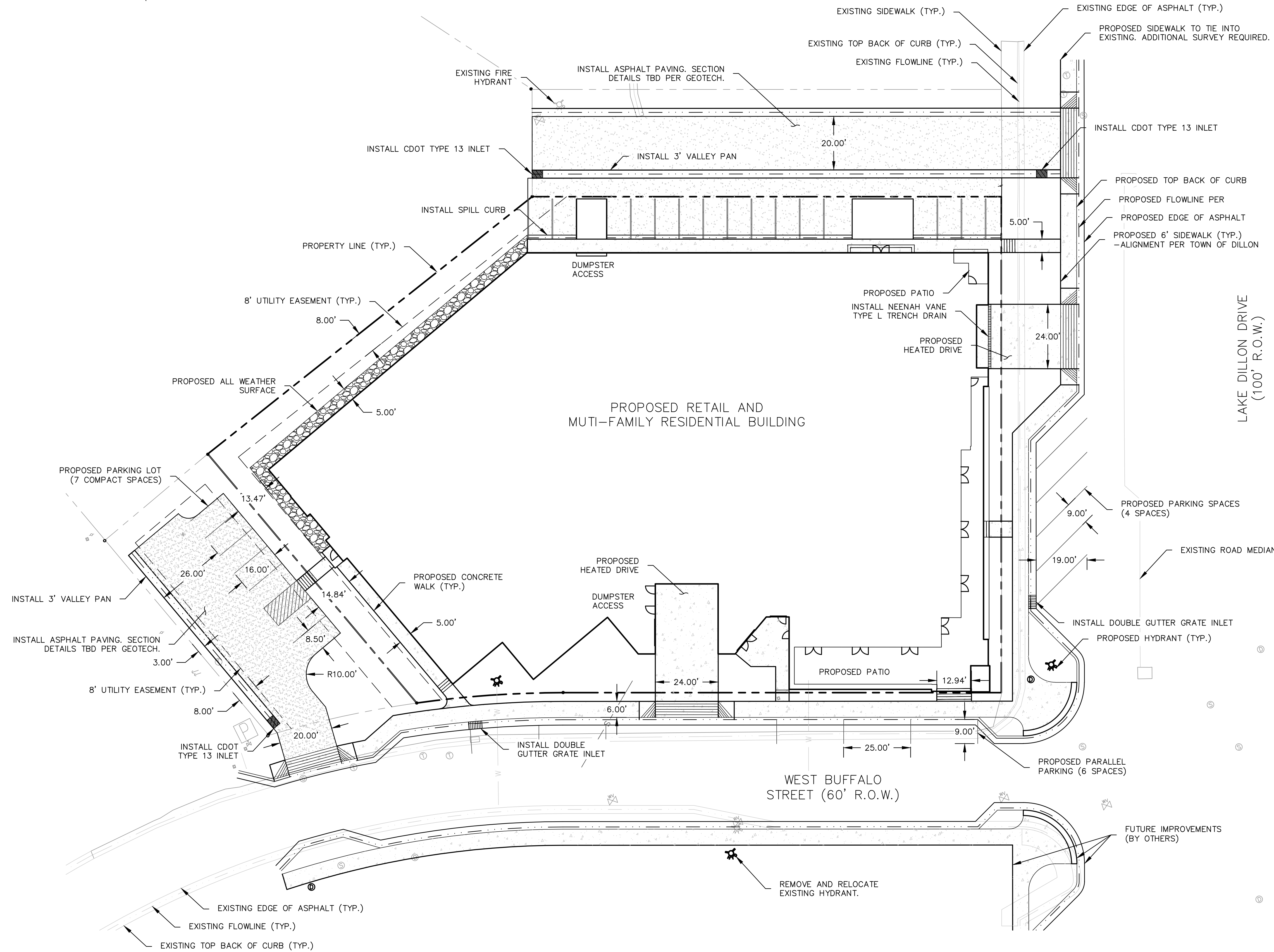
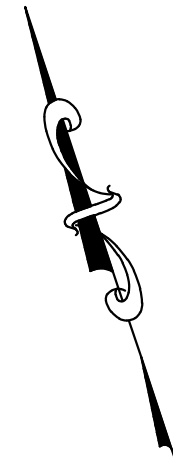
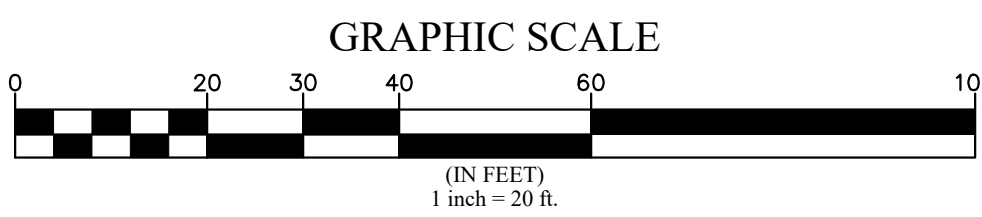
JOB: 17087  
 DATE: 02/28/18  
 SCALE: 1" = 20'

SHEET  
 C-2



PRELIMINARY – NOT FOR CONSTRUCTION

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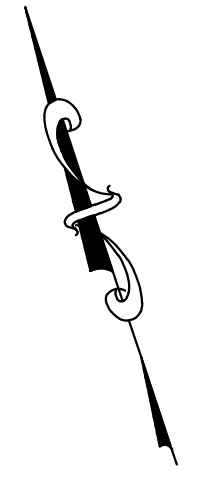
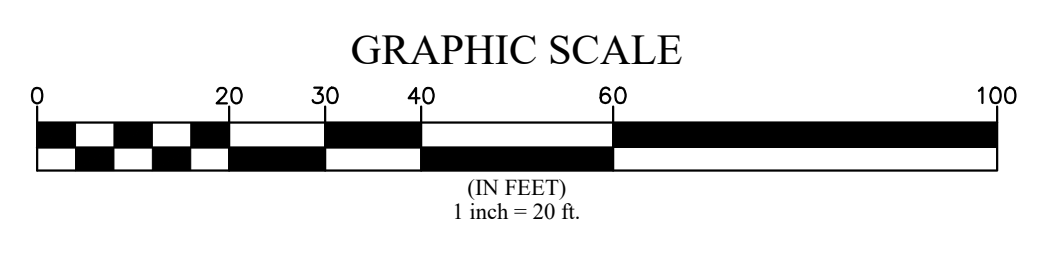


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JOB: 17087  
 DATE: 02/28/18  
 SCALE: 1" = 20'

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NO.	DATE	REVISIONS	BY
1	02/28/18	TOWN PLANNING	MLB/ FRAG



**Drainage and Detention Summary**

**Basin:** Overall Site  
 \*ALL ROOF RUNOFF TO BE ROUTED INTERNALLY TO PROPOSED DETENTION VAULT

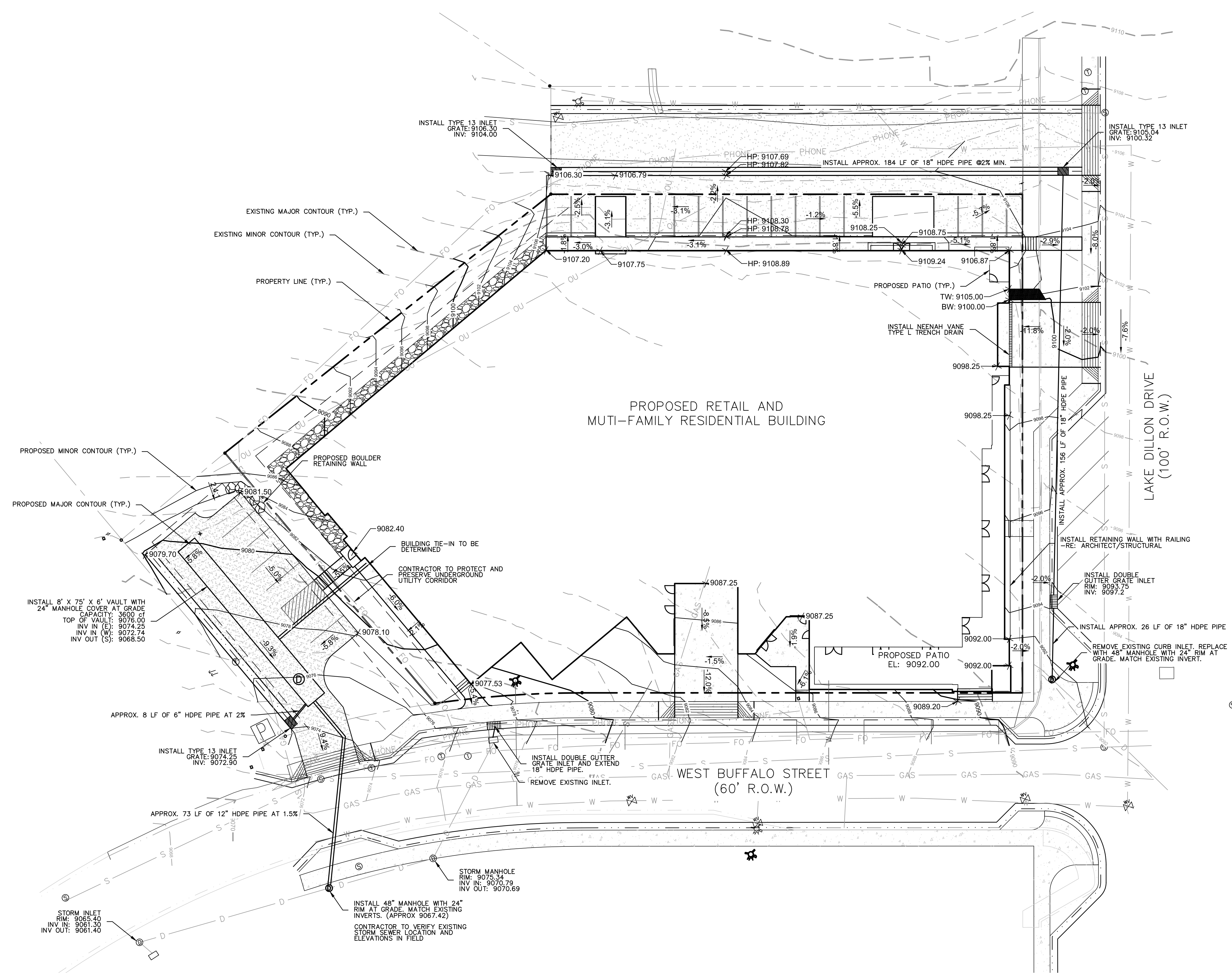
**Existing Conditions** (5 yr storm allowable discharge)  
 A = Basin Area = 1.18 acres  
 C<sub>5yr</sub> = Runoff Coefficient = 0.42  
 I<sub>5yr</sub> = Rainfall Intensity = 2.30 (Tc= 10 min)  
 Q = C \* I \* A = 1.14 cfs

**Proposed Conditions** (100 yr design storm)  
 Basin Area = 1.18 acres  
 C<sub>100yr</sub> = 0.95

**Storage Calculations**  
 Vol In = C \* I \* A \* Duration <--Proposed Conditions  
 Vol Out = (Q) \* Duration <--Existing Conditions  
 Vol Stored = Vol In - Vol Out

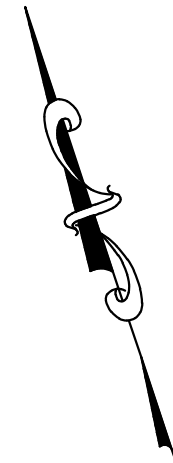
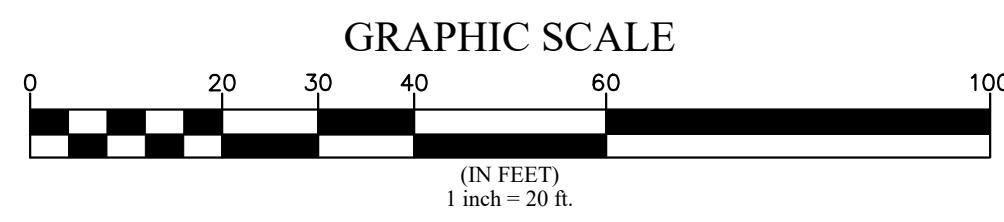
Duration (min)	I <sub>100yr</sub>	Vol In (cf)	Vol Out (cf)	Vol Stored (cf)
5	5.92	1991	342	1649
10	4.59	3087	684	2403
15	3.95	3985	1026	2959
20	3.35	4506	1368	3139
25	3.05	5129	1710	3419
30	2.75	5549	2052	<b>3497</b>
60	1.80	7264	4104	3161

NOTE: BOULDERS ARE SHOWN DIAGRAMMATICALLY



PRELIMINARY - NOT FOR CONSTRUCTION

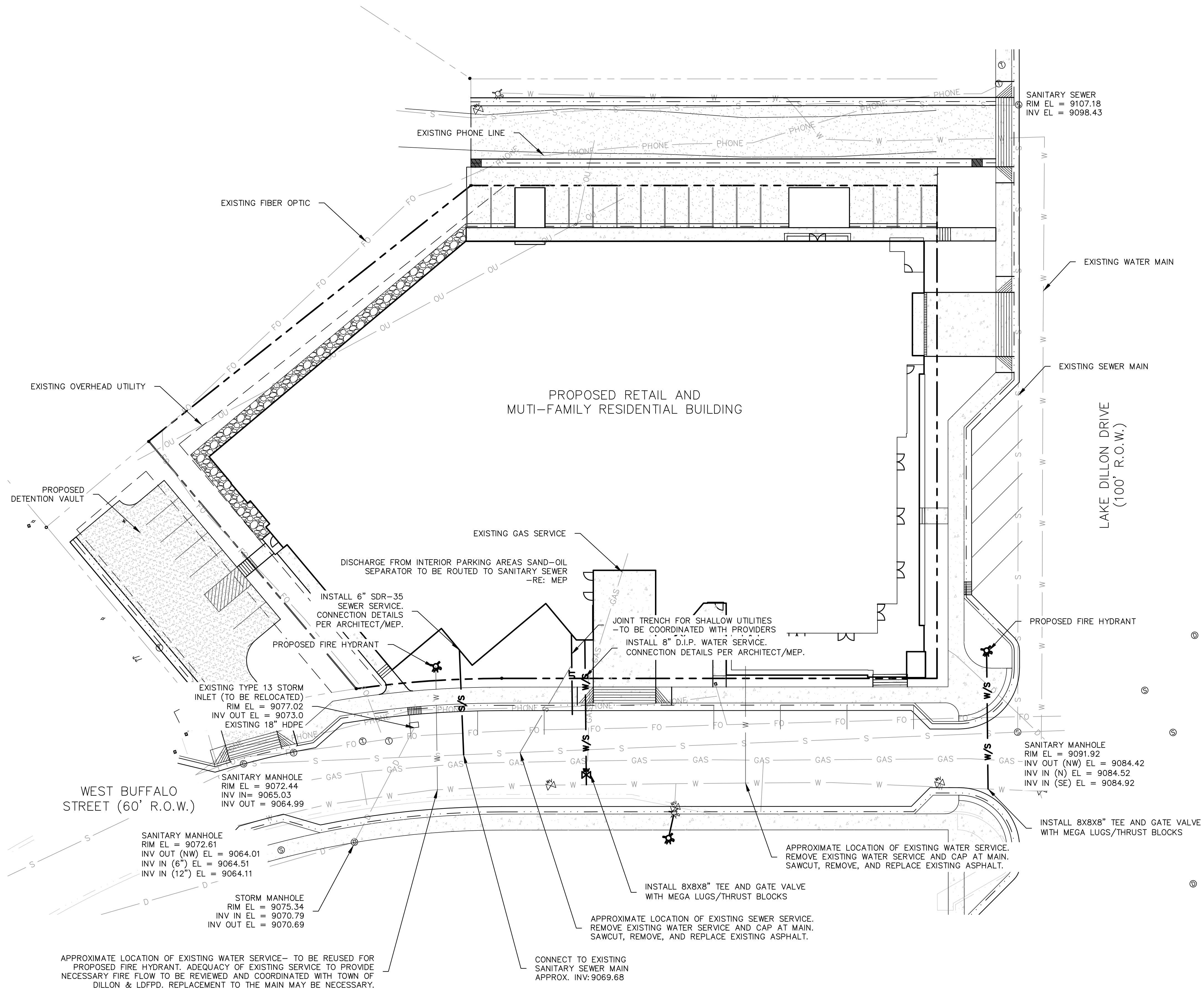
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MARCIN ENGINEERING LLC  
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**UTILITIES PLAN**  
**UPTOWN 240**  
**DILLON, COLORADO**



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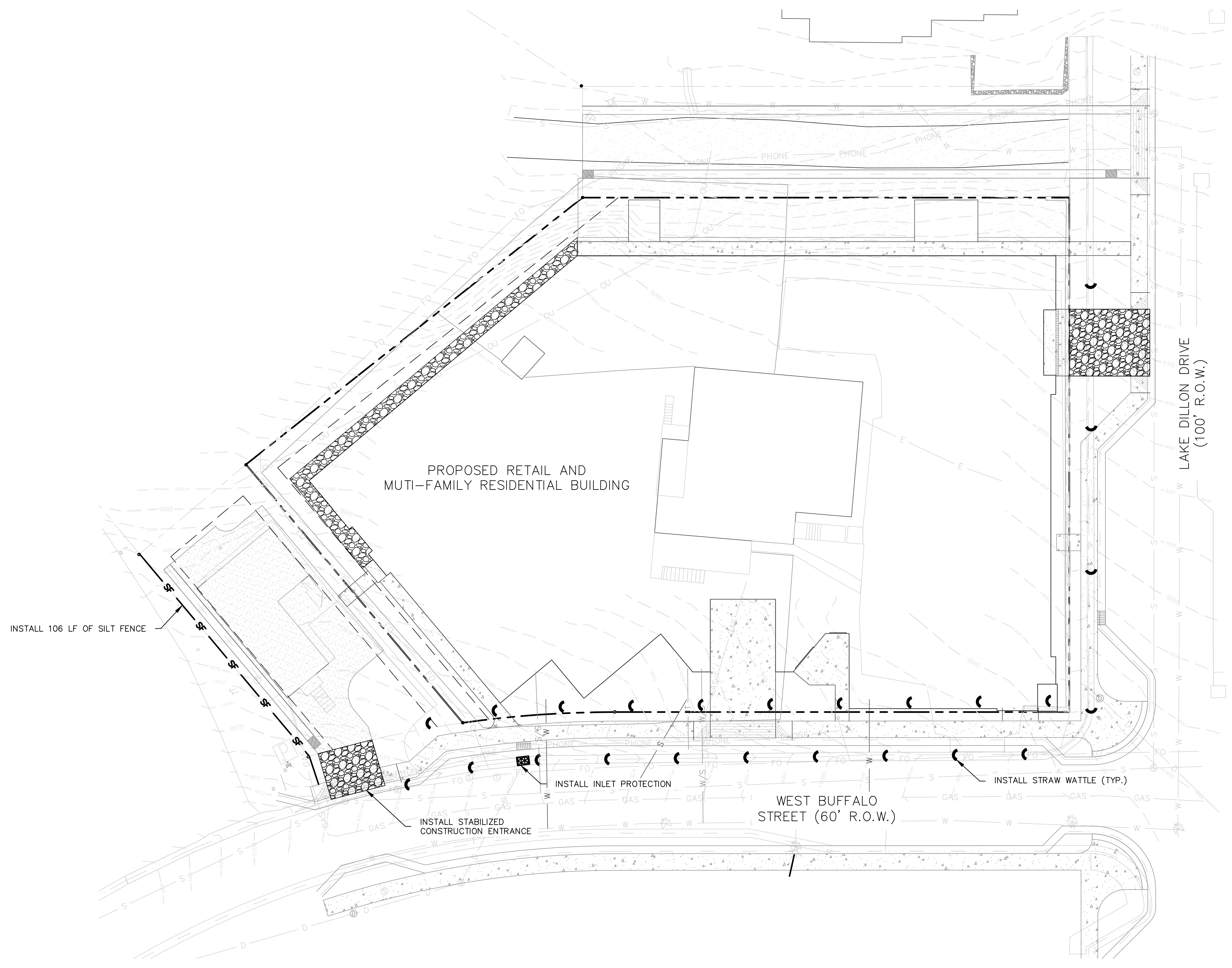
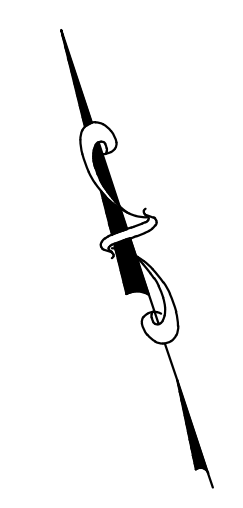
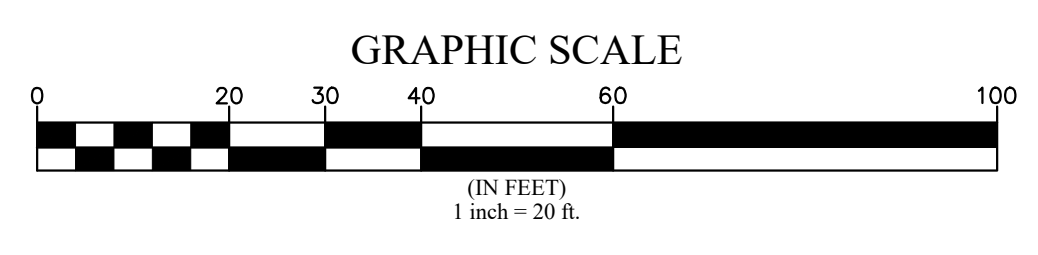
**SHEET C-5**

**PRELIMINARY – NOT FOR CONSTRUCTION**

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