

D:\DROPBOX\PROJECT FILES\19.022-263 SAWATCH DRIVE, EAGLE\PLANS\C1.0 COVER SHEET

# MIXED-USE DEVELOPMENT

263 SAWATCH ROAD // PARCEL NUMBER 1939-333-45-001

LOT 2, 700 CHAMBERS SUBDIVISION, SECTION 33, TOWNSHIP 4 SOUTH, RANGE 84 WEST OF  
THE 6TH PRINCIPAL MERIDIAN, TOWN OF EAGLE, COUNTY OF EAGLE, STATE OF COLORADO

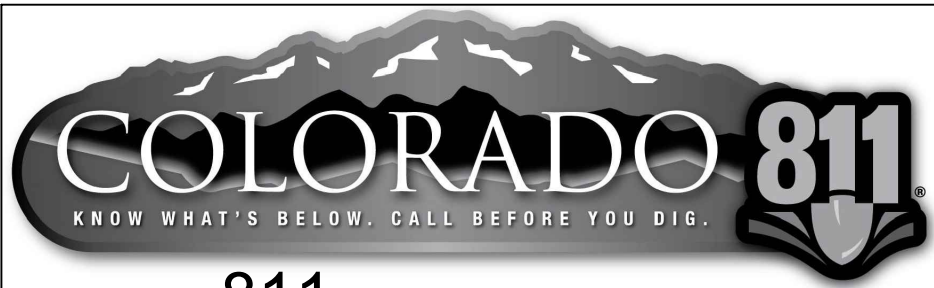
## LEGEND

EXISTING		PROPOSED
	PROPERTY LINE	
	RIGHT-OF-WAY LINE	
	SECTION LINE	
	EASEMENT	
	RETAINING WALL	
	CURB & GUTTER	
	ASPHALT	
	CONCRETE/ SIDEWALK	
	HANDICAP RAMPS	
	CONTOURS	
	UTILITY CROSSING	
	STORM SEWER	
	STORM MANHOLE	
	ROOF DRAIN	
	STORM INLET	
	FLARED END SECTION	
	SANITARY SEWER	
	SANITARY MANHOLE	
	CLEAN OUT	
	WATER LINE	
	WATER VALVE	
	FIRE HYDRANT	
	WATER METER	
	IRRIGATION LINE	
	IRRIGATION CONTROL	
	OVERHEAD ELECTRIC	
	ELECTRIC LINE	
	LIGHT POLE	
	POWER POLE	
	ELECTRIC METER	
	TELEPHONE LINE	
	TELEPHONE PEDESTAL	
	CABLE TV	
	SIGN	
	DIRECTION OF FLOW	
	GRADING ARROW	
	GAS LINE	
	DRIVE	
	SPOT ELEVATIONS	



## VICINITY MAP

SCALE: 1"=100'



CALL **811** 2-BUSINESS DAYS IN ADVANCE  
BEFORE YOU DIG, GRADE OR EXCAVATE FOR  
MARKING OF UNDERGROUND MEMBER UTILITIES

ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITY LOCATIONS.  
THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM  
THE BEST AVAILABLE INFORMATION. IT IS, HOWEVER, THE  
CONTRACTORS RESPONSIBILITY TO FIELD VERIFY THE SIZE,  
MATERIAL, HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES  
PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION.

## BASIS OF BEARING AND BENCHMARK:

BASIS OF BEARING: BEARINGS ARE BASED UPON AN ASSUMED BEARING OF S30°52'00"E  
OF THE WESTERLY LIMIT OF LOT 1.

BENCHMARK: SEWER MANHOLE EC2 IN CHAMBERS AVENUE NEAR THE NORTHWEST CORNER  
OF LOT 1.

RIM ELEV. = 6621.6'  
INVERT ELEV. = 6614.6'

EXISTING TOPOGRAPHY SHOWN WAS TAKEN FROM THE DESIGN SURVEY COMPLETED BY  
GORE RANGE SURVEYING AND RECEIVED 21 APRIL 2022.

## SUBMITTALS / REVISIONS

1	SCHEMATIC DESIGN (NOT FOR CONSTRUCTION)	4/29/2023
2	DRAWINGS FOR DEVELOPMENT PERMIT (NO CONST.)	5/24/2023
3	GRADING PERMIT RESUBMITTAL	5/24/2023
4	DEVELOPMENT PERMIT RESUBMITTAL (NO CONST.)	8/22/2023
5	DEVELOPMENT PERMIT RESUBMITTAL (NO CONST.)	10/4/2023

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C3.0	Subdivision Site Plan
C3.1	Site Plan
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C5.0	Overall Grading Plan
C5.1	Detailed Grading Plan (Bldg. 1)
C5.2	Detailed Grading Plan (Bldg. 2)
C5.3	Detailed Grading Plan (Bldg. 3)
C5.4	Detailed Grading Plan (S. Parking)
C6.0	Overall Utility Plan
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C11.1	Details – Sanitary Sewer
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C15.1	Details – Building Services

\*NOTE: DRAWING SET FOR GRADING PERMIT ASSOCIATED WITH  
POND IMPROVEMENTS IS ABBREVIATED RELATIVE TO THE SET  
FOR THE ENTIRE DEVELOPMENT PROJECT ON LOT 2.\*

## PROJECT CONTACTS

OWNER	JURISDICTION	ARCHITECT	CIVIL ENGINEER	LAND SURVEYOR
SAWATCH 263 RD, LLC P.O. BOX 2322 AVON, COLORADO 81620 970-376-6111	TOWN OF EAGLE 200 BROADWAY EAGLE, COLORADO 81631 970-445-0847	MARTIN MANLEY ARCHITECTS P.O. BOX 1587 EAGLE, COLORADO 81631 970-328-1299	YARNELL CONSULTING & CIVIL DESIGN, LLC P.O. BOX 3901 EAGLE, COLORADO 81631-3901 970-323-7008	GORE RANGE SURVEYING 5129 LONGSUN LANE AVON, COLORADO 81620 970-479-8698
DAVE DANTAS & RICK PATRIACCA		JEFF MANLEY	JUSTIN YARNELL	SAM ECKER

## UTILITY CONTACTS

NATURAL GAS	ELECTRIC	FIBER OPTIC	WATER & SANITATION
BLACK HILLS ENERGY 96 COUNTY ROAD 160, GLENWOOD SPRINGS, CO 81601 970-928-0407	HOLY CROSS ENERGY P.O. BOX 2150 GLENWOOD SPRINGS, CO 81602 970-947-5439	CENTURY LINK P.O. BOX 0570 EAGLE, COLORADO 81631 970-328-8290	TOWN OF EAGLE 200 BROADWAY EAGLE, COLORADO 81631 970-445-0847
PAUL FICKLIN	KEITH HERNANDEZ	JASON SHARPE	DENNIS WIKE

MIXED-USE DEVELOPMENT

YARNELL CONSULTING &  
CIVIL DESIGN, LLC

THE DESIGNS SHOWN HEREIN INCLUDING  
ALL TECHNICAL DRAWINGS, GRAPHIC  
REPRESENTATION & MODELS THEREOF, ARE  
PROPRIETARY & CAN NOT BE COPIED,  
REPRODUCED, OR COMMERCIALY EXPLOITED  
IN WHOLE OR IN PART WITHOUT THE SOLE  
AND EXPRESS WRITTEN PERMISSION FROM  
YARNELL CONSULTING & CIVIL DESIGN, LLC.

DESIGN BY:	J. YARNELL	NO.	ISSUE / REVISION	NAME	DATE
DRAWN BY:	J. YARNELL	1.	SCHEMATIC DESIGN (NO CONST.)	JULY	4/29/23
REVIEWED BY:	J. YARNELL	2.	DEVELOPMENT PERMIT SUBMISSION	JULY	5/24/23
		3.	GRADING PERMIT SUBMITTAL	JULY	5/24/23
PROJECT NO.:	19.022	4.	DEVELOPMENT PERMIT RESUBMITTAL	JULY	8/22/23
DATE:	10/4/2023	5.	DEVELOPMENT PERMIT RESUBMITTAL	JULY	10/4/23

SHEET TITLE  
COVER SHEET

SHEET NO.  
**C1.0**

263 SAWATCH DRIVE  
LOT 2, 700 CHAMBERS SUBDIVISION  
EAGLE, COLORADO  
(970) 323-7008



D:\DROPBOX\PROJECT FILES\19.022--263 SAWATCH DRIVE, EAGLE\PLANS\C1.0 COVER SHEET

GENERAL NOTES:

1.

ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF EAGLE "PUBLIC WORKS MANUAL." ITEMS NOT COVERED WITHIN SAID MANUAL SHALL BE IN ACCORDANCE WITH THE COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND M-STANDARDS.
2.

ALL GRADING, WATER, STORM SEWER, AND SANITARY SEWER CONSTRUCTION SHALL BE SUBJECT TO TOWN OF EAGLE INSPECTION.
3.

THE CONTRACTOR SHALL HAVE ONE [1] SIGNED COPY OF PLANS APPROVED BY THE TOWN OF EAGLE AND ONE [1] COPY OF THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS ON THE JOB SITE AT ALL TIMES.
4.

PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE CIVIL ENGINEER--OF-RECORD TEST REPORTS, SHOP DRAWINGS, CUT SHEETS, AND ANY OTHER DOCUMENTATION NECESSARY TO CLEARLY INDICATE THE MATERIALS AND COMPONENTS SLATED FOR USE ON THE PROJECT.
5.

CONTRACTOR SHALL NOTIFY THE ENGINEER, OWNER, AND THE TOWN OF EAGLE PUBLIC WORKS INSPECTOR 48 HOURS PRIOR TO THE START OF CONSTRUCTION. A PRE-CONSTRUCTION MEETING SHALL BE SCHEDULED WITH THE TOWN OF EAGLE PUBLIC WORKS INSPECTOR 24 HOURS PRIOR TO START OF WORK.
6.

ALL RANGE POINTS, TIES, BENCHMARKS, OR OTHER SURVEY CONTROL POINTS, WHICH MAY BE ENCOUNTERED DURING CONSTRUCTION, MUST BE PRESERVED. ANYTHING DAMAGED OR DESTROYED MUST BE RESTORED BY A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF COLORADO, AT NO COST TO THE OWNER.
7.

ALL ELEVATIONS ARE ON UNITED STATES GEOLOGICAL SURVEY (USGS) VERTICAL DATUM -- NOT ARCHITECTURAL. SPOT ELEVATIONS ARE AROUND ELEVATION 6600. THEREFORE, SPOT ELEVATION 16.25 CORRESPONDS TO USGS ELEVATION 6616.25 WHILE SPOT ELEVATION 95.38 CORRESPONDS TO USGS ELEVATION 6595.38.
8.

THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS AT AND ADJACENT TO THE JOB SITE, INCLUDING, BUT NOT LIMITED TO, SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK, TRENCH EXCAVATION AND SHORING, TRAFFIC CONTROL, AND SECURITY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
9.

THE TOWN/OWNER/ENGINEER CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE.
10.

ALL TRENCHES SHALL BE ADEQUATELY SUPPORTED AND THE SAFETY OF WORKERS PROVIDED FOR AS REQUIRED BY THE MOST RECENT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION [OSHA] "SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION." THESE REGULATIONS ARE DESCRIBED IN SUBPART P, PART 1926 OF THE CODE OF FEDERAL REGULATIONS. SHEETING AND SHORING SHALL BE UTILIZED WHERE NECESSARY TO PREVENT ANY EXCESSIVE WIDENING OR SLOUGHING OF THE TRENCH WHICH MAY BE DETRIMENTAL TO HUMAN SAFETY, TO THE PIPE BEING PLACED, OR TO ANY EXISTING SITE IMPROVEMENTS OR STRUCTURES. THE CONTRACTOR MAY BE REQUIRED TO USE AN APPROVED PILING INSTEAD OF SHEETING AND SHORING.
11.

CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FOR THE SCOPE OF WORK.
12.

AT LEAST FIVE [5] WORKING DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION, A TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE TOWN OF EAGLE ENGINEER. THE TRAFFIC CONTROL PLAN SHALL BE PREPARED BY A CERTIFIED TRAFFIC CONTROL SUPERVISOR AND SHALL BE IN CONFORMANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD). NO WORK SHALL BEGIN UNTIL ALL TRAFFIC CONTROL DEVICES HAVE BEEN PLACED IN ACCORDANCE WITH THE PLAN. THE CONTRACTOR SHALL CONTINUOUSLY MAINTAIN THE TRAFFIC CONTROL DEVICES FOR THE ENTIRE DURATION OF THE PROJECT OR UNTIL THE ROADWAY HAS BEEN OPENED AND THE PERMANENT TRAFFIC CONTROL DEVICES HAVE BEEN INSTALLED.
13.

ALL TRENCH BACKFILL AND SUBGRADE PREPARATION SHALL BE TESTED TO ENSURE COMPLIANCE WITH TOWN OF EAGLE STANDARDS AND SHALL BE TESTED AT TOWN OF EAGLE-REQUIRED FREQUENCIES BY A TOWN OF EAGLE-APPROVED PRIVATE SOILS TESTING FIRM. TEST RESULTS SHALL BE SUBMITTED TO, REVIEWED, AND APPROVED BY, THE TOWN OF EAGLE PUBLIC WORKS DEPARTMENT PRIOR TO INSTALLING BASE COURSE. ASPHALT OR CONCRETE ON PREPARED SUBGRADE. ALL BASE COURSE DENSITY SHALL ALSO BE TESTED BY THE PRIVATE SOILS FIRM AT TOWN OF EAGLE-REQUIRED FREQUENCIES TO ENSURE COMPLIANCE WITH TOWN OF EAGLE REQUIREMENTS. BASE COURSE TEST RESULTS SHALL ALSO BE APPROVED BY THE TOWN OF EAGLE PUBLIC WORKS DEPARTMENT PRIOR TO INSTALLING PAVEMENT. ALL CONCRETE AND ASPHALT PLACED SHALL BE TESTED IN ACCORDANCE WITH TOWN OF EAGLE MINIMUM MATERIALS TESTING STANDARDS. TEST RESULTS SHALL BE REVIEWED AND APPROVED BY THE TOWN OF EAGLE PUBLIC WORKS DEPARTMENT PRIOR TO INITIATION OF THE REQUIRED TWO-YEAR WARRANTY PERIOD.
14.

CONTRACTOR SHALL CONFORM TO ALL FEDERAL, STATE, AND LOCAL HEALTH AND SAFETY RULES AND REGULATIONS.
15.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES DURING CONSTRUCTION AND FOR COORDINATING WITH THE APPROPRIATE UTILITY COMPANY FOR ANY UTILITY CROSSINGS REQUIRED. REPAIR OF DAMAGED UTILITIES SHALL BE AT THE CONTRACTOR'S EXPENSE, INCLUDING BUT NOT LIMITED TO UNKNOWN UNDERGROUND UTILITIES.
16.

EXISTING FENCES, TREES, SIDEWALKS, CURB/GUTTER, LANDSCAPING, STRUCTURES, AND IMPROVEMENTS DESTROYED, DAMAGED OR REMOVED DUE TO CONSTRUCTION OF THIS PROJECT SHALL BE REPLACED OR RESTORED IN LIKE KIND AT THE CONTRACTOR'S EXPENSE, UNLESS OTHERWISE INDICATED ON THESE PLANS.
17.

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MAINTAINING REASONABLE ACCESS TO AND FROM ALL OF THE ADJACENT PROPERTIES THROUGHOUT THE COURSE OF THE WORK. THE CONTRACTOR SHALL BE REQUIRED TO MEET (INDIVIDUALLY OR COLLECTIVELY) WITH ALL ADJACENT PROPERTY OWNERS WHOSE DRIVEWAY ACCESS WILL BE AFFECTED BY THE WORK. AS CONSTRUCTION CONDITIONS CHANGE AND THE WORK PROGRESSES, THE CONTRACTOR SHALL BE REQUIRED TO PERIODICALLY UPDATE THOSE PROPERTY OWNERS SO THAT THEY ARE KEPT INFORMED ABOUT THEIR ACCESS.
18.

OWNER/DEVELOPER SHALL OBTAIN A STORMWATER CONSTRUCTION PERMIT FROM THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, WATER QUALITY CONTROL DIVISION, PRIOR TO CLEARING, GRADING, OR EXCAVATING A SITE OF ONE [1] ACRE OR MORE, OR LESS THAN ONE [1] ACRE BUT PART OF A LARGER DEVELOPMENT. A COPY OF THE APPROVED PERMIT MUST BE SUBMITTED TO THE TOWN OF EAGLE PUBLIC WORKS DEPARTMENT PRIOR TO THE START OF CLEARING, GRADING, OR EXCAVATING OF THE SITE. A COPY OF THE APPROVED PERMIT MUST ALSO BE AVAILABLE ON THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION.
19.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING STORM RUNOFF AND ANY GROUNDWATER ENCOUNTERED DURING THE CONSTRUCTION OF ANY PORTION OF THIS PROJECT. GROUNDWATER SHALL BE PUMPED, PIPED, REMOVED, AND DISPOSED OF IN A MANNER WHICH DOES NOT CAUSE FLOODING OF EXISTING STREETS NOR EROSION ON ABUTTING PROPERTIES IN ORDER TO CONSTRUCT THE IMPROVEMENTS SHOWN ON THESE PLANS. NO CONCRETE SHALL BE PLACED WHERE GROUNDWATER IS VISIBLE OR UNTIL THE GROUNDWATER TABLE HAS BEEN LOWERED BELOW THE PROPOSED IMPROVEMENTS. ANY UNSTABLE AREAS, AS A RESULT OF GROUNDWATER, ENCOUNTERED DURING THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS SHALL BE STABILIZED AS AGREED UPON BY THE CONTRACTOR, THE TOWN OF EAGLE PUBLIC WORKS INSPECTOR, AND THE GEOTECHNICAL ENGINEER AT THE TIME OF OCCURRENCE.
20.

THE CONTRACTOR IS RESPONSIBLE FOR FIELD LOCATING AND VERIFYING ELEVATIONS OF ALL EXISTING UTILITIES (STORM SEWER, SANITARY, WATER, NATURAL GAS, ELECTRIC, TELEPHONE, FIBER OPTICS, CABLE TELEVISION, ETC.) AND FINISHED GRADES AT THE POINTS OF CONNECTION SHOWN ON THE PLANS, AND AT ANY UTILITY CROSSINGS. IF A CONFLICT EXISTS AND/OR A DESIGN MODIFICATION IS REQUIRED, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO MODIFY THE DESIGN PRIOR TO INSTALLING ANY OF THE NEW IMPROVEMENTS.
21.

PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION, THE CONTRACTOR SHALL CONTACT ALL UTILITIES TO COORDINATE SCHEDULES.

22.

CONTRACTOR SHALL NOTIFY ALL BUSINESSES/RESIDENTS IN WRITING 48 HOURS PRIOR TO ANY SHUT-OFF IN SERVICE. THE NOTICES MUST HAVE CONTRACTOR'S PHONE NUMBER AND NAME OF CONTACT PERSON, AND EMERGENCY PHONE NUMBER FOR AFTER-HOURS CALLS. ALL SHUT-OFFS MUST BE APPROVED BY THE TOWN OF EAGLE PUBLIC WORKS DEPARTMENT, AND TOWN OF EAGLE VALVES AND APPURTENANCES SHALL BE OPERATED BY TOWN OF EAGLE PERSONNEL, UNLESS WRITTEN PERMISSION IS GIVEN OTHERWISE.
23.

ALL PUBLIC IMPROVEMENT WORK, INCLUDING CORRECTION WORK, SHALL BE INSPECTED BY A TOWN OF EAGLE REPRESENTATIVE WHO SHALL HAVE THE AUTHORITY TO HALT CONSTRUCTION WHEN STANDARD CONSTRUCTION PRACTICES ARE NOT BEING ADHERED TO. THE TOWN OF EAGLE PUBLIC WORKS INSPECTOR RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO ITS STANDARDS AND SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR BEING AWARE OF, NOTIFYING, COORDINATING, AND SCHEDULING ALL INSPECTIONS REQUIRED FOR FINAL APPROVALS AND PROJECT ACCEPTANCE.
24.

REFER TO LANDSCAPE PLANS PREPARED BY OTHERS FOR FINAL LANDSCAPE AND SPECIALTY LANDSCAPE FEATURES.
25.

COMPACTION OF ALL TRENCHES MUST BE ATTAINED, AND COMPACTION TEST RESULTS SUBMITTED TO THE ENGINEER AND THE TOWN OF EAGLE PUBLIC WORKS DEPARTMENT PRIOR TO FINAL ACCEPTANCE.
26.

RECORD DRAWINGS SHOWING ALL CHANGES FROM THE APPROVED CONSTRUCTION DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER AND OWNER PRIOR TO INITIATION OF THE REQUIRED TWO-YEAR WARRANTY PERIOD. THE RECORD DRAWINGS WILL CONSIST OF A MARKED-UP SET OF "ISSUED FOR CONSTRUCTION" DRAWINGS VERIFYING THE FOLLOWING:
  - ALL LENGTHS, SIZES, AND MATERIALS OF INSTALLED PIPE, MANHOLES, AND ANY OTHER IMPROVEMENT.
  - HORIZONTAL LOCATIONS BY NORTHING AND EASTING COORDINATES OF ALL MANHOLES, BENDS, CLEANOUTS, VALVES, TAPS, WYES, STUBS, PLUGS, TEES, ETC.
  - INVERT ELEVATIONS OF STORM SEWER AND SANITARY SEWER MANHOLES, INLETS, OUTLETS, CLEAN-OUTS, STUB ENDS, TOP OF PIPE ELEVATIONS OF EACH UTILITY CROSSING, ETC.
  - CONSTRUCTED SLOPE OF STORM AND SANITARY PIPES BETWEEN STRUCTURES.
  - TOP OF PIPE ELEVATION AT REGULAR INTERVALS AND/OR FITTINGS FOR WATER LINES.
  - ELEVATIONS AT FLOWLINE OF CURB/GUTTER AT DESIGN LOCATIONS AND GRADE BREAKS. ELEVATION OF INLET AND TRENCH DRAIN GRATES. TOP OF CURB AT CURB INLETS.
  - DIMENSIONS OF BIORETENTION AREA.
  - ANY OTHER VARIATIONS FROM THE CONSTRUCTION DOCUMENTS MUST BE CLEARLY NOTED AND DETAILED ON THE PLANS.
  - AS-BUILT FIELD NOTES, FROM WHICH THE AS-BUILT DRAWINGS ARE PREPARED, ARE TO BE PROVIDED AND STAMPED/SIGNED AND DATED BY A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF COLORADO.
27.

THE CONTRACTOR SHALL WARRANT ALL WORK TO BE FREE FROM DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF TWO [2] YEARS FROM THE DATE OF ACCEPTANCE INTO THE WARRANTY PERIOD OF ALL CONSTRUCTION CALLED FOR BY THE PUBLIC IMPROVEMENTS AGREEMENT WITH THE TOWN OF EAGLE.
28.

DURING CONSTRUCTION AND UPON COMPLETION OF CONSTRUCTION, THE SITE SHALL BE CLEANED AND RESTORED TO A CONDITION EQUAL TO, OR BETTER THAN, THAT WHICH EXISTED BEFORE CONSTRUCTION, AS DETERMINED BY THE OWNER, HIS/HER REPRESENTATIVE, OR THE TOWN OF EAGLE PUBLIC WORKS INSPECTOR.
29.

CONTRACTOR SHALL REVIEW THE GEOTECHNICAL REPORT TITLED [-----], DATED [-----], AND PREPARED BY [-----] FOR PAVEMENT DESIGN AND RECOMMENDATIONS REGARDING [EXCAVATION, COMPACTION, MATERIALS, EMBANKMENT, PAVEMENT SUBEXCAVATION, MOISTURE CONTROL, AND TOPSOIL REMOVAL AND REPLACEMENT. FINAL PAVEMENT DESIGN TO BE DETERMINED BY THE GEOTECHNICAL ENGINEER AFTER SUBGRADE IS COMPLETE. CONTRACTOR TO COORDINATE THIS WORK]. THE CONSTRUCTION METHODS FOR EXCAVATION/EMBANKMENTS, COMPACTION, AND SUBGRADE PREPARATION SHALL BE IN STRICT CONFORMANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF DISCREPANCIES BETWEEN THE GEOTECHNICAL REPORT RECOMMENDATIONS AND REQUIREMENTS OF THESE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS.
30.

THE OWNER/DEVELOPER AND/OR THEIR ASSIGNS IS HEREBY NOTIFIED THAT IT IS TYPICAL AND LIKELY THAT SOME MOVEMENT OF THE SURFACE GRADES WILL OCCUR OVER TIME DUE TO VARIOUS FACTORS THAT ARE NOT IN CONTROL OF THE DESIGNERS. THUS, A ROUTINE AND DILIGENT MAINTENANCE PROGRAM IS REQUIRED TO MAINTAIN THE PROPER GRADING AND DRAINAGE THROUGHOUT THE PROJECT.
31.

THE PLANS HAVE BEEN PREPARED BY YARNELL CONSULTING & CIVIL DESIGN, LLC IN ACCORDANCE WITH AND IN RELIANCE UPON THE GEOTECHNICAL REPORT TITLED [-----], DATED [-----], AND PREPARED BY [-----]. YARNELL CONSULTING & CIVIL DESIGN, LLC HAS NO RESPONSIBILITY FOR THE FOUNDATION SYSTEMS USED WITHIN THIS DEVELOPMENT. YARNELL CONSULTING & CIVIL DESIGN, LLC SUGGESTS THAT ALL OWNERS, PRESENT AND FUTURE, BECOME AWARE OF THE RISK ASSOCIATED WITH IMPROPER MAINTENANCE OF SLOPES AND DRAINAGE AWAY FROM THE STRUCTURES.
32.

THE DESIGN PLANS SHOWN HEREON WERE DEVELOPED BASED UPON THE GEOTECHNICAL INVESTIGATIONS/ANALYSIS/ENGINEERING CRITERIA WITHIN THE GEOTECHNICAL REPORT TITLED [-----], DATED [-----], PREPARED BY [-----], SIGNED AND SEALED BY [-----] P.E. YARNELL CONSULTING & CIVIL DESIGN, LLC RELIED UPON THE ENGINEERING ANALYSIS AND CONCLUSIONS OF THIS REPORT IN THE PREPARATION OF THESE CIVIL ENGINEERING PLANS AND DOCUMENTS. NO INDEPENDENT INVESTIGATIONS AND/OR ANALYSIS WAS CONDUCTED BY YARNELL CONSULTING & CIVIL DESIGN, LLC. THESE PLANS WERE PROVIDED TO THE GEOTECHNICAL ENGINEER FOR REVIEW AND VERIFICATION THAT THESE PLANS DEVELOPED BY YARNELL CONSULTING & CIVIL DESIGN, LLC PROPERLY INTERPRETED AND APPLIED THE CRITERIA AND RECOMMENDATIONS ESTABLISHED BY THEIR GEOTECHNICAL REPORT FOR THIS PROJECT.

ABBREVIATIONS:

APPROX	APPROXIMATE
ARCH	ARCHITECT
ASSM	ASSEMBLY
BLDG	BUILDING
BM	BENCHMARK
BOC	BACK OF CURB
BOW	BACK OF WALK
CIP	CAST IRON PIPE
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CONC	CONCRETE
CONT	CONTOUR
COR	CORNER
DEMO	DEMOLITION
DIA OR Ø	DIAMETER
DIM	DIMENSION
DIP	DUCTILE IRON PIPE
E	ELECTRICAL LINE
EL	ELEVATION
ELEC	ELECTRICAL
ENG	ENGINEER
ESMT	EASEMENT
EXIST	EXISTING
FDC	FIRE DEPARTMENT CONNECTION
FFE	FINISHED FLOOR ELEVATION
FGW	FINISHED GRADE AT WALL
FHY	FIRE HYDRANT
FL	FLOW LINE
FT	FOOT
GB	GRADE BREAK
GR	GRATE (AREA OR VALLEY INLETS)
GV	GATE VALVE
HERCP	HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HORZ	HORIZONTAL
HP	HIGH POINT
INV.	INVERT
LF	LINEAL FEET
LP	LOW POINT
MAX	MAXIMUM
MECH	MECHANICAL
MH	MANHOLE
MIN	MINIMUM
N.I.C.	NOT IN CONTRACT
NTS	NOT TO SCALE
OHE	OVERHEAD ELECTRICAL
PC	POINT OF HORIZONTAL TANGENCY
PCC	POINT OF COMPOUND CURVE
PERF	PERFORATED
PERIM	PERIMETER
PERP	PERPENDICULAR
PI	POINT OF HORIZONTAL INTERSECTION
PIV	PRESSURE INDICATOR VALVE
PL	PROPERTY LINE
PLBG	PLUMBING
POC	POINT ON CURVE
POT	POINT OF TANGENT
PRC	POINT OF REVERSE CURVE
PRKG	PARKING
PROP	PROPOSED
PRV	PRESSURE REDUCING VALVE
PVC	POLYVINYL CHLORIDE PIPE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
PVT	POINT OF VERTICAL TANGENCY
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
ROW	RIGHT OF WAY
SSWR	SANITARY SEWER
SEC	SECTION
SF	SQUARE FOOT
STA	STATION
STRM	STORM SEWER
STRUC	STRUCTURAL
SW	SIDEWALK
SY	SQUARE YARD
TELE	TELEPHONE
TB	THRUST BLOCK
TEMP	TEMPORARY
TOC	TOP OF CURB
TOW <sub>1</sub>	TOP OF WALL <sub>1</sub>
UD	UNDER DRAIN
UG	UNDERGROUND
VERT	VERTICAL
VC	VERTICAL CURVE
W	WATER LINE

NOTE: TOW<sub>1</sub> SHALL BE TOP OF WATER ON UTILITY SHEETS ONLY AND TOP OF WALL ON ALL OTHER SHEETS.

MIXED-USE DEVELOPMENT

YARNELL CONSULTING & CIVIL DESIGN, LLC

P.O. BOX 3901, EAGLE, COLORADO 81631  
(970) 323-7008

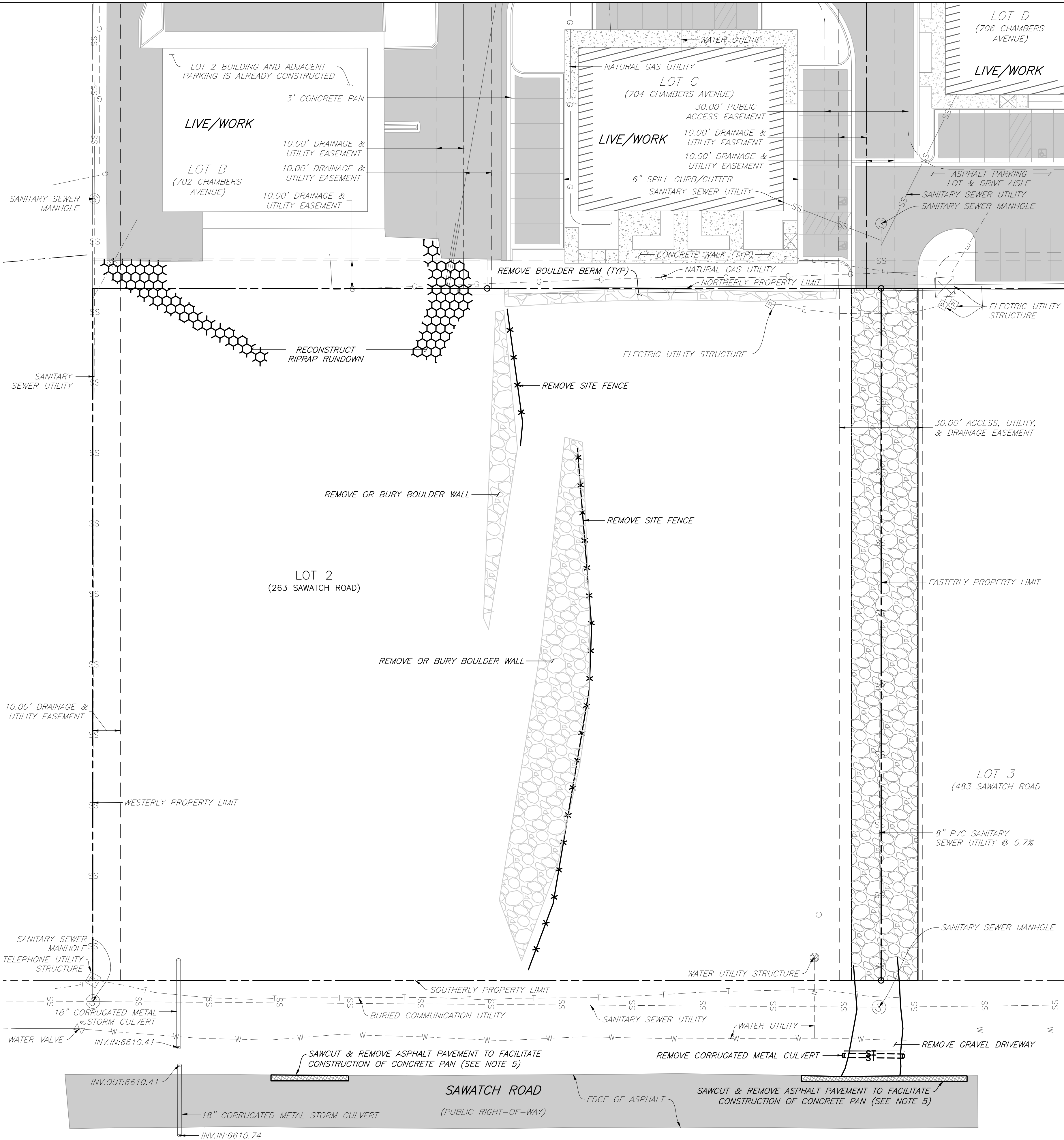
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NO.	ISSUE / REVISION	DATE	NAME
1.	SCHEMATIC DESIGN (NO CONST.)	4/29/23	JUY
2.	DEVELOPMENT PERMIT SUBMISSION	5/24/23	JUY
3.	GRADING PERMIT SUBMITAL	5/24/23	JUY
4.	DEVELOPMENT PERMIT RESUBMITAL	8/22/23	JUY
5.	DEVELOPMENT PERMIT RESUBMITAL	10/4/23	JUY

SHEET TITLE  
GENERAL NOTES & ABBREVIATIONS

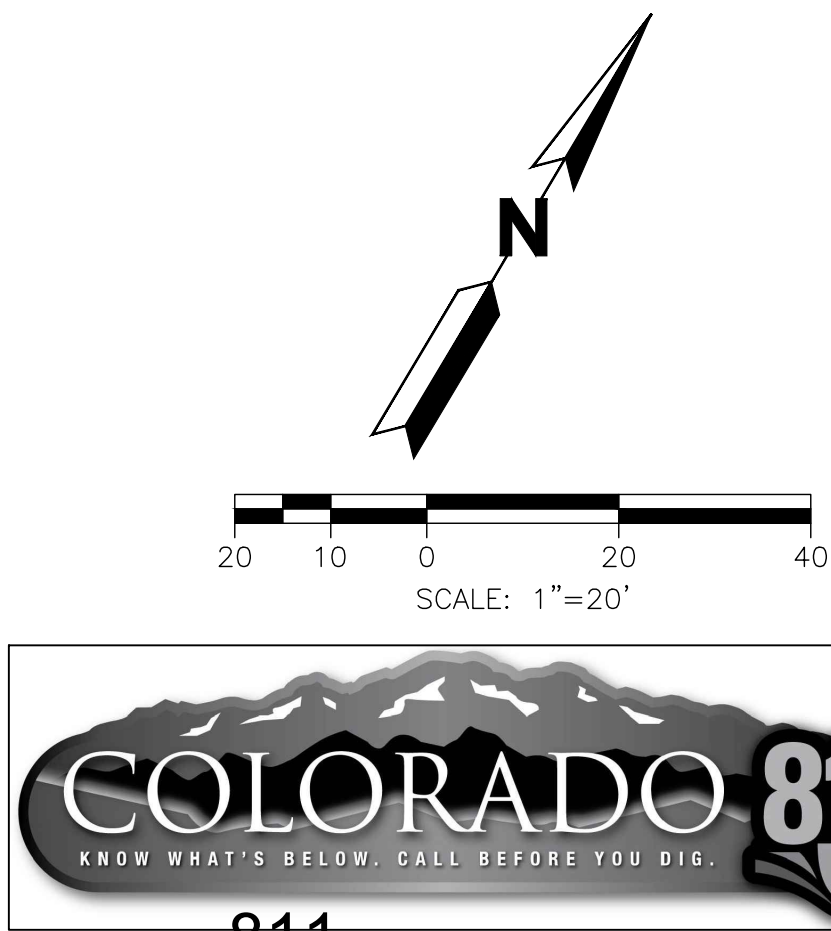
SHEET NO.  
C1.1





NOTES:

1. ITEMS NOT SPECIFICALLY IDENTIFIED FOR REMOVAL SHALL REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION.
2. FOR TREE REMOVAL, RE: LANDSCAPE.
3. REMOVE VEGETATION, THEN STRIP AND STOCKPILE TOPSOIL WITHIN PROPERTY LIMITS BUT OUTSIDE THE DRIPLINES OF ALL TREES SLATED TO REMAIN.
4. INSTALL TREE PROTECTION AND PERIMETER CONTROL BEST MANAGEMENT PRACTICES PRIOR TO COMMENCING DEMOLITION/CLEARING ACTIVITIES.
5. ALL ASPHALT SLATED FOR REMOVAL SHALL BE SAWCUT ALONG A NEAT LINE --- RIPPING ASPHALT WITH AN EXCAVATOR IS NOT ACCEPTABLE. SAWCUTS PARALLEL TO THE PATH OF VEHICULAR TRAVEL SHALL BE OUTSIDE THE WHEEL TRACKS --- EITHER CENTERED IN THE TRAVEL LANE OR ALONG THE EDGE.
6. ALL CONCRETE SLATED FOR REMOVAL SHALL BE SAWCUT ALONG THE NEAREST EXISTING JOINT.



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MIXED-USE DEVELOPMENT

263 SAWATCH DRIVE

LOT 2, 700 CHAMBERS SUBDIVISION

EAGLE, COLORADO

YARNELL CONSULTING & CIVIL DESIGN, LLC

P.O. BOX 3901 EAGLE, COLORADO 81631

(970) 323-7008

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4.	DEVELOPMENT PERMIT RESUBMITTAL	8/22/23	JY
5.	DEVELOPMENT PERMIT RESUBMITTAL	10/4/23	JY

DESIGN BY: J. YARNELL	DATE: 10/4/2023
DRAWN BY: J. YARNELL	
REVIEWED BY: J. YARNELL	
PROJECT NO.: 19.022	

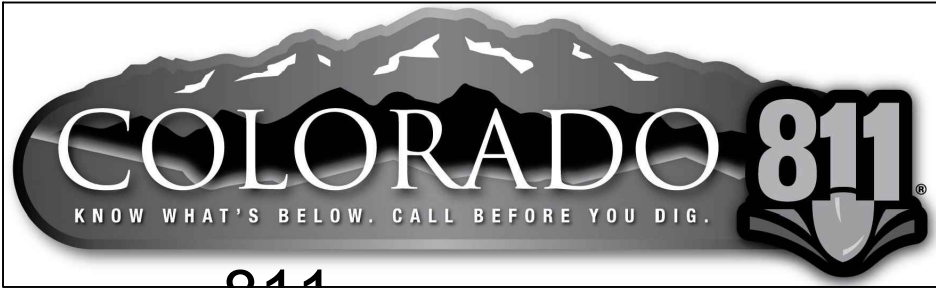
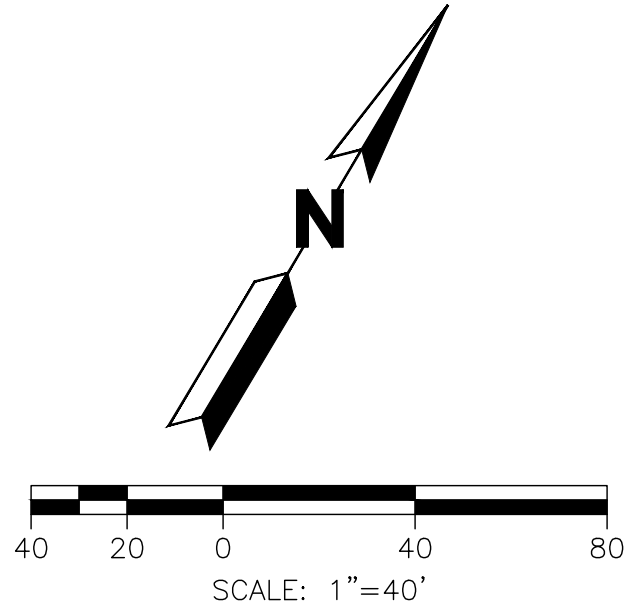
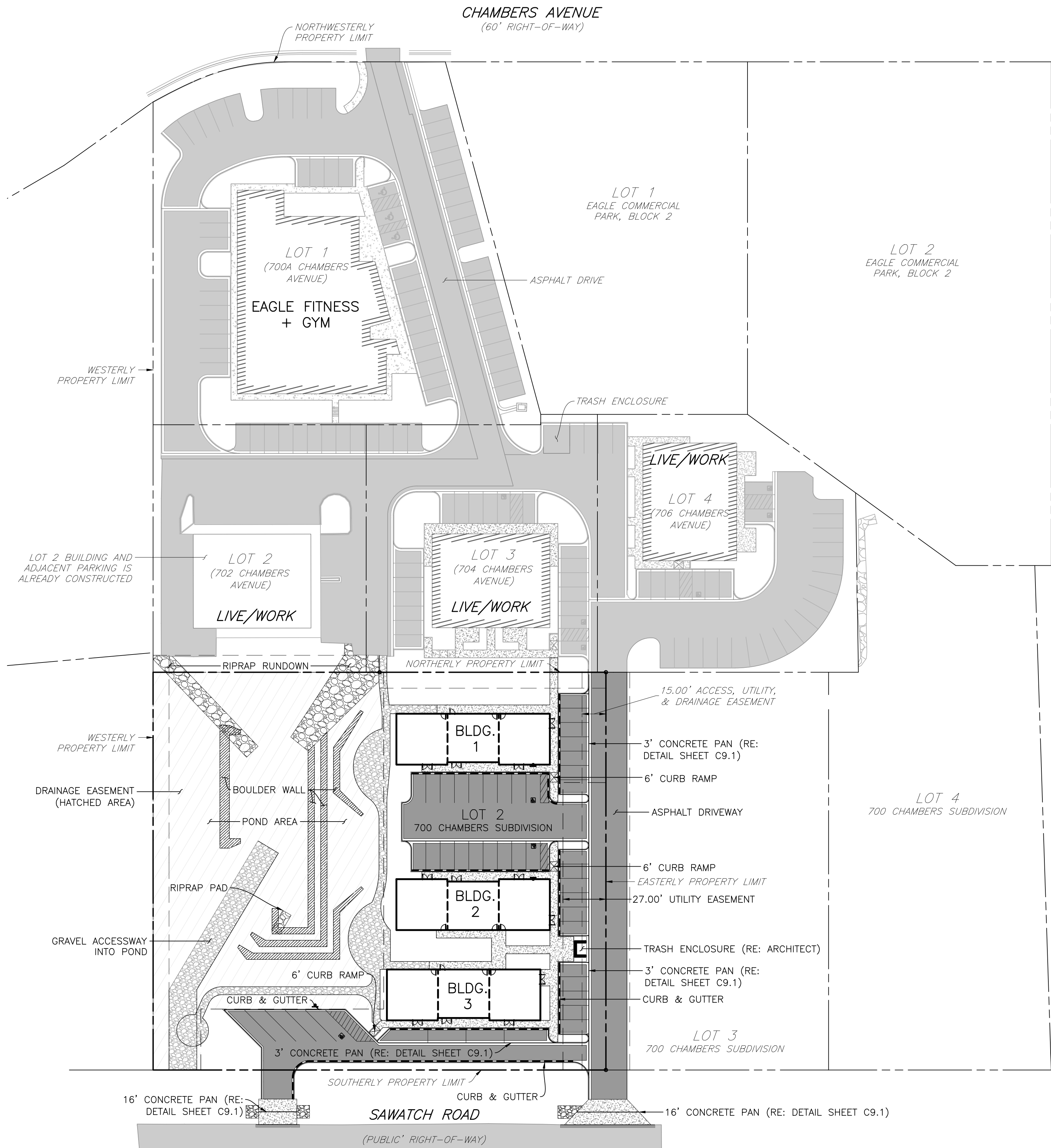
SHEET TITLE

EXISTING CONDITIONS & DEMO PLAN

SHEET NO.

C2





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5.	DEVELOPMENT PERMIT RESUBMITTAL	10/4/23	JY

DESIGN BY: J. YARNELL	DATE: 10/4/2023
DRAWN BY: J. YARNELL	
REVIEWED BY: J. YARNELL	
PROJECT NO.: 19.022	

SHEET TITLE  
SUBDIVISION  
SITE PLAN

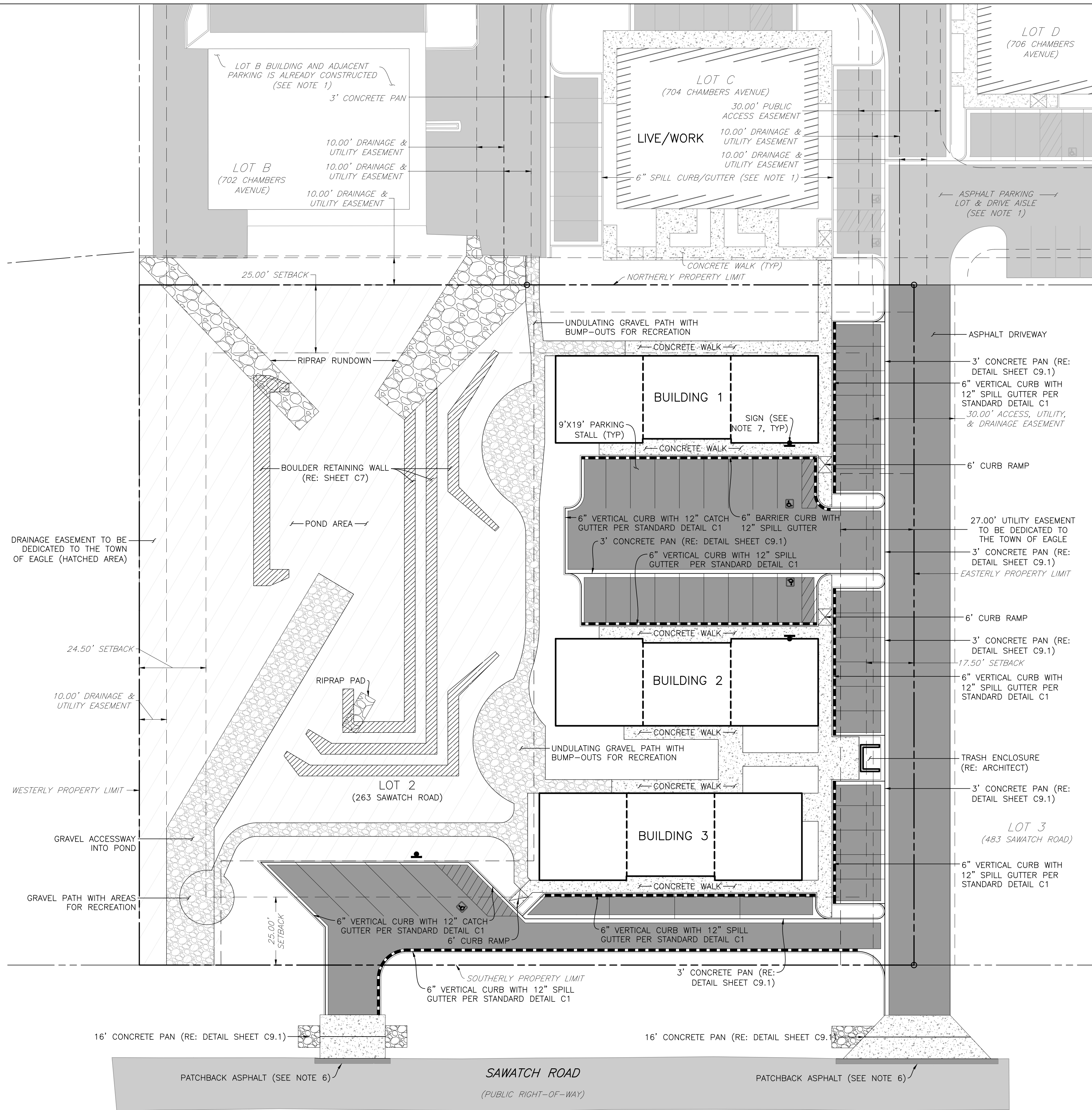
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C3.0

MIXED-USE DEVELOPMENT  
263 SAWATCH DRIVE  
LOT 2, 700 CHAMBERS SUBDIVISION  
EAGLE, COLORADO

YARNELL CONSULTING &  
CIVIL DESIGN, LLC  
P.O. BOX 3901, EAGLE, COLORADO 81631  
(970) 323-7008

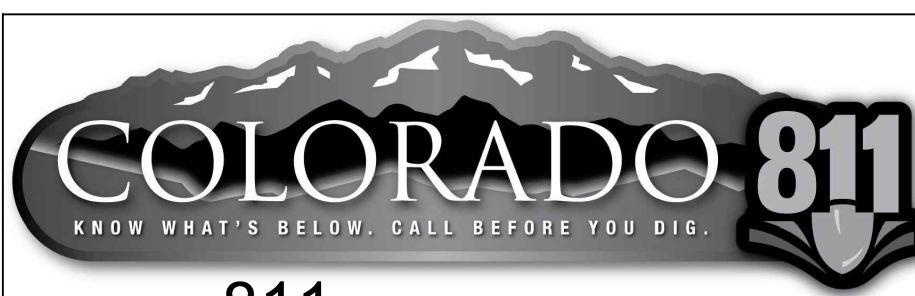
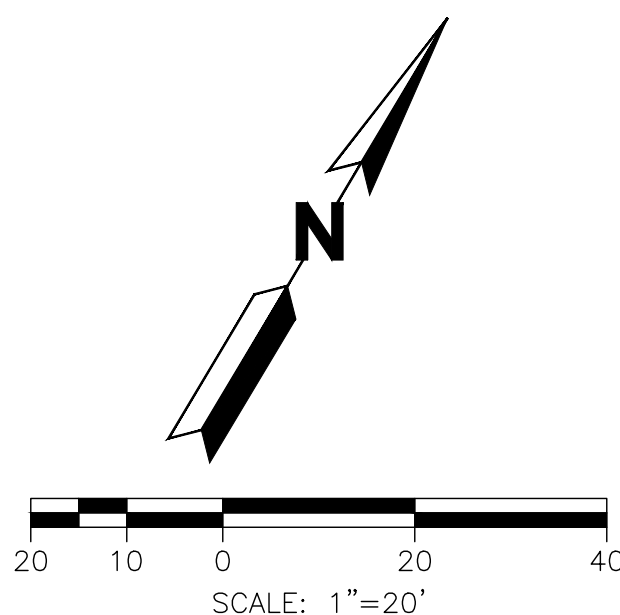


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NOTES:

- IMPROVEMENTS ON LOTS 1, 3, AND 4 ON THE 700 CHAMBERS SUBDIVISION WAS COMPLETED IN 2018 AND IS SHOWN NOW AS "EXISTING" FROM ORIGINAL DESIGN FILES BUT HAS NOT BEEN RE-SURVEYED.
- BUILDING LOCATIONS AND EXTENTS WERE PREPARED BY MARTIN I. MANLEY ARCHITECTS AND RECEIVED ELECTRONICALLY ON 26 SEPTEMBER 2023. ANY SUBSEQUENT UPDATES ARE NOT REFLECTED IN THESE DRAWINGS.
- FOR ALL LANDSCAPING DETAILS AND INFORMATION, RE: ARCHITECT.
- FOR DRIVEWAY, AND WALKWAY PAVEMENT SECTIONS, RE: GEOTECHNICAL ENGINEER.
- ALL WORK SHALL BE CONSTRAINED TO THE LIMITS OF DISTURBANCE.
- ASPHALT PATCHBACK PER THE TOWN OF EAGLE "PUBLIC WORKS MANUAL."
- THE THREE PROPOSED SIGNS ON THE PROJECT ARE SLATED TO DESIGNATE ACCESSIBLE PARKING STALLS. THE SIGNS ADJACENT TO BUILDINGS 1 AND 2 SHOULD BE MOUNTED TO THE BUILDING ITSELF. THE SIGN ADJACENT TO BUILDING 3 SHOULD BE DESIGNATED AS VAN ACCESSIBLE AND MOUNTED ON A STEEL "U" CHANNEL POST.



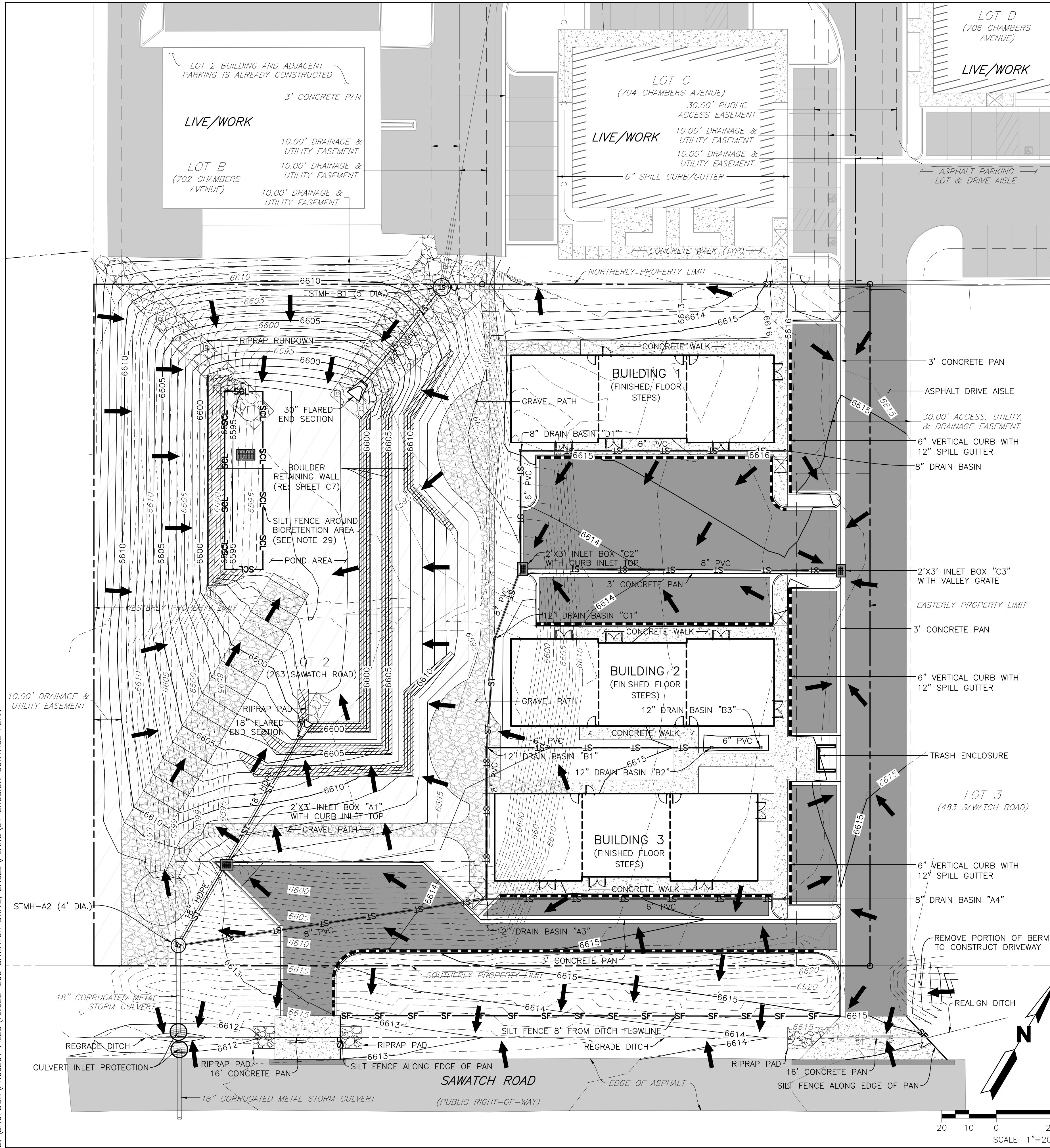
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MIXED-USE DEVELOPMENT			
263 SAWATCH DRIVE LOT 2, 700 CHAMBERS SUBDIVISION EAGLE, COLORADO			
YARNELL CONSULTING & CIVIL DESIGN, LLC P.O. BOX 3901, EAGLE, COLORADO 81631 (970) 323-7008			
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5.	DEVELOPMENT PERMIT RESUBMITTAL	J. YARNELL	10/4/23
DESIGN BY:	J. YARNELL		
DRAWN BY:	J. YARNELL		
REVIEWED BY:	J. YARNELL		
PROJECT NO.:	19.022		
DATE:	10/4/2023		
SHEET TITLE SITE PLAN			
SHEET NO. C3.1			

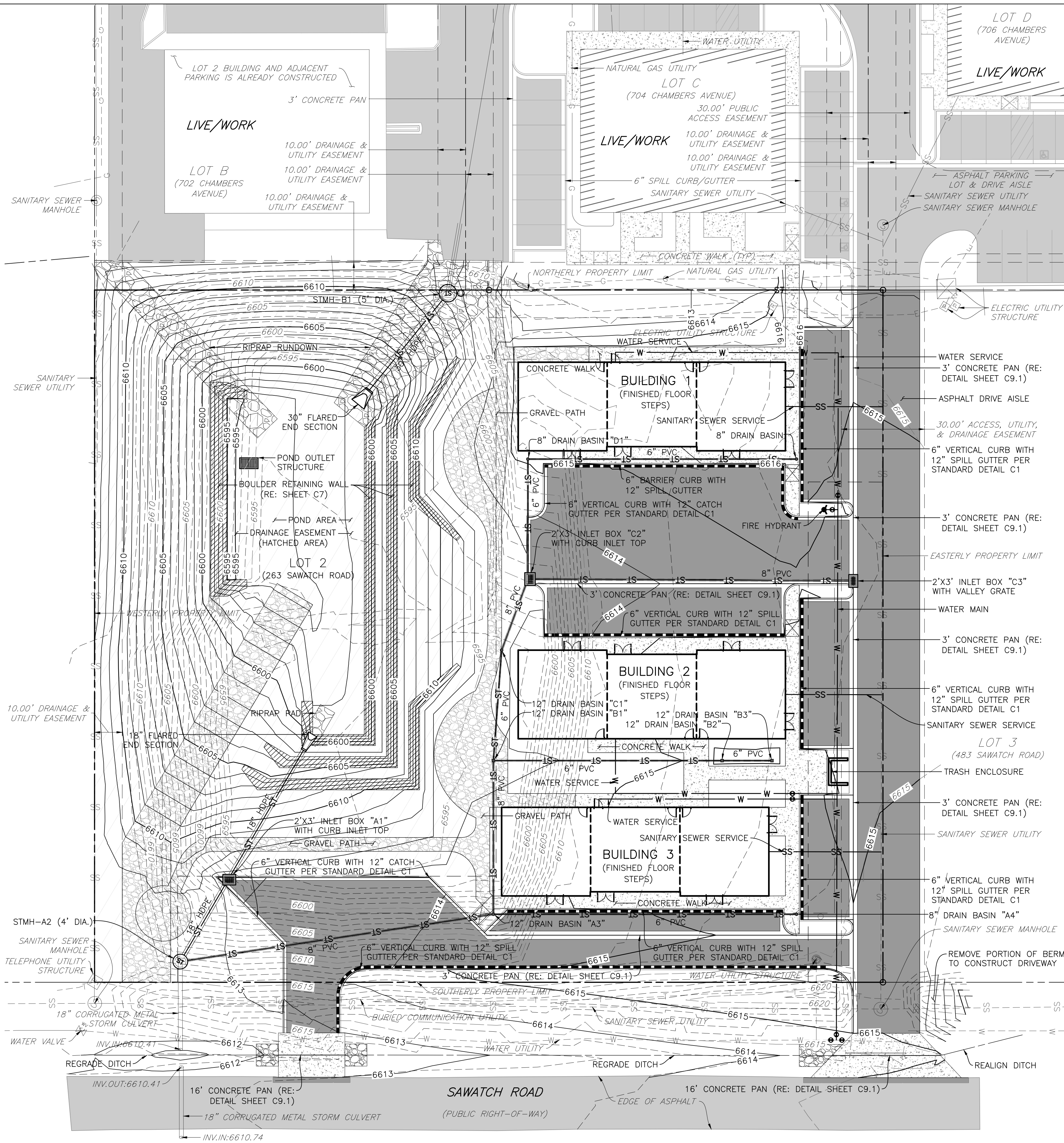


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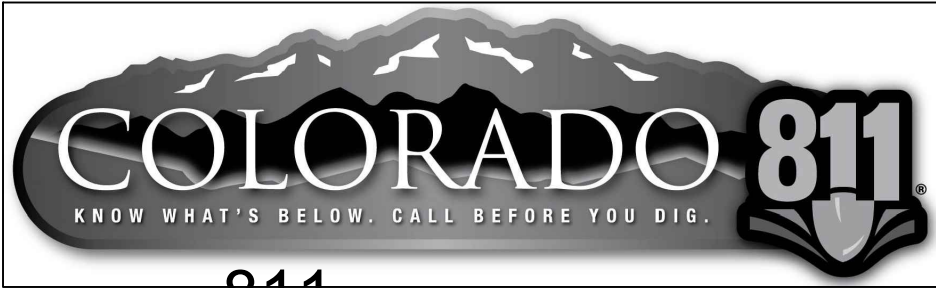
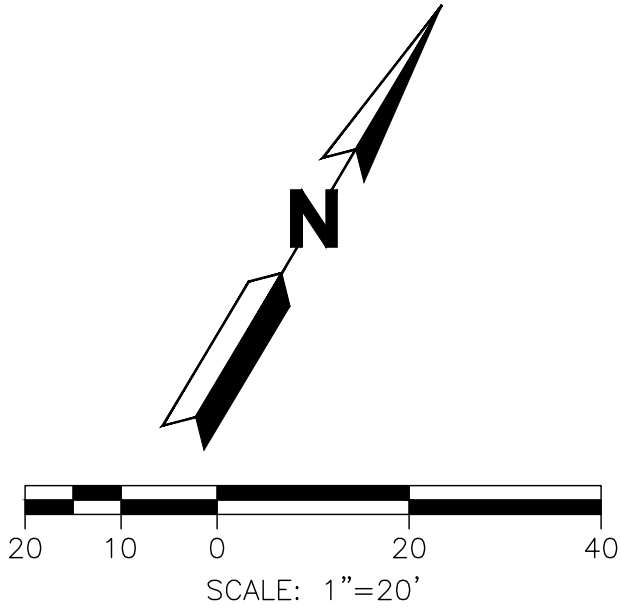


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GRADING NOTES:

- ALL SITE GRADING, EXCAVATION, EMBANKMENT, AND COMPACTION SHALL CONFORM TO THE RECOMMENDATIONS OF THE LATEST GEOTECHNICAL INVESTIGATION FOR THIS PROPERTY AND SHALL FURTHER BE IN CONFORMANCE WITH THE TOWN OF EAGLE "PUBLIC WORKS MANUAL," LATEST EDITION.
  - THE GRADING DESIGN SHOWN HEREON HAS BEEN PREPARED IN CONFORMANCE WITH THE REQUIREMENTS OF FHA AND HUD CRITERIA AND TO THE GREATEST EXTENT POSSIBLE, IN ACCORDANCE WITH THE GEOTECHNICAL REPORT RECOMMENDATIONS FOR THIS PROJECT. VARIOUS CONFLICTING DESIGN CRITERIA MAKE TOTAL COMPLIANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS DIFFICULT [ADA, SITE PLAN LAYOUT, ETC.]. THUS, THESE PLANS HAVE BEEN PROVIDED TO THE GEOTECHNICAL ENGINEER FOR REVIEW AND COMMENT RELATIVE TO COMPLIANCE WITH THEIR RECOMMENDATIONS. IF THE GEOTECHNICAL ENGINEER DETERMINES THE DESIGN MAY COMPROMISE THE ACCEPTABLE PERFORMANCE OF THE STRUCTURES AND/OR PAVEMENTS, UPON RECEIPT OF THE WRITTEN COMMENTS FROM THE GEOTECHNICAL ENGINEER, COMMENTS WILL BE DISCUSSED AND RESOLVED WITH THE OWNER AND THE GEOTECHNICAL ENGINEER, AND WILL BE ADDRESSED IN A MANNER AS DIRECTED BY THE OWNER.
  - IF THE OWNER ELECTS TO UTILIZE FOUNDATION SYSTEMS AND/OR PAVEMENT DESIGNS THAT REQUIRE SPECIAL CONSIDERATION FOR CONTROL OF SUBGRADE MOISTURE, SPECIAL PRECAUTIONS AND EXTRAORDINARY DESIGN PARAMETERS SHALL BE THE RESPONSIBILITY OF THE GEOTECHNICAL ENGINEER IN CONCERT WITH THE FOUNDATION/PAVEMENT DESIGN. IT IS ACKNOWLEDGED THAT VARIOUS FOUNDATION SYSTEMS REQUIRE DIFFERENT LEVELS OF SUBGRADE PREPARATION, DRAINAGE DESIGNS, AND/OR SUBSURFACE DRAINAGE CRITERIA THAT ARE BEYOND THE PURVIEW AND RESPONSIBILITY OF YARNELL CONSULTING & CIVIL DESIGN, LLC, AND THE GRADING PLANS SHOWN HEREON. THE INCORPORATION AND EXECUTION OF THESE SPECIAL PRECAUTIONS SHALL OCCUR IN CLOSE COORDINATION WITH THE GEOTECHNICAL ENGINEER'S DESIGN AND CONSTRUCTION OBSERVATIONS.
  - GRADING SHOWN HEREON IS DESIGNED TO ADDRESS PROPER DRAINAGE CONSIDERATIONS FOR THE PROTECTION OF THE STRUCTURES AND IMPROVEMENTS WITHIN THE PROJECT. THE COORDINATION OF THIS DESIGN AND COMPLIANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATION WITH THE LANDSCAPE ARCHITECT'S DESIGN, IS THE RESPONSIBILITY OF THE OWNER AND/OR DEVELOPER. YARNELL CONSULTING & CIVIL DESIGN, LLC HIGHLY RECOMMENDS THAT THE LANDSCAPE IMPROVEMENTS BE REVIEWED AND APPROVED FOR COMPLIANCE WITH RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER.
  - EXISTING ELEVATIONS SHOWN ON THIS DRAWING HAVE BEEN DEPICTED FROM BEST AVAILABLE INFORMATION AND ARE SHOWN TO THE EXTENT KNOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING GRADE CONDITIONS AT THE LIMITS OF CONSTRUCTION AND AT LOCATIONS THAT INTERFACE WITH EXISTING OR PROPOSED BUILDINGS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES THAT CONTRADICT THE ENGINEER'S INTENT FOR DRAINAGE PATTERNS, MAXIMUM AND MINIMUM SLOPES, AND PROPOSED ELEVATIONS AS SHOWN ON THE PLAN. THE ENGINEER WILL NOT BE LIABLE FOR ANY COSTS ASSOCIATED WITH CHANGES TO THE DESIGN WITHOUT PROPER NOTIFICATION.
  - PROPOSED CONTOURS AND SPOT ELEVATIONS AS SHOWN HEREIN ARE DEFINED AS FINISHED ELEVATION AFTER PAVING, LANDSCAPING, ETC. CONTRACTOR SHALL COORDINATE WITH GEOTECH FOR PAVEMENT THICKNESS AND LANDSCAPE FOR THICKNESS OF TOPSOIL, SOD AND LANDSCAPE MATERIALS.
- FG = FINISHED GRADE, FF = FINISH FLOOR, TOF = TOP OF FOUNDATION, HP = HIGH POINT, LP = LOW POINT, TOW = TOP OF WALL, FGW = FINISHED GRADE AT WALL [FRONT OR REAR], GB = GRADE BREAK, FL = FLOWLINE, TBC = TOP BACK OF CURB.
- UNLESS SPECIFICALLY NOTED OTHERWISE, ALL WALKWAYS SHALL BE CONSTRUCTED WITH AN ABSOLUTE MAXIMUM CROSS SLOPE OF 1.8% AND RUNNING SLOPE OF 4.9%.
  - POSITIVE DRAINAGE MUST BE PROVIDED FROM ALL STRUCTURES. UNLESS SPECIFICALLY NOTED OTHERWISE, ENSURE 2.0% ON HARDSCAPE AND 10:1 [H:V] FOR 10 FEET ON SOFTSCAPE.
  - ALL ISLANDS ARE TO BE GRADED SUCH THAT THERE IS A POSITIVE DRAINAGE TO ADJACENT CURB AND GUTTER.
  - TEMPORARY CUT/FILL SLOPES SHALL NOT EXCEED A STEEPNESS OF 1:1 (H:V). PERMANENT SLOPES SHALL NOT EXCEED 3:1 (H:V) [UNLESS NOTED OTHERWISE] IN AREAS TO BE SEEDED OR SODDED.
  - CONTRACTOR SHALL ADJUST ALL EXISTING AND PROPOSED MANHOLE RIMS, VALVE BOXES, ETC. TO MATCH FINAL GRADE.



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MIXED-USE DEVELOPMENT

263 SAWATCH DRIVE

LOT 2, 700 CHAMBERS SUBDIVISION

EAGLE, COLORADO

YARNELL CONSULTING & CIVIL DESIGN, LLC

P.O. BOX 3901, EAGLE, COLORADO 81631

(970) 323-7008

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5.	DEVELOPMENT PERMIT RESUBMITAL	J. YARNELL	10/4/23

DESIGN BY: J. YARNELL

DRAWN BY: J. YARNELL

REVIEWED BY: J. YARNELL

PROJECT NO: 19.022

DATE: 10/4/2023

SHEET TITLE

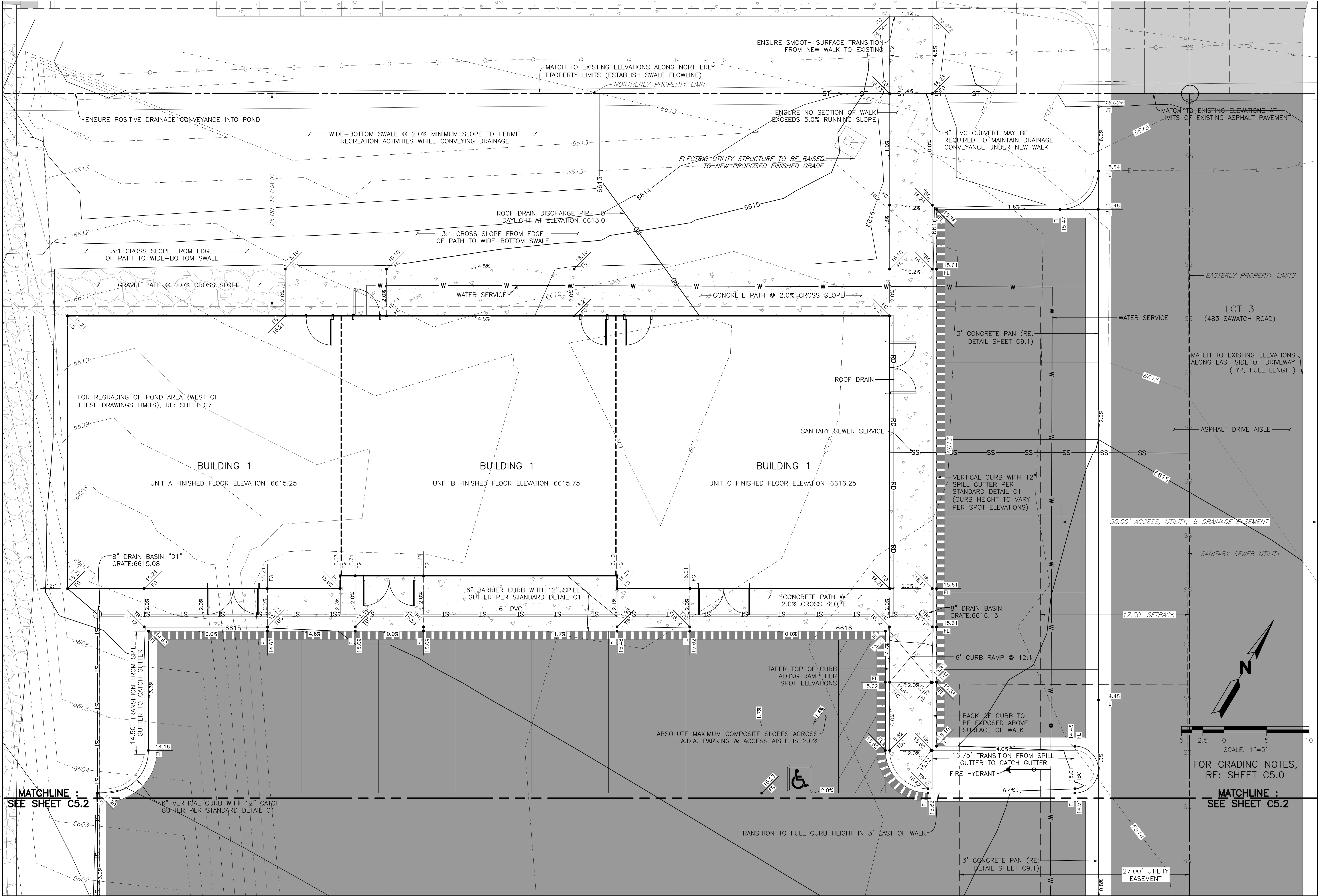
OVERALL GRADING PLAN

SHEET NO.

C5.0



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DESIGN BY: J. YARNELL		NO. 1. SCHEMATIC DESIGN (NO CONST.)		NAME	DATE
DRAWN BY: J. YARNELL		2. DEVELOPMENT PERMIT SUBMISSION			4/29/23
REVIEWED BY: J. YARNELL		3. GRADING PERMIT SUBMITTAL			5/24/23
PROJECT NO: 19.022		4. DEVELOPMENT PERMIT RESUBMITTAL			5/24/23
DATE: 10/4/2023		5. DEVELOPMENT PERMIT RESUBMITTAL			8/22/23
					10/4/23

SHEET TITLE	
DETAILED GRADING PLAN (BLDG. 1)	
SHEET NO. C5.1	

MIXED-USE DEVELOPMENT

263 SAWATCH DRIVE  
LOT 2, 700 CHAMBERS SUBDIVISION  
EAGLE, COLORADO

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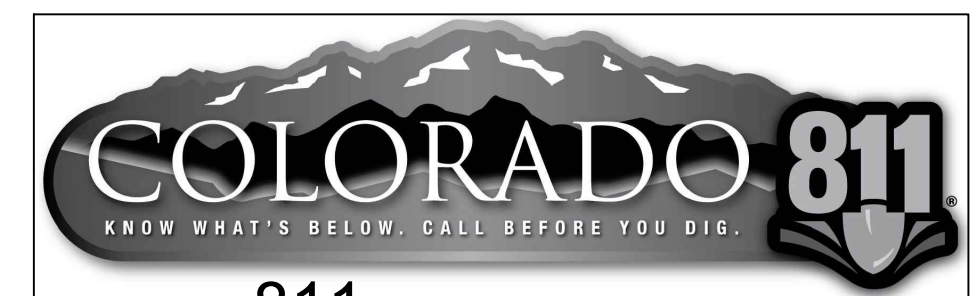
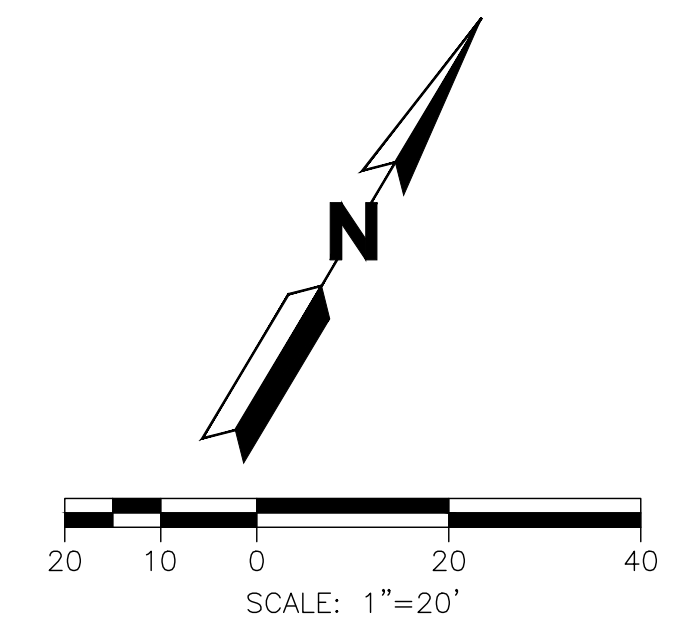
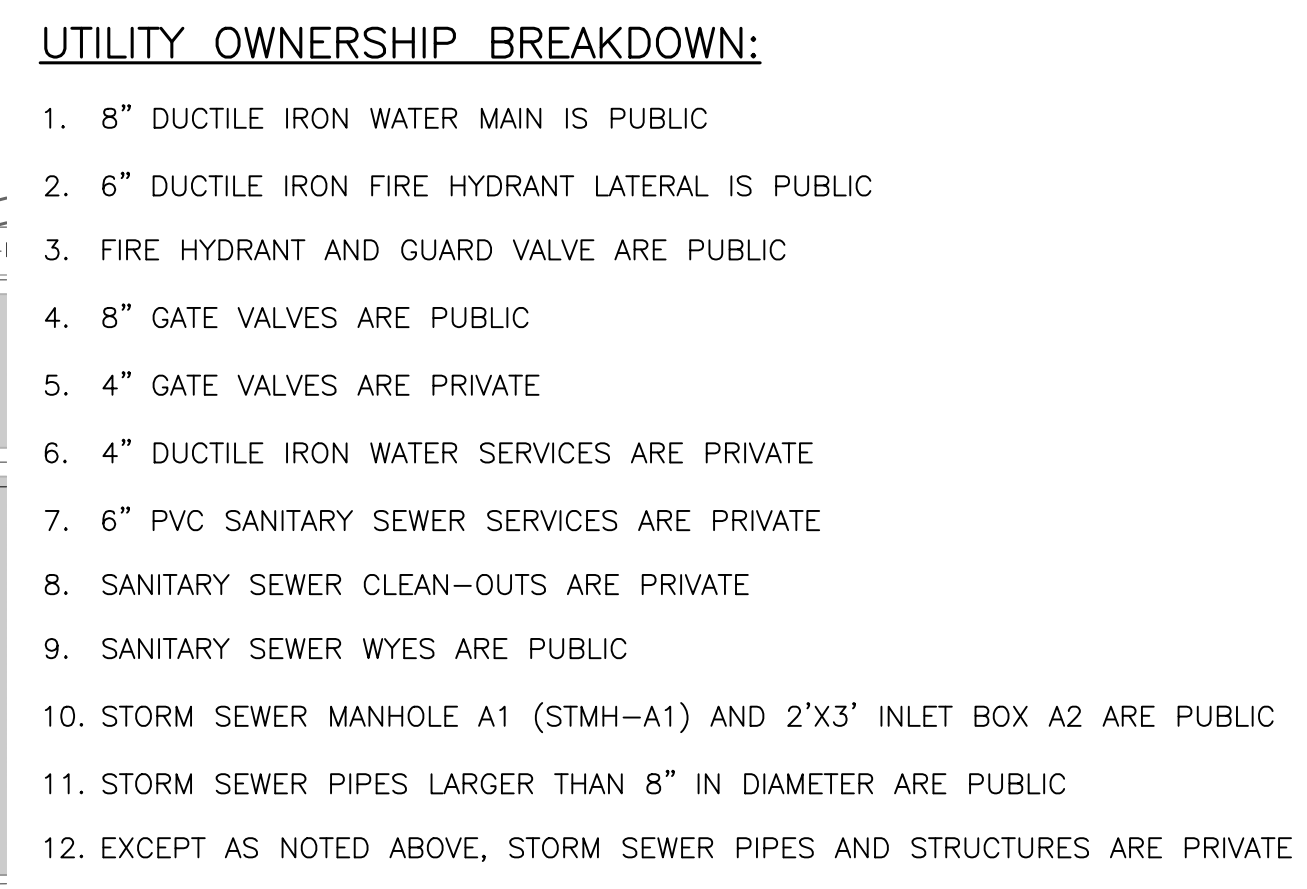
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		4.	DEVELOPMENT PERMIT RESUBMITTAL	8/22/23	JYY
PROJECT NO.:	19 022	5.	DEVELOPMENT PERMIT RESUBMITTAL	10/4/23	JYY
DATE:	10/04/2023				

SHEET TITLE  
OVERALL UTILITY  
PLAN

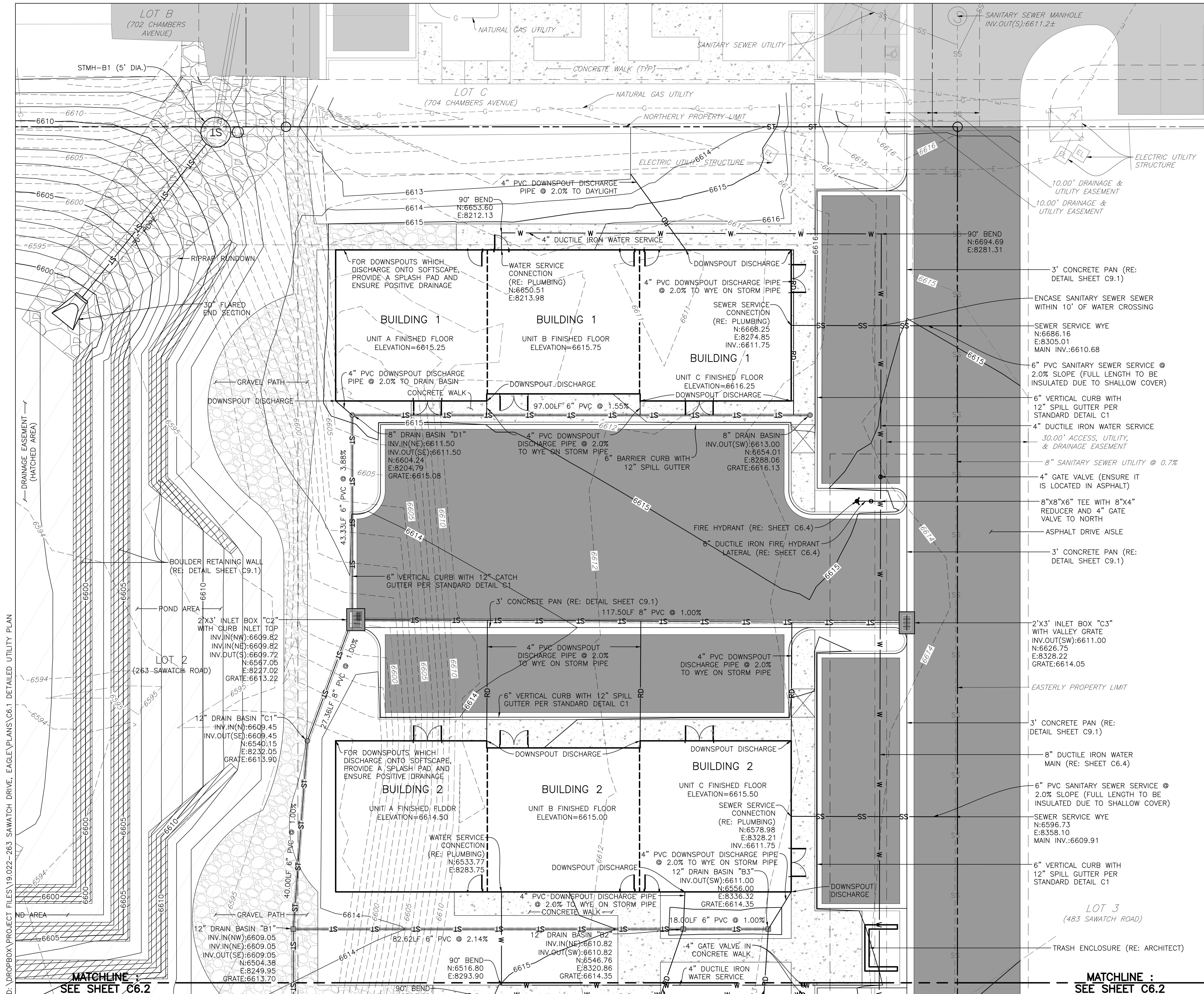
SHEET NO.  
C6.0



CALL **811** 2-BUSINESS DAYS IN ADVANCE  
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FOR UTILITY NOTES, RE: SHEET C6.3

MIXED-USE DEVELOPMENT  
263 SAWATCH DRIVE  
LOT 2, 700 CHAMBERS SUBDIVISION  
EAGLE, COLORADO

**YARNELL CONSULTING &  
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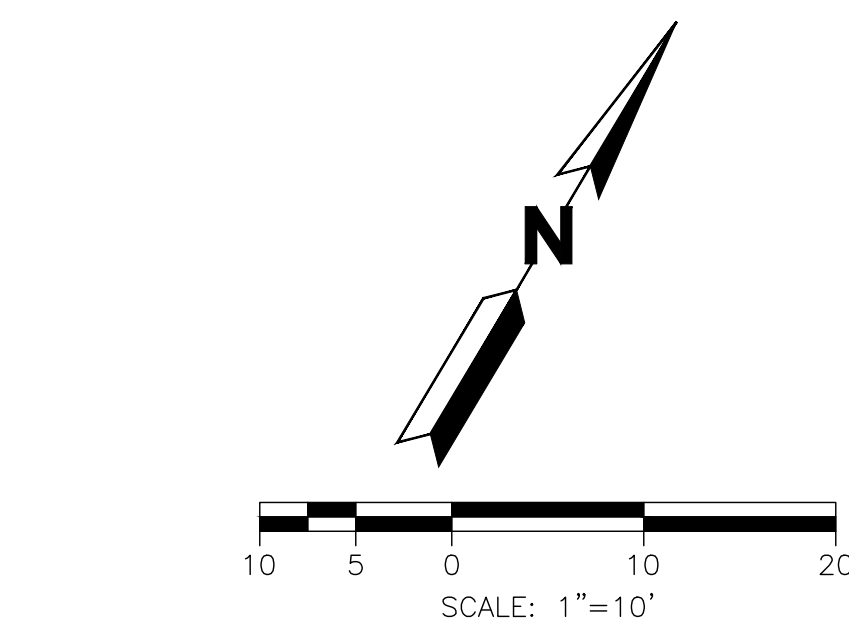
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		4.	DEVELOPMENT PERMIT RESUBMITTAL	8/22/23	JYJ
		5.	DEVELOPMENT PERMIT RESUBMITTAL	10/14/23	JYJ
PROJECT NO.:	104/2022				

SHEET TITLE

DETAILED  
UTILITY PLAN

SHEET NO.

C6.1

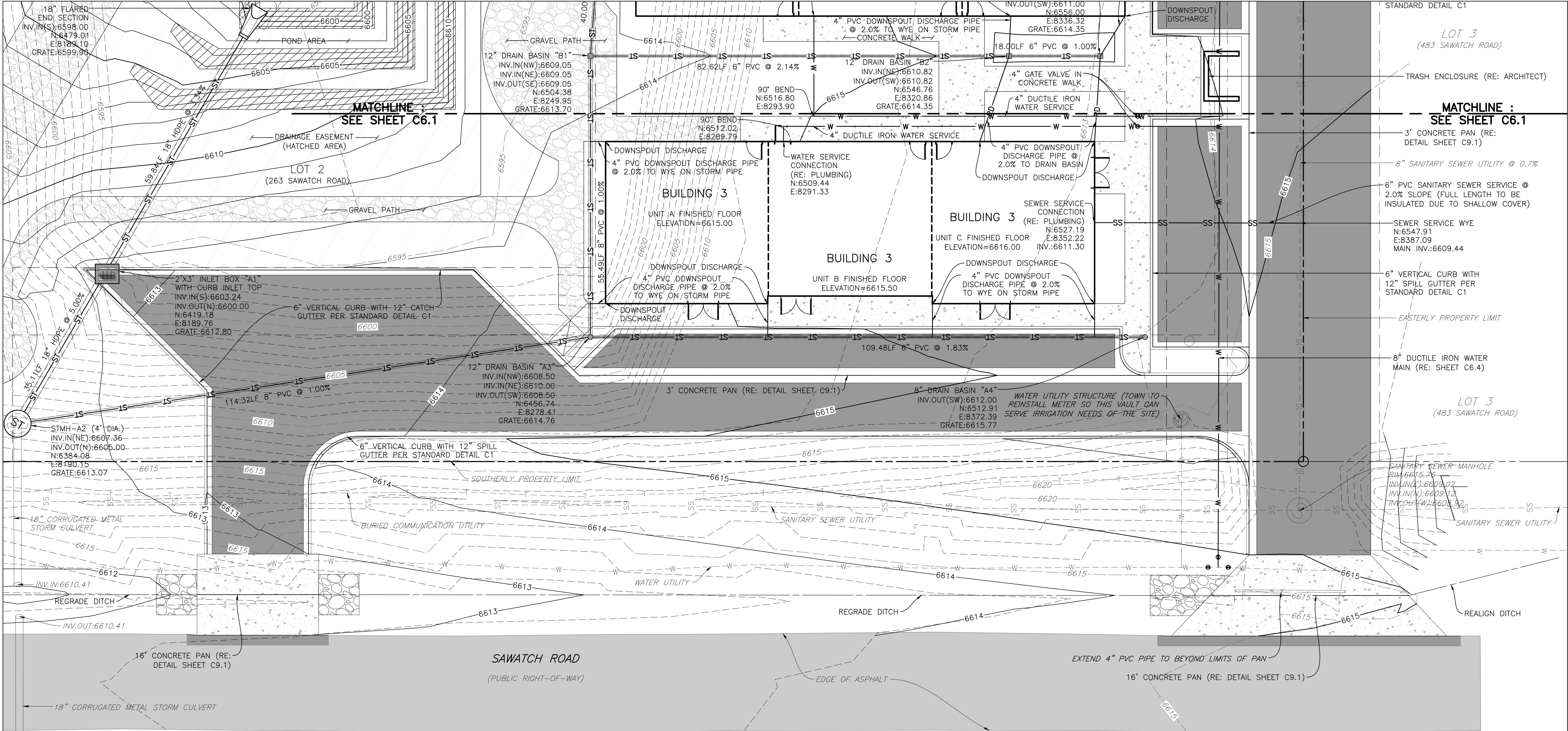


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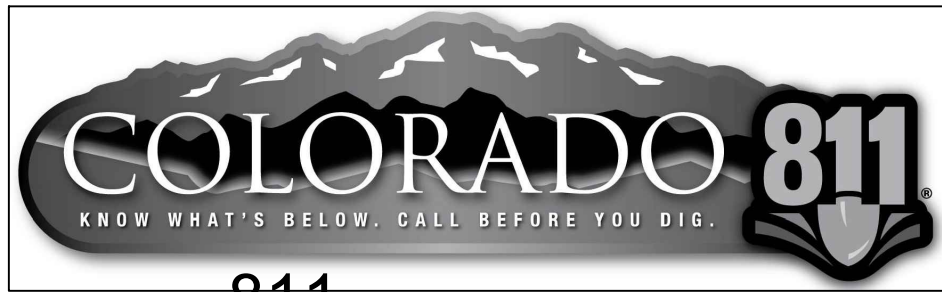
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FOR UTILITY NOTES, RE: SHEET C6.3



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MIXED-USE DEVELOPMENT

263 SAWATCH DRIVE  
LOT 2, 700 CHAMBERS SUBDIVISION  
EAGLE, COLORADO

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NO.	ISSUE / REVISION	NAME	DATE
1.	SCHEMATIC DESIGN (NO CONST.)	J. YARNELL	4/29/23
2.	DEVELOPMENT PERMIT SUBMISSION	J. YARNELL	5/24/23
3.	GRADING PERMIT SUBMITTAL	J. YARNELL	5/24/23
4.	DEVELOPMENT PERMIT RESUBMITTAL	J. YARNELL	8/22/23
5.	DEVELOPMENT PERMIT RESUBMITTAL	J. YARNELL	10/4/23

DESIGN BY: J. YARNELL  
DRAWN BY: J. YARNELL  
REVIEWED BY: J. YARNELL  
PROJECT NO.: 19.022  
DATE: 10/4/2023

SHEET TITLE  
DETAILED  
UTILITY PLAN

SHEET NO.  
C6.2



D:\DROPBOX\PROJECT FILES\19.022--263 SAWATCH DRIVE, EAGLE\PLANS\C6.1 DETAILED UTILITY PLAN

UTILITY LOCATION NOTES:

1. THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO [UNCC] AT 1-800-922-1087, AT LEAST 48 HOURS PRIOR TO CONSTRUCTION TO HAVE ALL REGISTERED UTILITY LOCATIONS MARKED. OTHER UNREGISTERED UTILITY ENTITIES ARE TO BE LOCATED BY CONTACTING THE RESPECTIVE REPRESENTATIVE. UTILITY SERVICE LATERALS ARE ALSO TO BE LOCATED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL FIELD VERIFY SIZE, AND HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING FACILITIES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER, UTILITY PROVIDER(S), AND TOWN OF EAGLE PUBLIC WORKS INSPECTOR OF ANY DISCREPANCIES.
2. YARNELL CONSULTING & CIVIL DESIGN, LLC (YCCD) ASSUMES NO RESPONSIBILITY FOR UTILITY LOCATIONS. THE UTILITIES SHOWN ON THESE PLANS HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. IT IS HOWEVER, THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION, [HORIZONTAL AND VERTICAL] OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION AND NOTIFY THE ENGINEER, UTILITY PROVIDER(S), AND TOWN OF EAGLE PUBLIC WORKS INSPECTOR OF ANY DISCREPANCIES.
3. IN ACCORDANCE WITH NEW REGULATIONS, ALL UTILITIES CONSTRUCTED AFTER JANUARY 01, 2019 SHALL BE EQUIPPED WITH 10-GAUGE (MINIMUM) TRACER WIRE TAPED TO THE TOP OF THE PIPE.

DRY UTILITY GENERAL NOTES:

1. ALL BENDS SHALL BE SWEEPING.
2. FOR FINISHED GRADE AT PAD/PEDESTAL LOCATIONS, RE: DETAILED GRADING PLANS. RAISE PAD ELEVATION TO MEET JURISDICTIONAL STANDARD.

ELECTRIC NOTES:

1. ELECTRIC DESIGN IS BY OTHERS. INTENT OF UTILITY PLAN(S) IS TO SHOW CONDUIT ROUTING AND EQUIPMENT PLACEMENT ON THE SITE FOR COORDINATION PURPOSES.
2. ALL CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH HOLY CROSS ENERGY CONSTRUCTION STANDARDS (LATEST EDITION).
3. INDIVIDUAL CONDUITS SHALL BE PROVIDED BETWEEN THE TRANSFORMER AND EACH UNIT.
4. ALL ELECTRIC CONDUITS SHALL BE 4" PVC.

FIBER OPTIC (F.O.) / TELEPHONE NOTES:

1. COMMUNICATION DESIGN IS BY OTHERS. INTENT OF UTILITY PLANS IS TO SHOW CONDUIT ROUTING AND EQUIPMENT PLACEMENT ON THE SITE FOR COORDINATION PURPOSES.
2. ALL CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH LUMEN CONSTRUCTION STANDARDS (LATEST EDITION).

CABLE TELEVISION NOTES:

1. CABLE TELEVISION DESIGN IS BY OTHERS. INTENT OF UTILITY PLANS IS TO SHOW CONDUIT ROUTING AND EQUIPMENT PLACEMENT ON THE SITE FOR COORDINATION PURPOSES.
2. ALL CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH COMCAST CONSTRUCTION STANDARDS (LATEST EDITION).

NATURAL GAS NOTES:

1. NO NATURAL GAS UTILITIES ARE PROPOSED ON THE PROJECT.

SANITARY SEWER NOTES:

1. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF EAGLE "PUBLIC WORKS MANUAL" [LATEST REVISION]. ALL SANITARY SEWER CONSTRUCTION SHALL BE INSPECTED BY A TOWN OF EAGLE PUBLIC WORKS INSPECTOR.
2. ALL SANITARY SEWER LINES SHALL BE CLASS 150 C900 POLYVINYL CHLORIDE [PVC] PIPE IN ACCORDANCE WITH ASTM D-2241.
3. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING SEWER POINTS OF CONNECTION PRIOR TO CONSTRUCTION OF ANY PROPOSED SEWER.
4. ALL SANITARY SEWER TESTING SHALL BE DONE IN ACCORDANCE WITH THE TOWN OF EAGLE "PUBLIC WORKS MANUAL" [LATEST REVISION].
5. THE ENGINEER, OWNER, AND TOWN OF EAGLE PUBLIC WORKS INSPECTOR SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF ANY PLANNED CONSTRUCTION.
6. MAINTAIN A MINIMUM OF TEN [10] FEET HORIZONTAL SEPARATION BETWEEN THE OUTSIDE OF ALL SANITARY SEWER AND WATER MAINS AND SERVICES.
7. DISTANCES FOR SANITARY SEWER ARE THE HORIZONTAL DISTANCES BETWEEN THE CENTER OF STRUCTURES. THEREFORE, DISTANCES SHOWN ON PLANS ARE APPROXIMATE AND COULD VARY DUE TO VERTICAL ALIGNMENT AND STRUCTURE WIDTHS.
8. CONTRACTOR TO COORDINATE HORIZONTAL AND VERTICAL LOCATIONS OF UTILITY SERVICE CONNECTIONS TO BUILDING WITH MECHANICAL/PLUMBING PLANS PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ALL SANITARY SEWERS SHALL BE BED PER THE TOWN OF EAGLE'S STANDARD TRENCHING AND BACKFILL DETAIL.
10. NO BACKFILL MATERIAL SHALL BE PLACED ABOVE THE SPRINGLINE OF THE PIPE UNTIL A TOWN OF EAGLE PUBLIC WORKS INSPECTOR HAS AUTHORIZED BACKFILLING. IT SHALL BE THE DUTY OF THE CONTRACTOR TO NOTIFY THE TOWN OF EAGLE PUBLIC WORKS INSPECTOR 48 HOURS IN ADVANCE OF PROPOSED BACKFILL OPERATIONS SO A TOWN OF EAGLE PUBLIC WORKS INSPECTOR MAY INSPECT THE PIPE AND THE BEDDING PRIOR TO BACKFILLING.
11. ALL SANITARY SEWER PIPES SHALL BE INSTALLED WITH INSULATED NO. 12 TYPE UF TAPED ON TOP OF PIPE AS A TRACER WIRE. TRACER WIRE IS TO BE LOOPED UP TO EACH STRUCTURE (MANHOLES AND/OR CLEANOUTS, AS APPLICABLE). A CATHODIC PROTECTION BOX IS TO BE SET ON THE RIGHT HAND SIDE OF EACH STRUCTURE. THE BOX SHALL HAVE A CAST IRON LOCKING LID WITH A THREE AND ONE-HALF INCH [3-1/2" DIAMETER, EIGHTEEN INCH [18"] LONG PVC BODY. THE CAP WILL NEED A TWO-WIRE CONNECTION POST AS A MINIMUM.
12. CONTRACTOR SHALL IMMEDIATELY REMOVE DEBRIS DEPOSITED INTO PUBLIC MANHOLES AND OTHER PUBLIC STRUCTURES TO ELIMINATE THE POSSIBILITY OF PROPERTY DAMAGE DUE TO THE DEBRIS CAUSING BACKUP INTO PRIVATE PROPERTIES. IF IT IS DETERMINED THAT DEBRIS CAUSED A BACKUP, THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR DAMAGES.
13. NO TREES SHALL BE PLANTED WITHIN ANY SEWER EASEMENT OR WITHIN TEN [10] FEET OF ANY PUBLIC MANHOLES, OR PIPES.

STORM SEWER NOTES:

1. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF EAGLE "PUBLIC WORKS MANUAL" [LATEST REVISION]. ALL STORM SEWER CONSTRUCTION SHALL BE INSPECTED BY A TOWN OF EAGLE PUBLIC WORKS INSPECTOR.
2. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING STORM SEWER POINTS OF CONNECTION PRIOR TO CONSTRUCTION OF ANY PROPOSED STORM SEWER.
3. ALL STORM SEWER LINES 12 INCHES IN SIZE AND GREATER SHALL BE HIGH-DENSITY POLYETHYLENE (HDPE) IN ACCORDANCE WITH ASTM F-405.
4. ALL STORM SEWER LINES LESS THAN 12 INCHES IN SIZE SHALL BE SDR-35 POLYVINYL CHLORIDE [PVC] PIPE IN ACCORDANCE WITH ASTM D-3034.
5. ALL STORM SEWER PIPE JOINTS SHALL BE BELL AND SPIGOT TYPE, INSTALLED WITH AN APPROVED RUBBER GASKET O-RING OR PROFILE TYPE GASKET SO AS TO BE WATER-TIGHT.
6. DISTANCES FOR STORM SEWER PIPE ARE THE HORIZONTAL DISTANCES BETWEEN CENTER OF STRUCTURES. THEREFORE, DISTANCES SHOWN ON PLANS ARE APPROXIMATE AND COULD VARY DUE TO VERTICAL ALIGNMENT AND STRUCTURE WIDTHS.
7. WHERE APPLICABLE, DISTANCES FOR STORM SEWER PIPE INCLUDE THE LENGTH OF THE FLARED END SECTION.
8. ALL STORM SEWER PIPES SHALL BE INSTALLED WITH INSULATED NO. 12 TYPE UF TAPED ON TOP OF PIPE AS A TRACER WIRE. TRACER WIRE IS TO BE LOOPED UP TO EACH STRUCTURE (INLETS, OUTLETS, MANHOLES AND/OR CLEANOUTS, AS APPLICABLE). A CATHODIC PROTECTION BOX IS TO BE SET ON THE RIGHT HAND SIDE OF EACH STRUCTURE. THE BOX SHALL HAVE A CAST IRON LOCKING LID WITH A THREE AND ONE-HALF INCH [3-1/2" DIAMETER, EIGHTEEN INCH [18"] LONG PVC BODY. THE CAP WILL NEED A TWO-WIRE CONNECTION POST AS A MINIMUM.
9. MANHOLES, BARRELS, CONES, AND COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) INLETS SHALL BE CONSTRUCTED OF PRECAST CONCRETE. CAST-IN-PLACE STRUCTURES SHALL NOT BE ALLOWED.
10. PRECAST MANHOLES AND RISERS SHALL BE MANUFACTURED IN CONFORMITY WITH ASTM DESIGNATION C-478. ALL CONES SHALL BE ECCENTRIC, EXCEPT FOR MANHOLE DEPTHS SIX [6] FEET OR LESS WHEN A FLAT TOP SECTION SHALL BE USED.
11. DRAIN BASINS SHALL BE AS MANUFACTURED BY NYLOPLAST, OR APPROVED EQUAL. INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED DOCUMENTATION.
12. ALL STORM SEWERS SHALL BE BED PER THE TOWN OF EAGLE'S STANDARD TRENCHING AND BACKFILL DETAIL.
13. THE FLEXIBLE PLASTIC JOINT SEALING COMPOUND WITHIN PRECAST STRUCTURES SHALL BE "RAMNEK" RUBBERNECK OR APPROVED EQUAL.
14. CONTRACTOR SHALL IMMEDIATELY REMOVE DEBRIS DEPOSITED INTO PUBLIC MANHOLES AND OTHER PUBLIC STRUCTURES TO ELIMINATE THE POSSIBILITY OF PROPERTY DAMAGE DUE TO THE DEBRIS CAUSING BACKUP INTO PRIVATE PROPERTIES. IF IT IS DETERMINED THAT DEBRIS CAUSED A BACKUP, THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR DAMAGES.
15. NO TREES SHALL BE PLANTED WITHIN ANY UTILITY EASEMENT OR WITHIN TEN [10] FEET OF ANY PUBLIC MANHOLES, PIPES OR INLETS.
16. RIM ELEVATIONS SHOWN ARE APPROXIMATE ONLY AND ARE NOT TO BE TAKEN AS FINAL ELEVATIONS. CONTRACTOR SHALL USE PRECAST CONCRETE ADJUSTMENT RINGS TO ADJUST THE MANHOLE FRAME TO THE REQUIRED FINAL GRADE, SUCH THAT THERE IS NO MORE THAN EIGHTEEN [18] INCHES FROM FINISHED GRADE TO THE TOP OF THE CONE SECTION. THE RIM SHALL BE LEFT 1/8-INCH TO 1/4-INCH BELOW FINISHED ASPHALT.
17. COORDINATES FOR AREA INLETS ARE AT CENTER OF INLET. COORDINATES FOR FLARED END SECTIONS ARE AT CENTER OF FLARED END.
18. SLOPE OF INLET FLOW LINE OR GRATE TO MATCH STREET GRADE UNLESS INLET IS AT A SUMP LOCATION.
19. CONTRACTOR TO COORDINATE HORIZONTAL AND VERTICAL LOCATIONS OF ROOF DRAIN SERVICES AND DOWNSPOUTS WITH PLUMBING AND ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES.
20. FOR ANY INFILTRATION SYSTEMS PROPOSED AS PART OF THE PROJECT, CONTRACTOR SHALL ENGAGE THE PROJECT'S GEOTECHNICAL ENGINEER TO PERFORM AN OPEN HOLE INSPECTION AND ENSURE THE INFILTRATION RATE IS NO LESS THAN 5 MINUTES / INCH. THE ENGINEER SHOULD BE NOTIFIED IMMEDIATELY OF TEST RESULTS.

WATER NOTES:

1. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF EAGLE "PUBLIC WORKS MANUAL" [LATEST REVISION]. ALL WATER UTILITY CONSTRUCTION SHALL BE INSPECTED BY A TOWN OF EAGLE PUBLIC WORKS INSPECTOR.
2. ALL WATER UTILITY CONSTRUCTION SHALL BE PERFORMED BY A CONTRACTOR LICENSED IN THE TOWN OF EAGLE. THE ENGINEER, OWNER AND TOWN OF EAGLE PUBLIC WORKS INSPECTOR SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF ANY PLANNED CONSTRUCTION.
3. ALL WATER MAINS, FIRE HYDRANT LATERALS, AND SERVICES FOUR [4] INCHES IN SIZE AND GREATER SHALL BE DUCTILE IRON, MANUFACTURED IN ACCORDANCE WITH AWWA STANDARD C151, CLASS 52, WITH BITUMINOUS OUTSIDE COATING (ONE MIL THICK) AND CEMENT MORTAR LINING PER AWWA C104. PIPE JOINTS SHALL BE PUSH-ON TYPE UTILIZING RUBBER RING GASKET IN ACCORDANCE WITH AWWA C111. PIPE SHALL BE SUPPLIED WITH COPPER BONDING STRAPS AND MECHANICAL ATTACHMENT. A #4 CONDUCTOR AND CADWELDS (CHARGE SIZE CA 45) OR THE MANUFACTURERS' SUPPLIED STRAP SHALL BE USED TO BOND EACH JOINT AND FITTING.
4. ALL WATER PIPE JOINT FITTINGS SHALL BE MADE FROM ASTM A536, 65-45-12 DUCTILE IRON AND FURNISHED WITH MECHANICAL JOINT ENDS. ALL FITTINGS SHALL BE AT A PRESSURE RATING OF 350 PSI AND SHALL BE WRAPPED WITH EIGHT MILLIMETER MINIMUM THICKNESS POLYETHYLENE MATERIAL IN ACCORDANCE WITH AWWA STANDARD C105. TWIST-OFF NUTS, SIZED THE SAME AS THE TEE-HEAD BOLTS, SHALL BE USED TO ENSURE PROPER ACTUATING OF RESTRAINING DEVICES.
5. ALL WATER PIPES SHALL BE INSTALLED WITH INSULATED NO. 12 TYPE UF TAPED ON TOP OF PIPE AS A TRACER WIRE. TRACER WIRE IS TO BE LOOPED UP TO EACH HYDRANT. A CATHODIC PROTECTION BOX IS TO BE SET ON THE RIGHT HAND SIDE OF EACH HYDRANT. THE BOX SHALL HAVE A CAST IRON LOCKING LID WITH A THREE AND ONE-HALF INCH [3-1/2" DIAMETER, EIGHTEEN INCH [18"] LONG PVC BODY. THE CAP WILL NEED A TWO-WIRE CONNECTION POST AS A MINIMUM.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ADJUST ALL WATER VALVE BOXES TO THE REQUIRED FINAL GRADE. IN ADDITION, VALVE EXTENSIONS SHALL BE INSTALLED SUCH THAT A VALVE KEY SIX [6] FEET IN LENGTH CAN OPERATE THE VALVE.
7. NO PIPE SHALL BE BACKFILLED UNTIL IT HAS BEEN INSPECTED BY A TOWN OF EAGLE PUBLIC WORKS INSPECTOR.
8. THE MANUFACTURER SHALL FURNISH A CERTIFIED STATEMENT THAT ALL OF THE SPECIFIED TESTS AND INSPECTIONS HAVE BEEN MADE AND THE RESULTS THEREOF COMPLY WITH THE REQUIREMENT OF THE APPLICABLE STANDARDS HEREIN SPECIFIED. A COPY OF THE CERTIFICATION WILL BE SENT TO THE TOWN OF EAGLE PUBLIC WORKS INSPECTOR UPON REQUEST.
9. DISTANCES FOR WATER ARE THE HORIZONTAL DISTANCE BETWEEN CENTER OF FITTING TO CENTER OF VALVE, METER, ETC. THEREFORE, DISTANCES SHOWN ON THE PLANS ARE APPROXIMATE AND COULD VARY DUE TO VERTICAL ALIGNMENT AND FITTING DIMENSIONS.
10. MAINTAIN A MINIMUM OF TEN [10] FEET HORIZONTAL SEPARATION BETWEEN THE OUTSIDE OF ALL SANITARY SEWER AND WATER MAINS AND SERVICES.
11. FOR ALL PIPE INSTALLATIONS, THE DEPTH OF COVER OVER THE PIPE MEASURED FROM OFFICIAL FINISHED/FINAL GRADE TO THE TOP OF THE PIPE SHALL BE A MINIMUM OF SIX [6] AND MAXIMUM OF NINE [9] FEET AND SHALL BE KNOWN AS THE COVER OVER THE PIPE.
12. FIRE HYDRANTS SHALL CONFORM TO THE TOWN OF EAGLE MATERIALS AND SPECIFICATIONS. FIRE HYDRANT ASSEMBLIES SHALL INCLUDE ALL PIPE, FITTINGS, VALVES, THRUST BLOCKS, RESTRAINTS, AND MATERIALS NECESSARY TO INSTALL THE HYDRANT.
13. INSTALL THRUST BLOCKS AT ALL BENDS, STUBS AND TEES IN WATER LINES. ALL BLOW-OFFS, VALVES AND BENDS SHALL BE RODDED OR MECHANICALLY-RESTRAINED PER TOWN OF EAGLE DETAILS AS NOTED OR IF SOIL CONDITIONS ARE UNSTABLE OR AS DIRECTED BY THE TOWN OF EAGLE PUBLIC WORKS INSPECTOR.
14. CHLORINATION AND FLUSHING: ALL WATER MAINS SHALL BE CHLORINATED PER THE TOWN OF EAGLE'S REQUIREMENTS.
15. WHEN IT IS NECESSARY TO LOWER OR RAISE WATER LINES AT STORM DRAINS AND OTHER UTILITY CROSSINGS, A MINIMUM CLEARANCE OF 18 INCHES SHALL BE MAINTAINED BETWEEN THE OUTSIDE OF PIPES.
16. INDIVIDUAL SERVICE LINE PRESSURE REGULATING VALVES ARE REQUIRED.
17. THE WATER QUALITY CONTROL DIVISION OF THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT [CDPHE] REQUIRES ALL WATER LINE CONTRACTORS TO POSSESS A CURRENT DISCHARGE PERMIT FOR DISCHARGES OF CHLORINATED AND PROCESS WATERS ASSOCIATED WITH THE INSTALLATION OF NEW MAINS OR CONDUITS. CONTACT CDPHE WATER QUALITY CONTROL DIVISION AT 303-692-3539 FOR INFORMATION ON OBTAINING THE REQUIRED PERMIT.
18. CONTRACTOR TO COORDINATE HORIZONTAL AND VERTICAL LOCATIONS OF UTILITY SERVICE CONNECTIONS TO BUILDING WITH MECHANICAL/PLUMBING PLANS PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES.
19. THE WATER SERVICE SIZE HAS BEEN PROVIDED BY THE PROJECT'S LIFE SAFETY ENGINEER BASED UPON THE DEMANDS OF THE FIRE SUPPRESSION SYSTEM IN CONJUNCTION WITH THE AVAILABLE PRESSURE AND VOLUME FROM THE PUBLIC SYSTEM AT THE CONNECTION POINT.

DESIGN BY: J. YARNELL  
DRAWN BY: J. YARNELL  
REVIEWED BY: J. YARNELL  
PROJECT NO.: 19.022  
DATE: 10/4/2023

NO. ISSUE / REVISION  
1. SCHEMATIC DESIGN (NO CONST.)  
2. DEVELOPMENT PERMIT SUBMISSION  
3. GRADING PERMIT SUBMITTAL  
4. DEVELOPMENT PERMIT RESUBMITTAL  
5. DEVELOPMENT PERMIT RESUBMITTAL

DATE  
4/29/23  
5/24/23  
5/24/23  
8/22/23  
10/4/23

NAME  
J. YARNELL  
J. YARNELL  
J. YARNELL  
J. YARNELL  
J. YARNELL

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MIXED-USE DEVELOPMENT

YARNELL CONSULTING & CIVIL DESIGN, LLC

263 SAWATCH DRIVE  
LOT 2, 700 CHAMBERS SUBDIVISION  
EAGLE, COLORADO  
P.O. BOX 3901 EAGLE, COLORADO 81631  
(970) 323-7008

SHEET TITLE

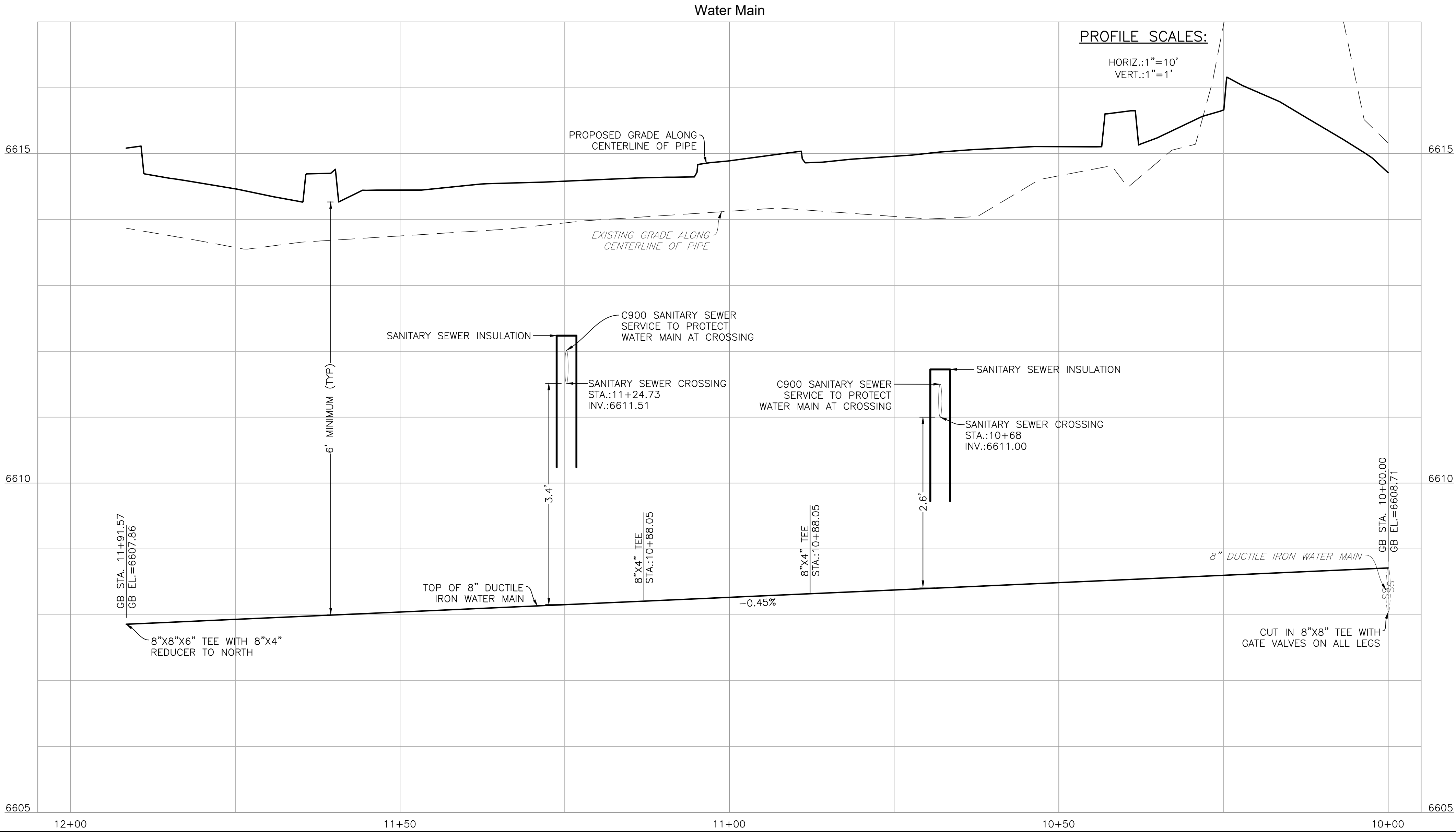
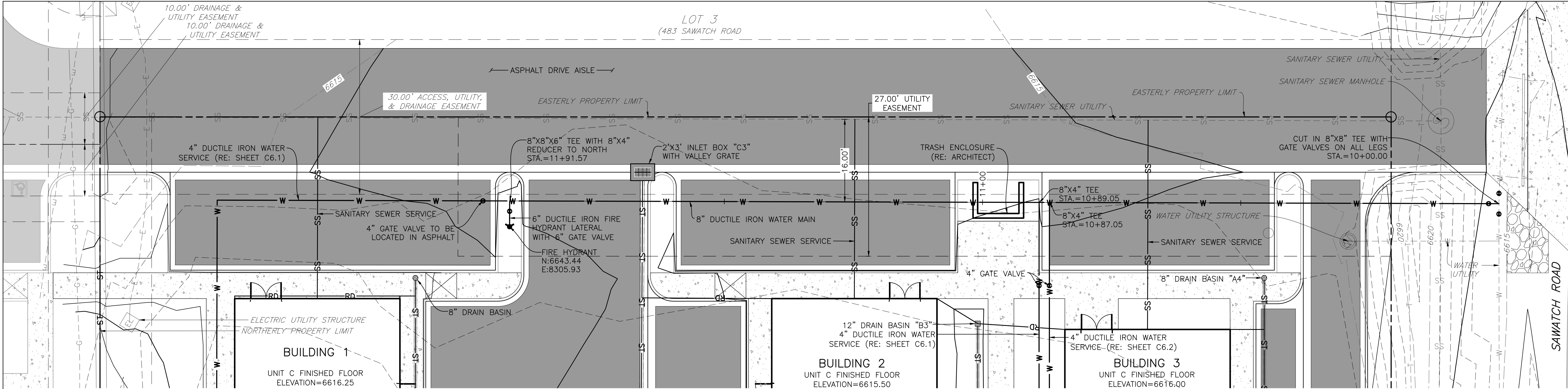
UTILITY NOTES

SHEET NO.

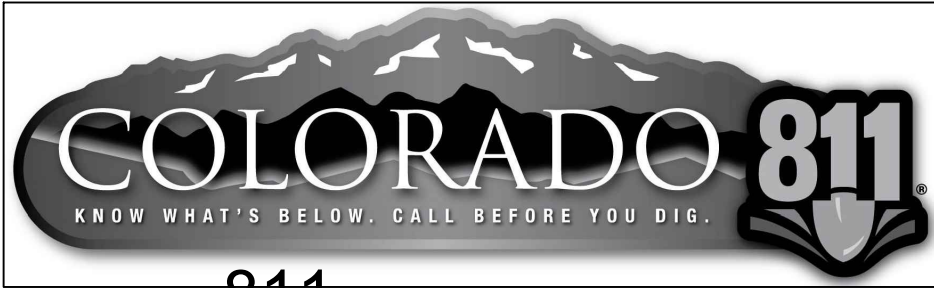
C6.3



D:\DROPBOX\PROJECT FILES\19.022-263 SAWATCH DRIVE, EAGLE\PLANS\C6.4 WATER PLAN & PROFILE



FOR UTILITY NOTES, RE: SHEET C6.3



CALL 811 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR MARKING OF UNDERGROUND MEMBER UTILITIES

ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITY LOCATIONS. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. IT IS, HOWEVER, THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY THE SIZE, MATERIAL, HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION.

MIXED-USE DEVELOPMENT

263 SAWATCH DRIVE

LOT 2, 700 CHAMBERS SUBDIVISION

EAGLE, COLORADO

YARNELL CONSULTING & CIVIL DESIGN, LLC

P.O. BOX 3901, EAGLE, COLORADO 81631

(970) 323-7008

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REVIEWED BY:	J. YARNELL	2.	DEVELOPMENT PERMIT SUBMISSION	5/24/23	JY
PROJECT NO.:	19.022	3.	GRADING PERMIT SUBMITTAL	5/24/23	JY
DATE:	10/4/2023	4.	DEVELOPMENT PERMIT RESUBMITTAL	8/22/23	JY
		5.	DEVELOPMENT PERMIT RESUBMITTAL	10/4/23	JY

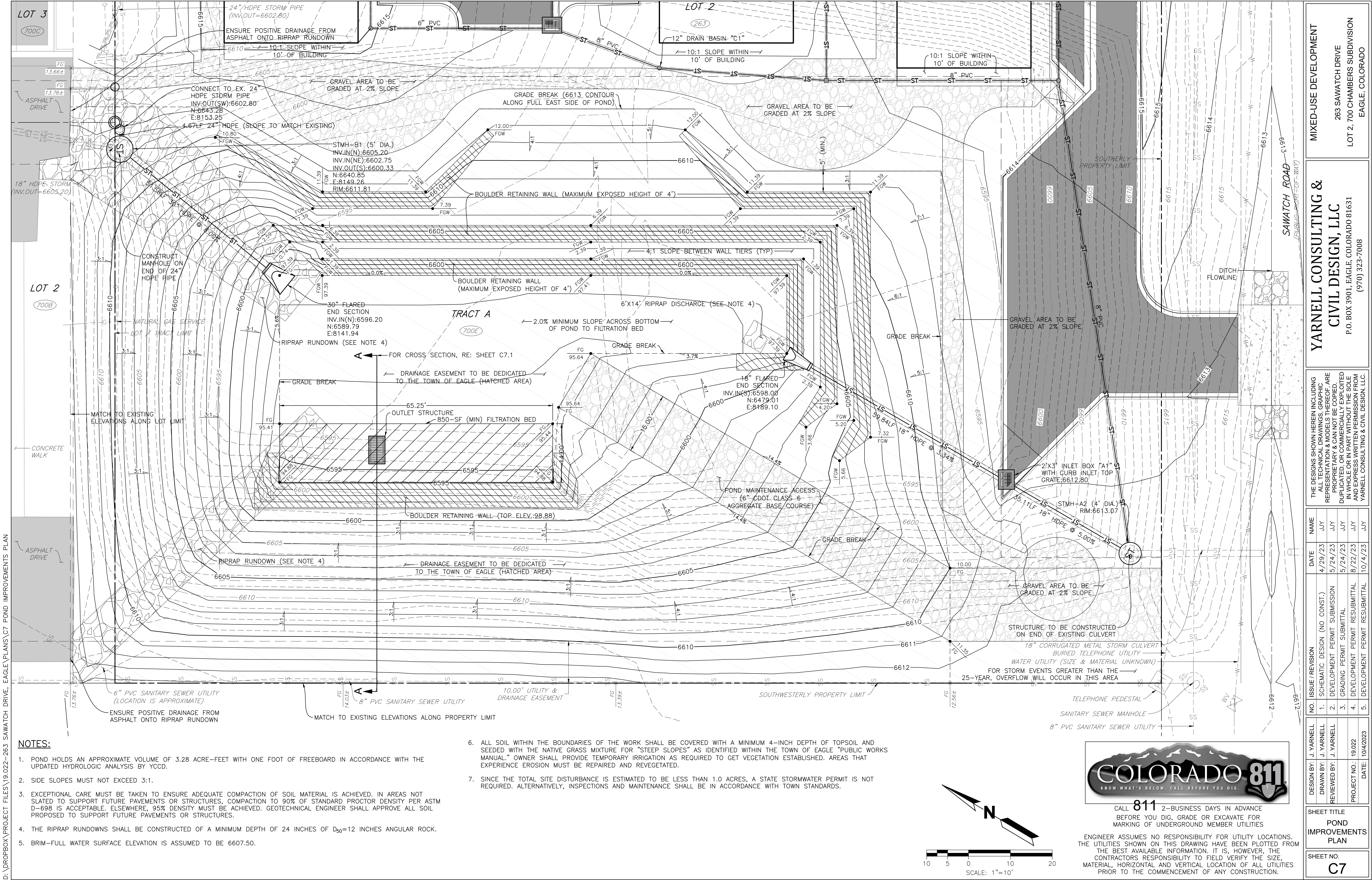
SHEET TITLE

WATER PLAN & PROFILE

SHEET NO.

C6.4

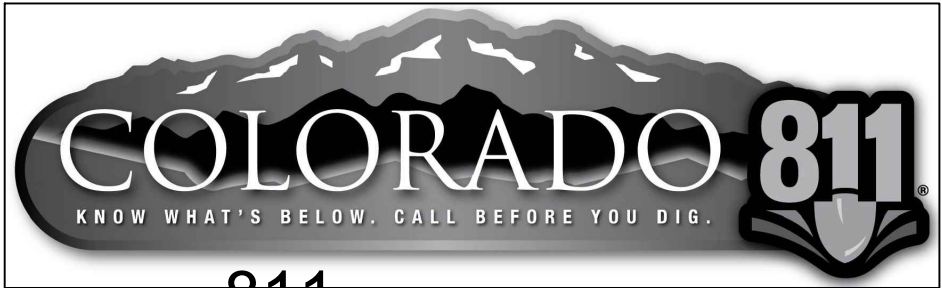
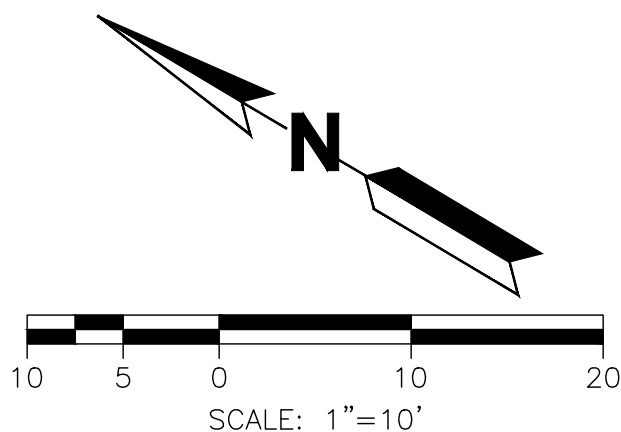




NOTES:

1. POND HOLDS AN APPROXIMATE VOLUME OF 3.28 ACRE- FEET WITH ONE FOOT OF FREEBOARD IN ACCORDANCE WITH THE UPDATED HYDROLOGIC ANALYSIS BY YCCD.
2. SIDE SLOPES MUST NOT EXCEED 3:1.
3. EXCEPTIONAL CARE MUST BE TAKEN TO ENSURE ADEQUATE COMPACTION OF SOIL MATERIAL IS ACHIEVED. IN AREAS NOT SLATED TO SUPPORT FUTURE PAVEMENTS OR STRUCTURES, COMPACTION TO 90% OF STANDARD PROCTOR DENSITY PER ASTM D-698 IS ACCEPTABLE. ELSEWHERE, 95% DENSITY MUST BE ACHIEVED. GEOTECHNICAL ENGINEER SHALL APPROVE ALL SOIL PROPOSED TO SUPPORT FUTURE PAVEMENTS OR STRUCTURES.
4. THE RIPRAP RUNDOWNS SHALL BE CONSTRUCTED OF A MINIMUM DEPTH OF 24 INCHES OF D<sub>90</sub>=12 INCHES ANGULAR ROCK.
5. BRIM-FULL WATER SURFACE ELEVATION IS ASSUMED TO BE 6607.50.

6. ALL SOIL WITHIN THE BOUNDARIES OF THE WORK SHALL BE COVERED WITH A MINIMUM 4-INCH DEPTH OF TOPSOIL AND SEEDED WITH THE NATIVE GRASS MIXTURE FOR "STEEP SLOPES" AS IDENTIFIED WITHIN THE TOWN OF EAGLE "PUBLIC WORKS MANUAL." OWNER SHALL PROVIDE TEMPORARY IRRIGATION AS REQUIRED TO GET VEGETATION ESTABLISHED. AREAS THAT EXPERIENCE EROSION MUST BE REPAIRED AND REVEGETATED.
7. SINCE THE TOTAL SITE DISTURBANCE IS ESTIMATED TO BE LESS THAN 1.0 ACRES, A STATE STORMWATER PERMIT IS NOT REQUIRED. ALTERNATIVELY, INSPECTIONS AND MAINTENANCE SHALL BE IN ACCORDANCE WITH TOWN STANDARDS.



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MIXED-USE DEVELOPMENT

263 SAWATCH DRIVE  
LOT 2, 700 CHAMBERS SUBDIVISION  
EAGLE, COLORADO

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DESIGN BY: J. YARNELL

DRAWN BY: J. YARNELL

REVIEWED BY: J. YARNELL

PROJECT NO.: 19.022

DATE: 10/4/2023

SHEET TITLE

POND IMPROVEMENTS PLAN

SHEET NO.

C7



25-YEAR WATER SURFACE ELEVATION = 6607.50  
VOLUME = 3.3 ACRE-Feet

— IMPORTED CLAYS —

ENSURE 2' (MIN.) DEPTH OF FAT CLAYS  
ON TOP OF WELL-DRAINING MATERIAL TO  
ENSURE FINES DO NOT MIGRATE DOWN

— APPROXIMATE INTERFACE OF NEW  
COBBLE MATERIAL WITH EXISTING

WELL-DRAINING SANDY  
COBBLE MATERIAL

-WELL-DRAINING SANDY COBBLE MATERIAL

BOULDER RETAINING WALL  
CONSISTING OF ROUND  
ROCKS SET BACK AT A  
MAXIMUM 1:1 SLOPE (4'  
MAX EXPOSED HEIGHT)

TOE OF SLOPE

3.00' (MIN)

PROVIDE COBBLE SOIL MATERIAL  
AT 3:1 MAX SLOPE AROUND  
FULL PERIMETER OF STRUCTURE

BOTTOM COURSE OF ROCKS TO BE  
EMBEDDED A MINIMUM 3' INTO SOILS

NATIVE CLAYS TERMINATE NEAR TOE OF SLOPE

## NATIVE CLAYS

- PROVIDE A LADDER ON THE INSIDE OF THE STRUCTURE

18-INCH (MINIMUM) DEPTH OF  
WELL-DRAINING SANDY COBBLE MATERIAL

— MIRAFI FILTER FABRIC ON BOTTOM AND SIDES OF FILTRATION SOIL MATERIAL

WELL-DRAINING SANDY COBBLE MATERIAL

## OUTLET STRUCTURE

BOTTOM OF STRUCTURE TO HAVE OPEN BOTTOM  
(NO FLOOR) AND SET ON WELL-DRAINING SANDY  
COBBLES AT ELEVATION = 6591.00

TOP OF STRUCTURE = 6598.00

ED INLET STRUCTURE\_

→ 1.50' (MIN)

GRAVEL SHALL INTERFACE WITH NATIVE  
COMPACTED (IN SITU) SOILS AROUND  
THE PERIMETER TO ENSURE MATERIAL  
DOES NOT MIGRATE INTO THE GRAVEL

## NATIVE CLAYS

SURFACE OF NATIVE CLAYS  
BENEATH INFILTRATION AREA  
(ELEVATION = 6590.00)

1. PROJECT'S GEOTECHNICAL ENGINEER SHALL BE ON-SITE TO CONFIRM WHEN SUFFICIENT EXCAVATION HAS OCCURRED AND THAT NATIVE, WELL-DRAINING COBBLE SOILS HAVE BEEN EXPOSED.
2. THE BIOFILTRATION MATERIAL SHALL BE EXCAVATED AND REPLACED ONCE THE SURFACE OF THE MATERIAL IS WITHIN 18 INCHES FROM THE TOP OF THE INLET BOX, OR WHEN STANDING WATER IS OBSERVED IN THE BOTTOM OF THE POND.

N.T.S.

## MIXED-USE DEVELOPMENT

263 SAWATCH DRIVE  
LOT 2, 700 CHAMBERS SUBDIVISION  
EAGLE, COLORADO

**YARNELL CONSULTING &  
CIVIL DESIGN, LLC**

P.O. BOX 3901, EAGLE, COLORADO 81631  
(970) 323-7008

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DRAWN BY:	J. YARNELL	1.	SCHEMATIC DESIGN (NO CONST.)	4/29/23	JYJ
REVIEWED BY:	J. YARNELL	2.	DEVELOPMENT PERMIT SUBMISSION	5/24/23	JYJ
		3.	GRADING PERMIT SUBMITTAL	5/24/23	JYJ
PROJECT NO.:	19 022	4.	DEVELOPMENT PERMIT RESUBMITTAL	8/2/23	JYJ
DATE:	10/4/2023	5.	DEVELOPMENT PERMIT RESUBMITTAL	10/4/23	JYJ

SHEET TITLE

POND  
IMPROVEMENT  
PLAN

SHEET NO.  
**C7.1**



DETAILS TO BE INCLUDED IN A BUILDING PERMIT SUBMITTAL:

- 16’ CONCRETE PAN
- 3’ CONCRETE PAN
- FLARED END SECTION
- DOWNSPOUT DISCHARGE

SHEET NO.  
C9.1

SHEET TITLE  
DETAILS

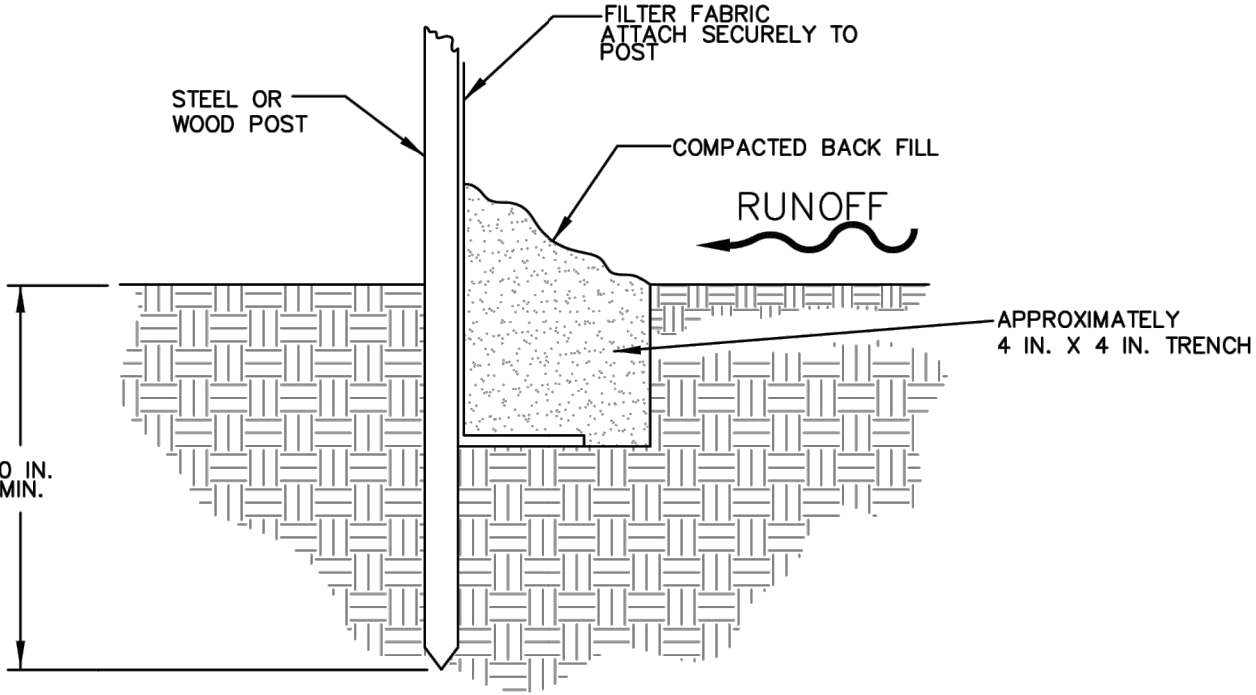
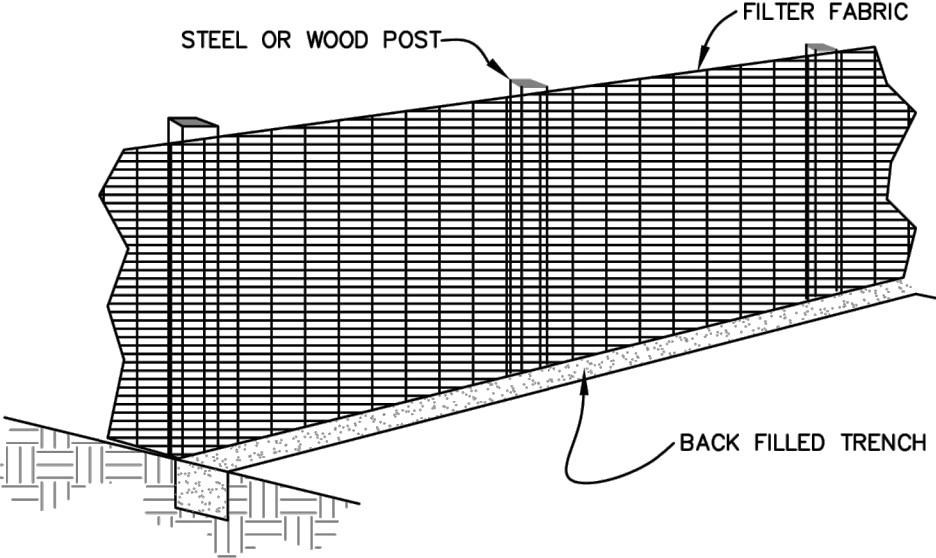
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PROJECT NO: 19.022	3.	GRADING PERMIT SUBMITTAL	5/24/23	JY
DATE: 10/4/2023	4.	DEVELOPMENT PERMIT RESUBMITTAL	8/22/23	JY
	5.	DEVELOPMENT PERMIT RESUBMITTAL	10/4/23	JY

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MIXED-USE DEVELOPMENT  
263 SAWATCH DRIVE  
LOT 2, 700 CHAMBERS SUBDIVISION  
EAGLE, COLORADO





SECTION VIEW


**GENERAL NOTES:**

1. THE MAXIMUM TRIBUTARY AREA IS LIMITED TO 0.25 ACRES PER 100 FEET OF FENCE.
2. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT. REMOVE SEDIMENT WHEN ONE HALF THE HEIGHT OF THE FENCE HAS BEEN FILLED. REMOVED SEDIMENT SHALL BE DEPOSITED IN AN AREA TRIBUTARY TO A SEDIMENT BASIN OR OTHER FILTERING MEASURE.

Title: Detail Silt Fence  
Project: Public Works Manual  
Drawn: JB  
Checked:  
Sheet: Drainage.dwg

Date: 1/18/208

D4



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PROJECT NO.:	19.022	3.	GRADING PERMIT SUBMITTAL	5/24/23	JY
DATE:	10/4/2023	4.	DEVELOPMENT PERMIT RESUBMITTAL	8/22/23	JY
		5.	DEVELOPMENT PERMIT RESUBMITTAL	10/4/23	JY

SHEET TITLE  
EROSION CONTROL DETAILS

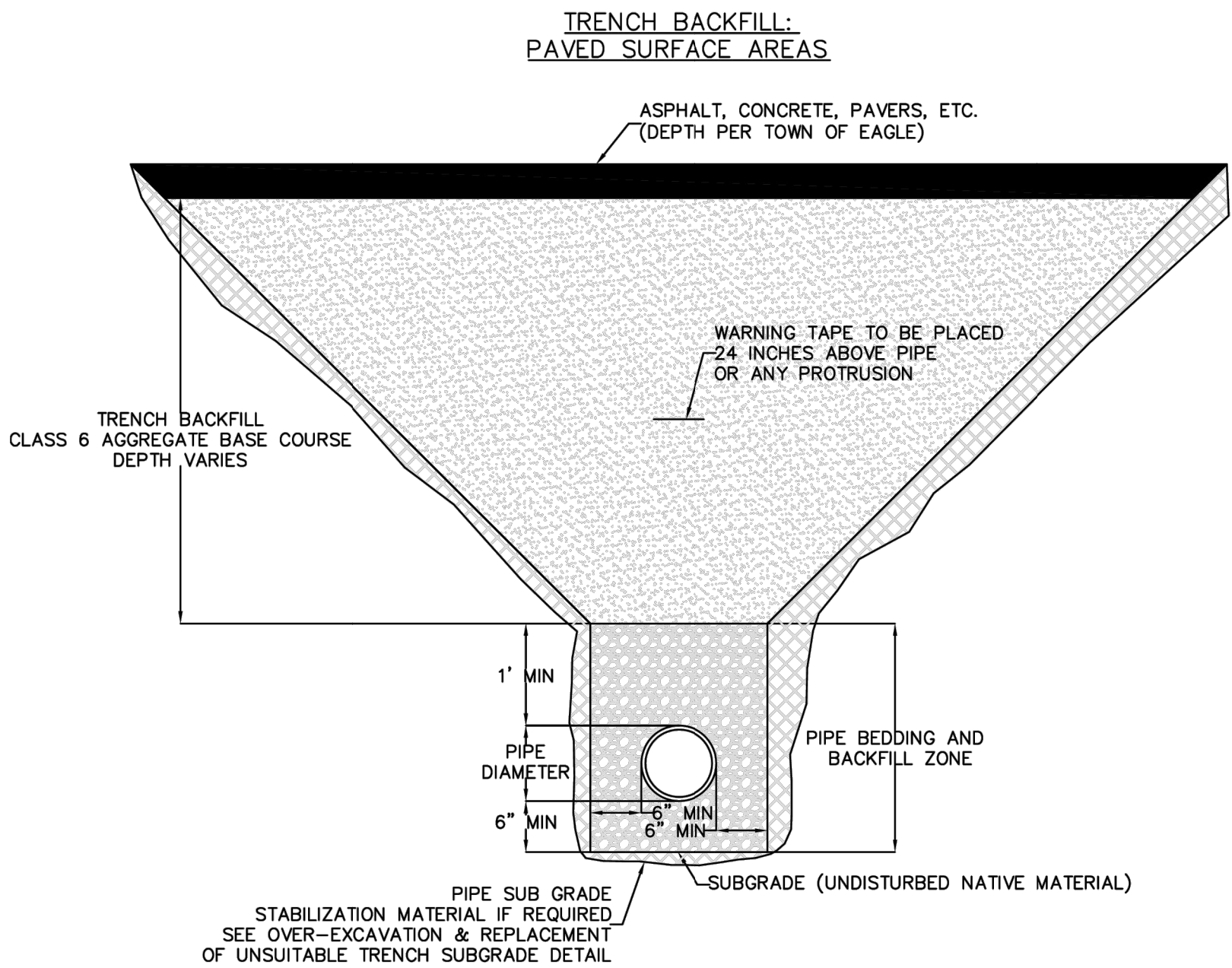
SHEET NO.  
C10.1

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MIXED-USE DEVELOPMENT  
263 SAWATCH DRIVE  
LOT 2, 700 CHAMBERS SUBDIVISION  
EAGLE, COLORADO

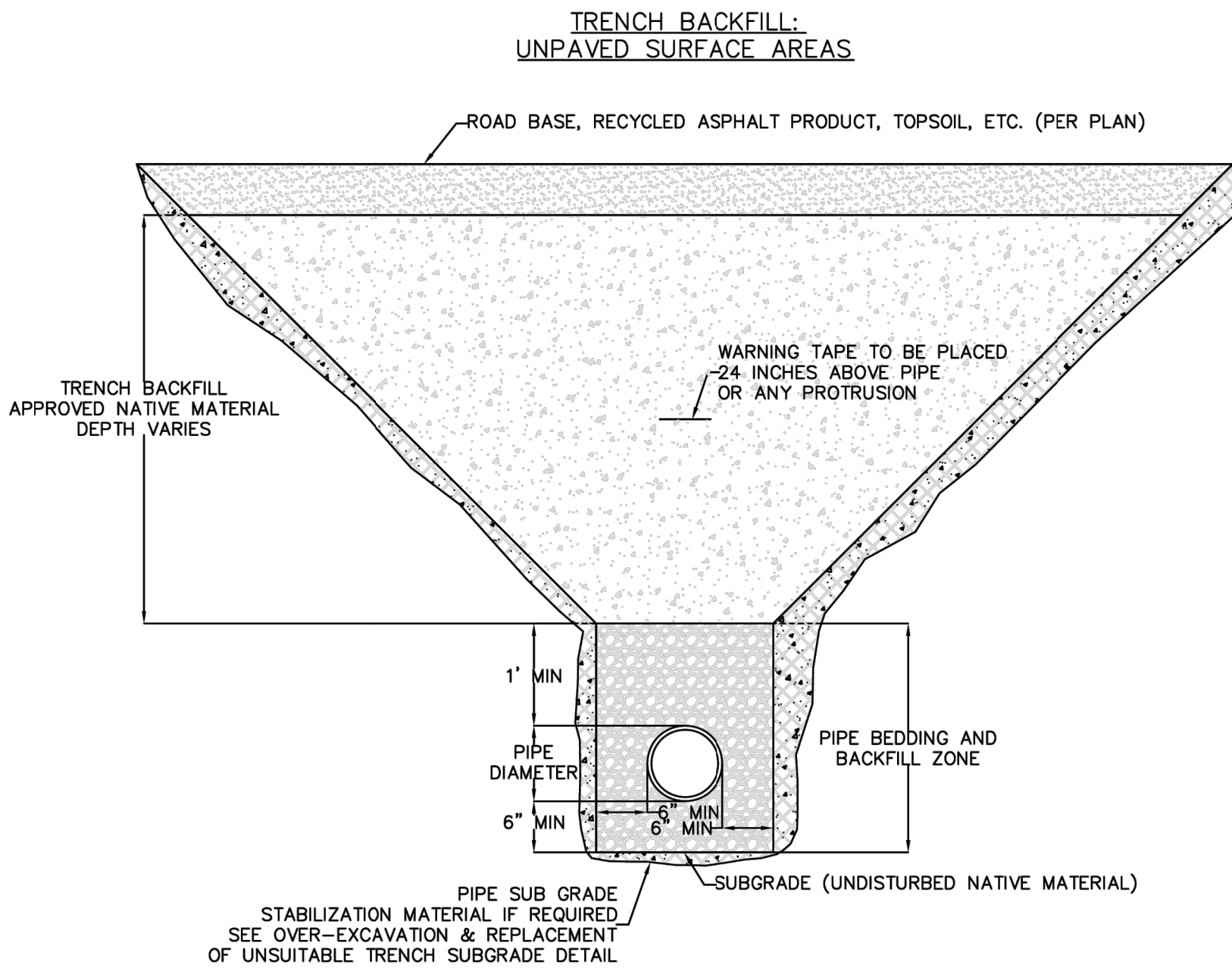


D:\DROPBOX\PROJECT FILES\19.022--263 SAWATCH DRIVE, EAGLE\PLANS\C11.1 DETAILS -- SANITARY SEWER



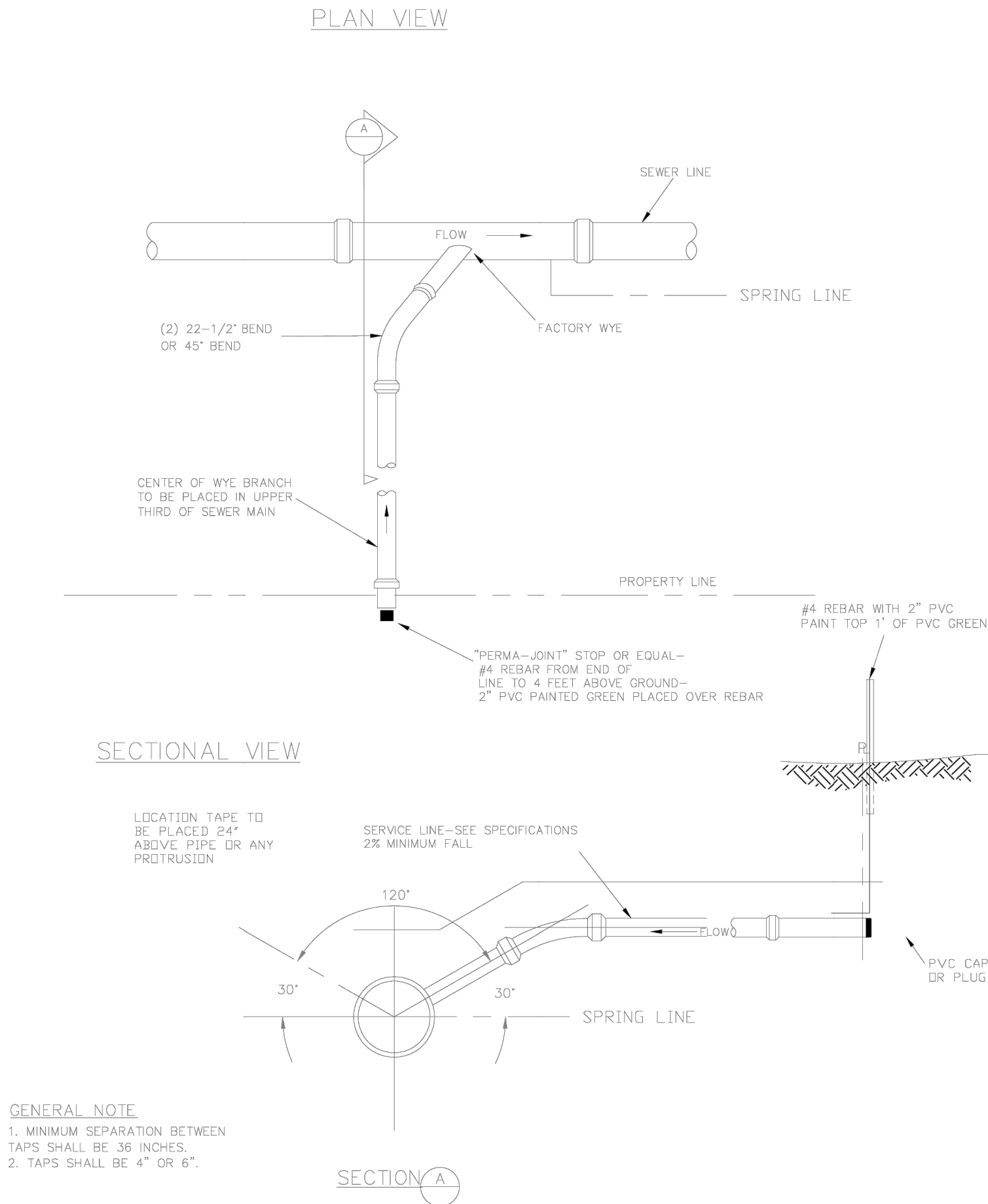
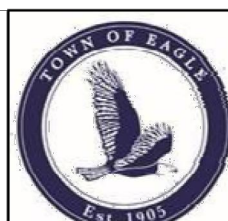
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Project: Public Works Manual  
Drawn: JB  
Checked: Date: 1/8/2018  
Sheet: DETAIL--BACKFILL.DWG

A1



Title: DETAIL -- TRENCH BACKFILL  
Project: Public Works Manual  
Drawn: JB  
Checked: Date: 1/8/2018  
Sheet: DETAIL--BACKFILL.DWG

A2



Title: DETAIL -- SEWER SERVICE FROM MAIN  
Project: Public Works Manual  
Drawn: JB  
Checked: Date: 1/8/2018  
Sheet: SEWER SERVICE AT MAIN.DWG

A4



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4.	DEVELOPMENT PERMIT RESUBMITTAL	J. YARNELL	8/22/23
5.	DEVELOPMENT PERMIT RESUBMITTAL	J. YARNELL	10/4/23

SHEET TITLE  
DETAILS -  
SANITARY  
SEWER

SHEET NO.  
C11.1

MIXED-USE DEVELOPMENT

263 SAWATCH DRIVE  
LOT 2, 700 CHAMBERS SUBDIVISION  
EAGLE, COLORADO

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IF THE DISTANCE TO THE TOP OF THE OPERATING NUT TO THE TOP OF THE VALVE COVER IS GREATER THAN 6', AN EXTENSION STEM WILL BE REQUIRED ON THE OPERATING NUT. THE EXTENSION MUST BE SECURED TO THE VALVE OPERATING NUT.

WRAP 10 GAUGE INSULATED COPPER WIRE OVER VALVE BOXES, PROVIDE SLACK ON WIRE

DEEP TYPE VALVE BOX LID

DEEP TYPE VALVE BOX LID

CI-500 CASTING INC.

COMPACT BACK FILL TO 98% STANDARD PROCTOR TO SURFACE TO SUPPORT VALVE BOX

VALVE BOX BOTTOM

GATE VALVE

10 GAUGE INSULATED COPPER WIRE TO FOLLOW WATER MAIN

GENERAL NOTE

1. VALVE BOX IS TO BE INSTALLED PLUMB, LEVEL, AND CENTERED ON 2" NUT

Title: DETAIL - Valve Box

Project: Public Works Manual


Drawn: JB

Checked:

Sheet: TOE Valve Box.dwg

Date: 1/11/2018

**B14**



USE BOND BREAKER 4 MIL POLYETHYLENE PLASTIC EVERYWHERE CONCRETE CONTACTS PIPES, FITTINGS, BOLTS, & NUTS. ALL NUTS SHALL BE ON THE SIDE OPPOSITE THE THRUST BLOCK SO AS TO BE ACCESSIBLE FROM THE TAPPED SIDE OF THE MAIN.

MJ FOSTER ADAPTOR IS PREFERABLE OR ALLOW ENOUGH DISTANCE TO WORK ON MEGALUGS

UNDISTURBED EARTH

Title: DETAIL - Cut in Tee

Project: Public Works Manual


Drawn: JB

Checked:

Sheet: TOE Cut in Tee.dwg

Date: 1/8/2018

**B17**



USE BOND BREAKER 4 MIL POLYETHYLENE PLASTIC EVERYWHERE CONCRETE CONTACTS PIPES, FITTINGS, BOLTS, & NUTS. ALL NUTS SHALL BE ON THE SIDE OPPOSITE THE THRUST BLOCK SO AS TO BE ACCESSIBLE FROM THE TAPPED SIDE OF THE MAIN.

PLAN

ELEVATION

IN WET AND/OR UNSTABLE GROUND, THE TRENCH BOTTOM WILL BE BROUGHT TO GRADE WITH TOWN APPROVED BEDDING TO SUPPORT THRUST BLOCK.

GENERAL NOTE

1. NO TAPPING SLEEVES WILL BE ALLOWED WHERE PRESSURES MAY EXCEED 150psi WORKING PRESSURE UNLESS WRITTEN PERMISSION IS GIVEN BY THE TOWN.

2. ROMAC SST III STAINLESS STEEL TAPPING SLEEVE OR APPROVED EQUAL.

Title: DETAIL - Tapping Sleeve

Project: Public Works Manual


Drawn: JB

Checked:

Sheet: TOE Tapping Sleeve.dwg

Date: 1/12/2018

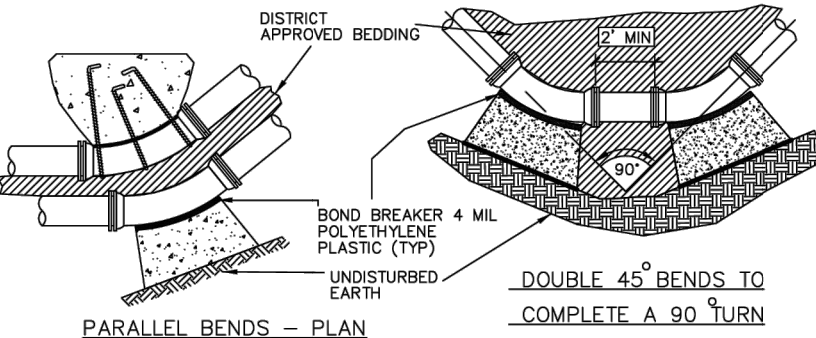
**B18**



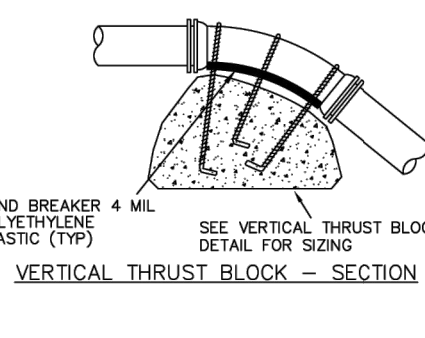
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4.	DEVELOPMENT PERMIT RESUBMITTAL	J. YARNELL	8/22/23
5.	DEVELOPMENT PERMIT RESUBMITTAL	J. YARNELL	10/4/23

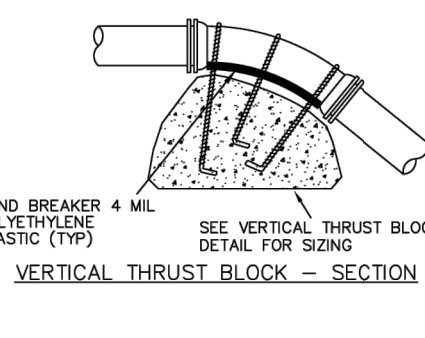




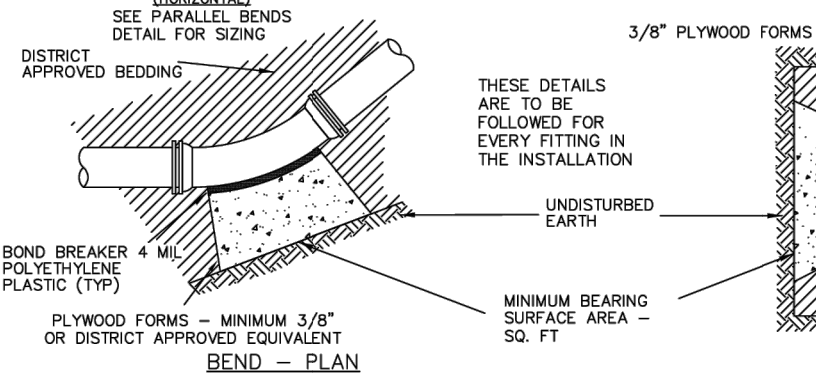
PARALLEL BENDS - PLAN



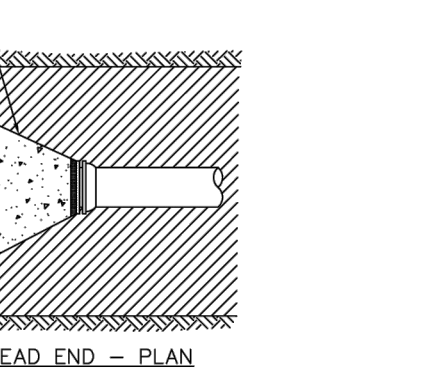
DOUBLE 45° BENDS TO COMPLETE A 90° TURN



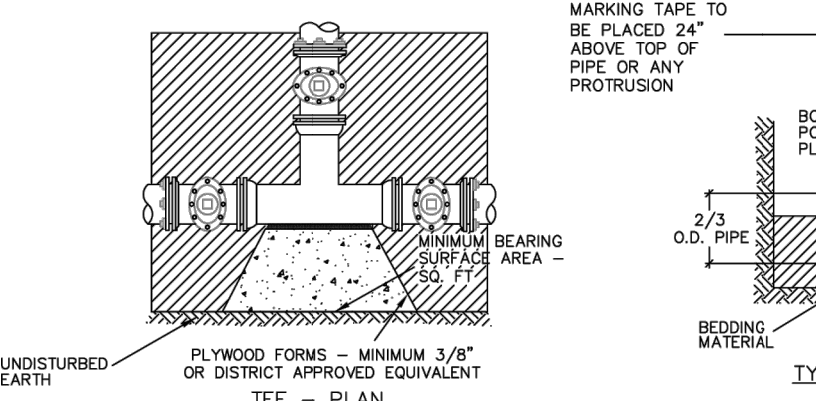
VERTICAL THRUST BLOCK - SECTION



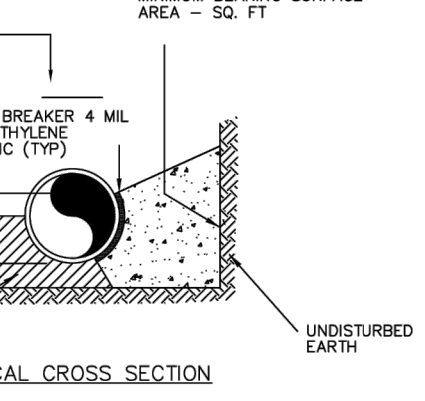
BEND - PLAN



DEAD END - PLAN



TEE - PLAN



TYPICAL CROSS SECTION

MINIMUM BEARING SURFACE (SF)  
FOR 200 PSI AND LESS

SIZE OF PIPE	BENDS				TEE OR DEAD END
	11-1/2"	22-1/2"	45°	90°	
4"	1.3	2.5	2.5	4	6.4
6"	1.3	2.5	5.0	9.0	6.4
8"	1.3	2.5	5.0	9.0	6.4
10"	1.9	3.8	7.4	13.7	9.7
12"	2.7	5.4	10.5	19.3	13.7
16"	4.7	9.3	19.1	33.8	23.8
20"	7.2	14.3	28.0	51.8	36.6

MINIMUM BEARING SURFACE (SF)  
FOR 201 TO 250 PSI

SIZE OF PIPE	BENDS				TEE OR DEAD END
	11-1/2"	22-1/2"	45°	90°	
4"	1.6	3.1	4	4	8.0
6"	1.6	3.1	6.2	11.4	8.0
8"	1.6	3.1	6.2	11.4	8.0
10"	2.4	4.7	9.25	17.1	12.0
12"	3.4	6.7	13.1	24.2	17.1
16"	5.8	11.6	22.7	42.0	29.7
20"	9.0	17.9	35.0	64.8	45.8

**GENERAL NOTES**

- MEGALUG RESTRAINTS SHALL BE USED IN CONJUNCTION WITH THRUSTBLOCKS.
- MINIMUM AREA REQUIRED WILL BE THAT OF AN 8 INCH MAIN
- ALL THRUST BLOCKS SHALL BE FORMED. THE MINIMUM THICKNESS FORM MATERIAL SHALL BE 3/8" PLYWOOD OR DISTRICT APPROVED EQUIVALENT.
- BEARING AREA BASED ON SOIL BEARING PRESSURE OF 2000 LB/SF.

Title:DETAIL - General Thrust Blocks


Project:Public Works Manual

Drawn:JB

Checked:Date:1/12/2018

Sheet:TOE General Thrust Blocks.dwg

B21



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4.	DEVELOPMENT PERMIT RESUBMITTAL	8/22/23	JJY
5.	DEVELOPMENT PERMIT RESUBMITTAL	10/4/23	JJY

SHEET TITLE

DETAILS - WATER

SHEET NO.

C12.3

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MIXED-USE DEVELOPMENT

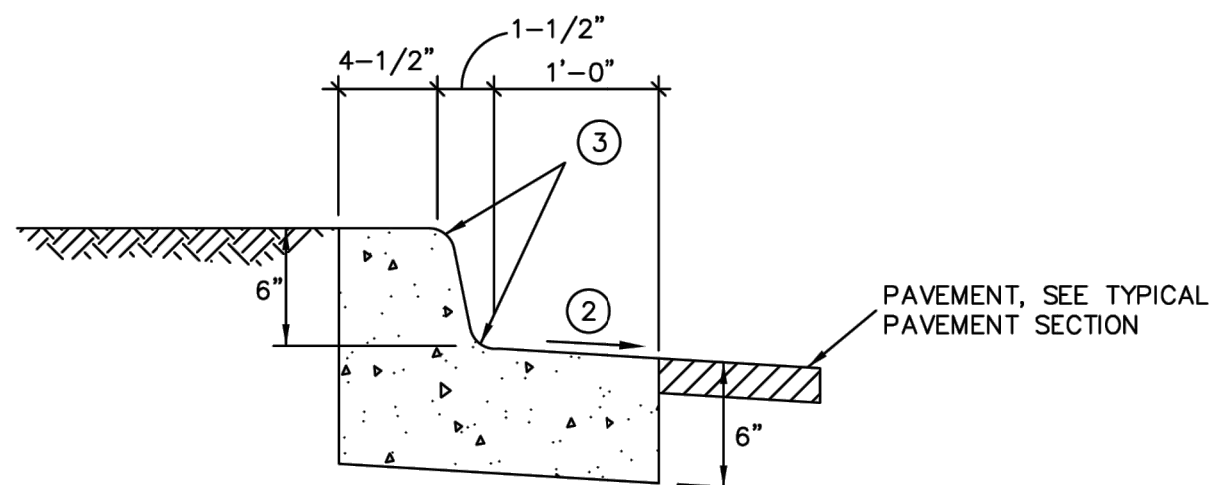
263 SAWATCH DRIVE

LOT 2, 700 CHAMBERS SUBDIVISION

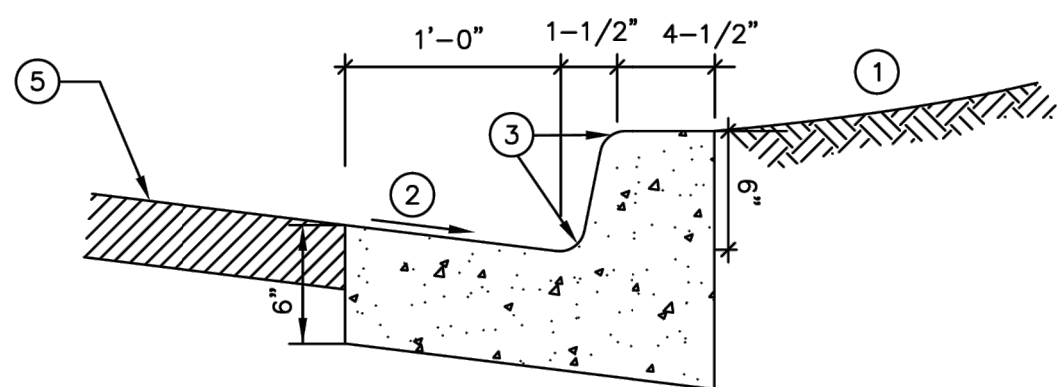
EAGLE, COLORADO



D:\DROPBOX\PROJECT FILES\19.022-263 SAWATCH DRIVE, EAGLE\PLANS\C13.1 DETAILS - ROAD



SPILL CURB



CATCH CURB

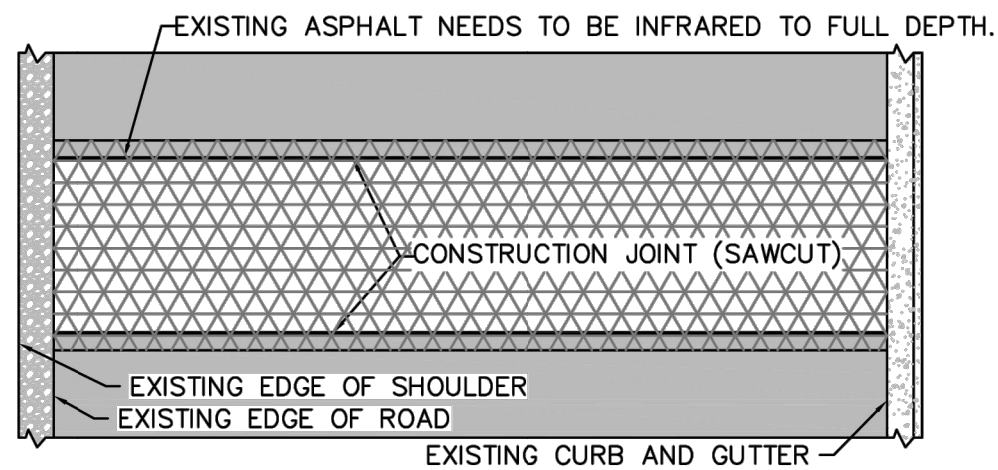
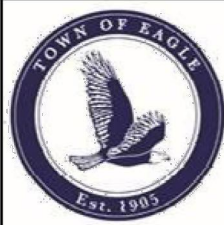
NOTES:

1. BACKFILL, SEE DETAIL OF CUT/FILL SLOPE
2. SLOPE AT 1" PER FOOT
3. 1-1/2" RADIUS TYPICAL
4. SLOPE TO MATCH ADJACENT PAVEMENT
5. PAVEMENT, SEE TYPICAL PAVEMENT SECTION
6. PROVIDE CONTRACTION JOINTS 12' O.C. MAXIMUM
7. PROVIDE EXPANSION JOINTS 100' O.C. MAXIMUM

6" VERTICAL CURB AND GUTTER

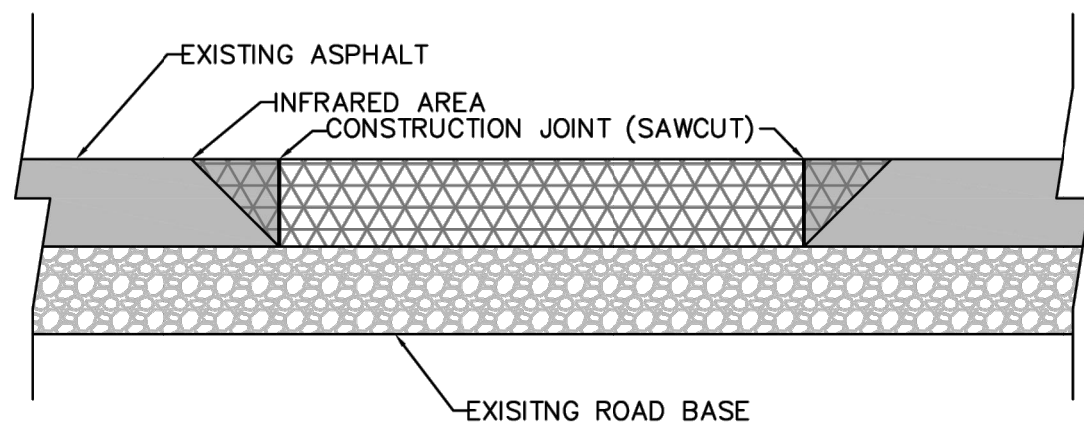
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Project: Public Works Manual  
Drawn: JB  
Checked:   
Sheet: Vertical Curb Cut.dwg  
Date: 1/16/2018

C1



PLAN

NTS



PROFILE

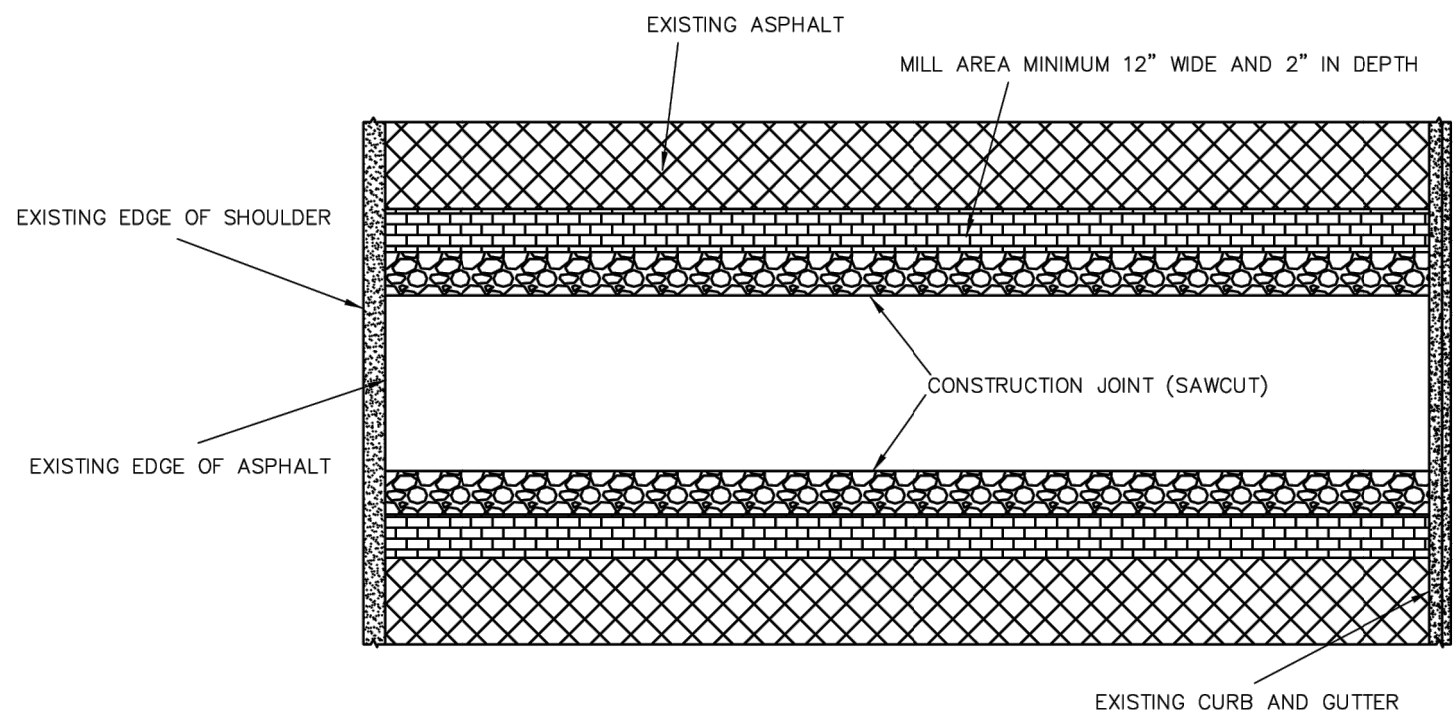
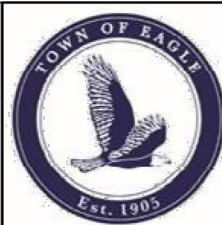
NTS

NOTES:

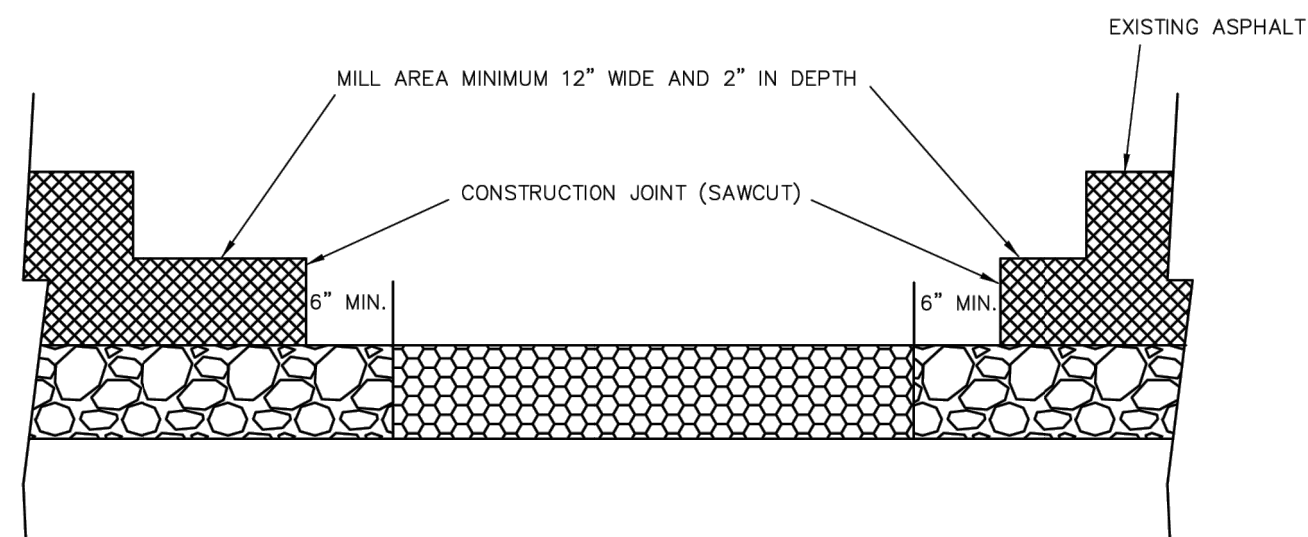
1. CONSTRUCTION JOINTS MUST BE FULL DEPTH INFRARED.
2. CONSTRUCTION JOINTS MUST BE MALLEABLE PRIOR TO BEING RAKED.
3. EXISTING ASPHALT AT CONSTRUCTION JOINTS MUST BE RAKED FOR PROPER BLENDING OF NEW ASPHALT.
4. ASPHALT EMULSION MUST BE USED.
5. SHALLOW UTILITY ROAD CUTS SHOULD TRY TO BE 4-FT MAXIMUM FOR EASIER INFRARED.
6. TEMPORARY PATCHES MUST BE REMOVED PRIOR TO BEING INFRARED.
7. TEMPERATURE OF INFRARED SHALL BE 300-DEGREES +/- 25 DEGREES.
8. REJUVENATOR MUST BE ADDED TO EXISTING ASPHALT.

Title: DETAIL - Infrared Detail  
Project: Public Works Manual  
Drawn: JB  
Checked:   
Sheet: TOE Infrared Detail.dwg  
Date: 1/4/18

C13



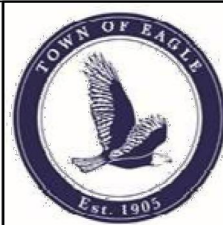
PLAN



PROFILE

Title: DETAIL - Street Cut Detail  
Project: Public Works Manual  
Drawn: JB  
Checked:   
Sheet: TOE Street Cut Detail.dwg  
Date: 1/4/18

C14



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MIXED-USE DEVELOPMENT

263 SAWATCH DRIVE  
LOT 2, 700 CHAMBERS SUBDIVISION  
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5.	DEVELOPMENT PERMIT RESUBMITTAL	10/4/23	JUY

DESIGN BY: J. YARNELL	DATE: 10/4/2023
DRAWN BY: J. YARNELL	
REVIEWED BY: J. YARNELL	
PROJECT NO: 19.022	

SHEET TITLE  
DETAILS - ROAD

SHEET NO.  
C13.1



D:\DROPBOX\PROJECT FILES\19.022-263 SAWATCH DRIVE, EAGLE\PLANS\C14.1 DETAILS - STORM SEWER

OPTIONAL GRATES  
TYPE L, V, DL OR  
DR (TYPE L  
GRATE SHOWN)

CAST IRON FRAME,  
GRATE, AND HOOD  
APPROX. WEIGHT:  
510 LBS.

12"

30" 45"

12"

5'-0"

3'-9"

18"x31" THIN WALL KNOCKOUTS.  
SLEDGE OUT AS REQUIRED.  
BOTH END WALLS.

31" ROUND THIN  
WALL KNOCKOUTS.  
SLEDGE OUT AS  
REQUIRED.  
BOTH SIDE WALLS

C  
OPTIONAL  
EXTENSION  
HEIGHT

OUTSIDE  
HEIGHT  
OF BOX


B

A

Title: Detail Curb Inlet  
Project: Public Works Manual  
Drawn: JB  
Checked:  
Sheet: Drainage.dwg

Date: 1/18/2018

**D1**



TRENCH WIDTH AS SPECIFIED

LOWER LIMIT OF  
TRENCH WALL  
SLOPE

COMPACTED  
CLASS 6  
ROAD BASE

12 IN. MIN.


PIPE O.D.

6 IN. MIN.

Title: Detail Bedding  
Project: Public Works Manual  
Drawn: JB  
Checked:  
Sheet: Drainage.dwg

Date: 1/18/2018

**D3**



STEEL OR WOOD POST

FILTER FABRIC

BACK FILLED TRENCH

STEEL OR WOOD POST

FILTER FABRIC  
ATTACH SECURELY TO  
POST

COMPACTED BACK FILL

RUNOFF

APPROXIMATELY  
4 IN. X 4 IN. TRENCH

10 IN.  
MIN.

SECTION VIEW


**GENERAL NOTES:**

1. THE MAXIMUM TRIBUTARY AREA IS LIMITED TO 0.25 ACRES PER 100 FEET OF FENCE.
2. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT. REMOVE SEDIMENT WHEN ONE HALF THE HEIGHT OF THE FENCE HAS BEEN FILLED. REMOVED SEDIMENT SHALL BE DEPOSITED IN AN AREA TRIBUTARY TO A SEDIMENT BASIN OR OTHER FILTERING MEASURE.

Title: Detail Silt Fence  
Project: Public Works Manual  
Drawn: JB  
Checked:  
Sheet: Drainage.dwg

Date: 1/18/2018

**D4**



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NO.	ISSUE / REVISION	DATE	NAME
1.	SCHEMATIC DESIGN (NO CONST.)	4/29/23	JUY
2.	DEVELOPMENT PERMIT SUBMISSION	5/24/23	JUY
3.	GRADING PERMIT SUBMITTAL	5/24/23	JUY
4.	DEVELOPMENT PERMIT RESUBMITTAL	8/22/23	JUY
5.	DEVELOPMENT PERMIT RESUBMITTAL	10/4/23	JUY

DESIGN BY: J. YARNELL	DATE: 10/4/2023
DRAWN BY: J. YARNELL	
REVIEWED BY: J. YARNELL	
PROJECT NO: 19.022	

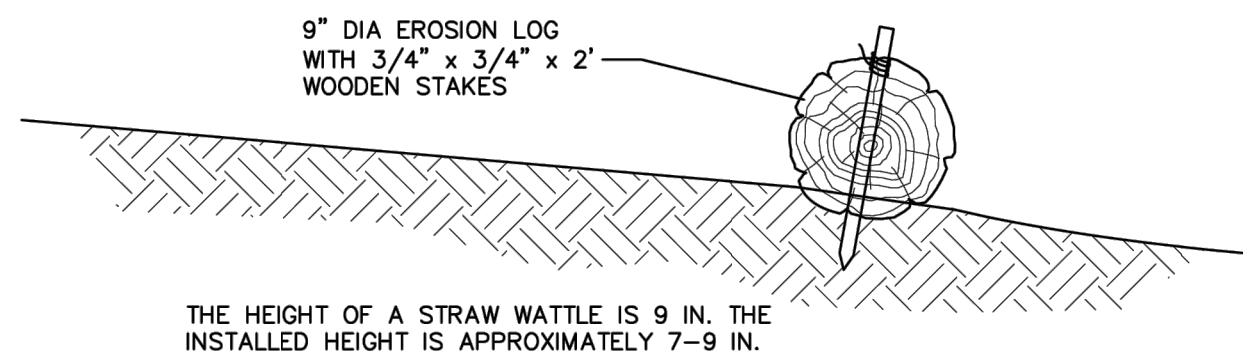
SHEET TITLE  
DETAILS - STORM  
SEWER

SHEET NO.  
**C14.1**

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(970) 323-7008

MIXED-USE DEVELOPMENT  
263 SAWATCH DRIVE  
LOT 2, 700 CHAMBERS SUBDIVISION  
EAGLE, COLORADO





## EROSION LOG WATTLE DETAIL

N.T.S.

This sediment barrier is designed for low surface flows not to exceed 1 cfs for small areas, slope flatter than 3:1 or short slopes, and where silt fences are not practicable. Straw Wattles can also be installed on contour on steeper slopes to reduce surface, spread water flow and capture sediment. The following is a brief description of the Straw Wattles, their uses and installation.

1. The height of a Straw Wattle is 9 in. The installed height is approximately 5 – 7 in. The standard length of Straw Wattles is 25 ft, however other lengths will be made upon request.
2. Straw Wattles can be installed on contour of slope, with a slight downslope angle at the end of each row to allow for drainage during heavy precipitation. They can also be used at the top of slopes to prevent sheeting over the edge, and they can be used at the toe of slopes. Straw Wattles can also be placed along sidewalks and curbs and around storm drains and inlets to prevent sediment pollution.
3. Straw Wattles can be used to replace silt fences, straw bale dikes and sand bag barriers. They can also be placed in drainage swales to slow flows and capture sediment; they can be used as level spreaders to prevent concentrated flow, and in place of earthen berms or dikes.
4. Straw Wattles should be installed on surface.
5. Lay the Wattle in the trench and stake with 3/4" X 3/4" X 18" or 24" wood stakes at each end and one stake on center. When installing running lengths, Straw Wattle ends should be buttoned firmly together to prevent leakage, and securely staked together but overlapping is acceptable.
6. When used on slopes, Straw Wattles do not require removal and can be abandoned in place. However, when used for temporary purposes such as along sidewalks on curbs, or around storm drains, they can be removed and reused.
7. Wattles installed on slopes that are steeper than 2:1 should be spaced at 10' intervals rather than 20' intervals.

Title: Erosion Log  
Project: Public Works Manual  
Drawn: JB  
Checked:  
Sheet: Erosion Log.dwg

Date: 1/18/2018

# D5



## MIXED-USE DEVELOPMENT

263 SAWATCH DRIVE  
LOT 2, 700 CHAMBERS SUBDIVISION  
EAGLE, COLORADO

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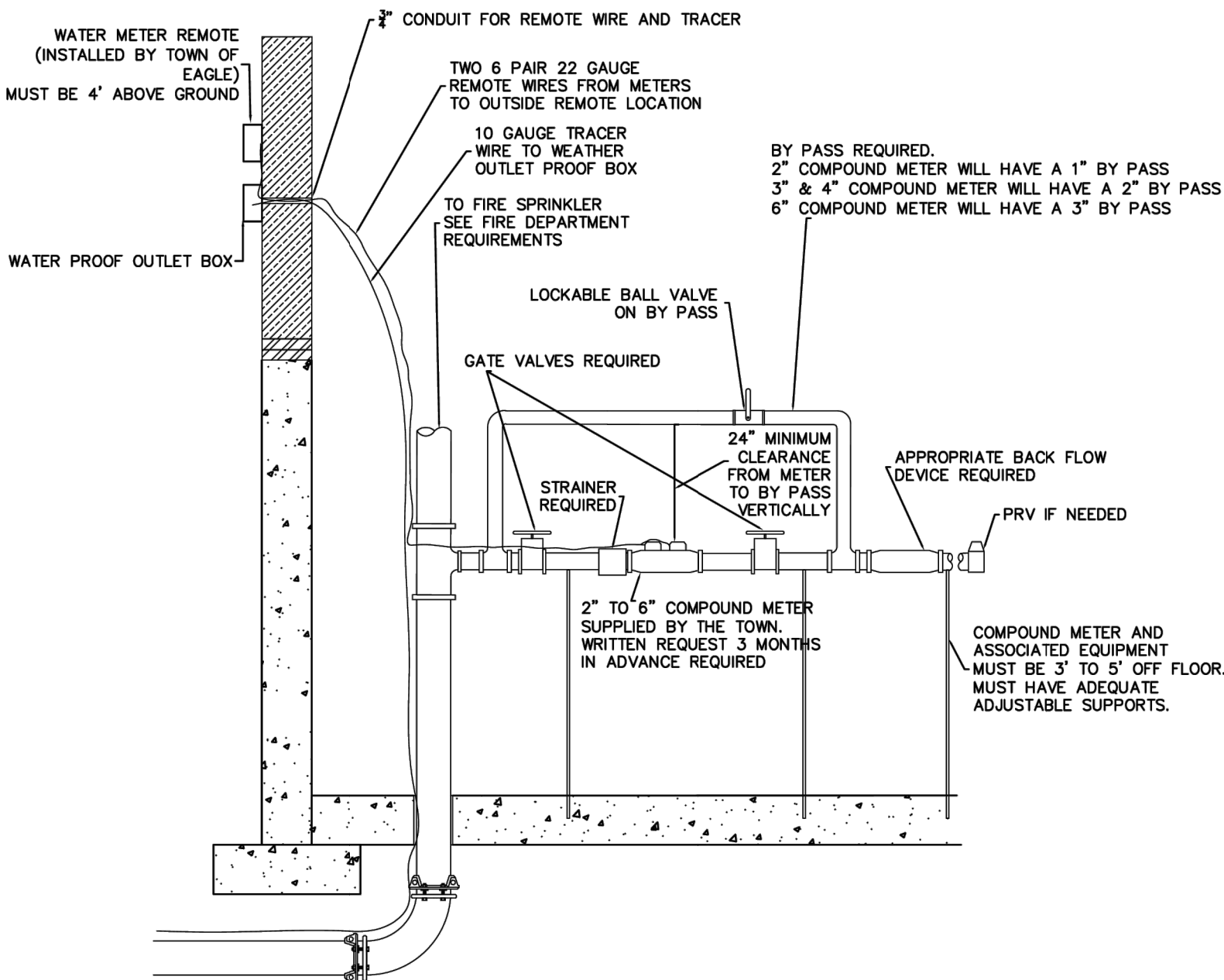
DESIGN BY:	J. YARNELL	NO.	ISSUE /REVISION	DATE	NAME
DRAWN BY:	J. YARNELL	1.	SCHEMATIC DESIGN (NO CONST.)	4/28/23	JUY
REVIEWED BY:	J. YARNELL	2.	DEVELOPMENT PERMIT SUBMISSION	5/24/23	JUY
		3.	GRADING PERMIT SUBMITTAL	5/24/23	JUY
PROJECT NO.:	19 022	4.	DEVELOPMENT PERMIT RESUBMITTAL	8/22/23	JUY
DATE:	10/4/2023	5.	DEVELOPMENT PERMIT RESUBMITTAL	10/4/23	JUY

SHEET TITLE  
C9.1 DETAILS (2)

SHEET NO.

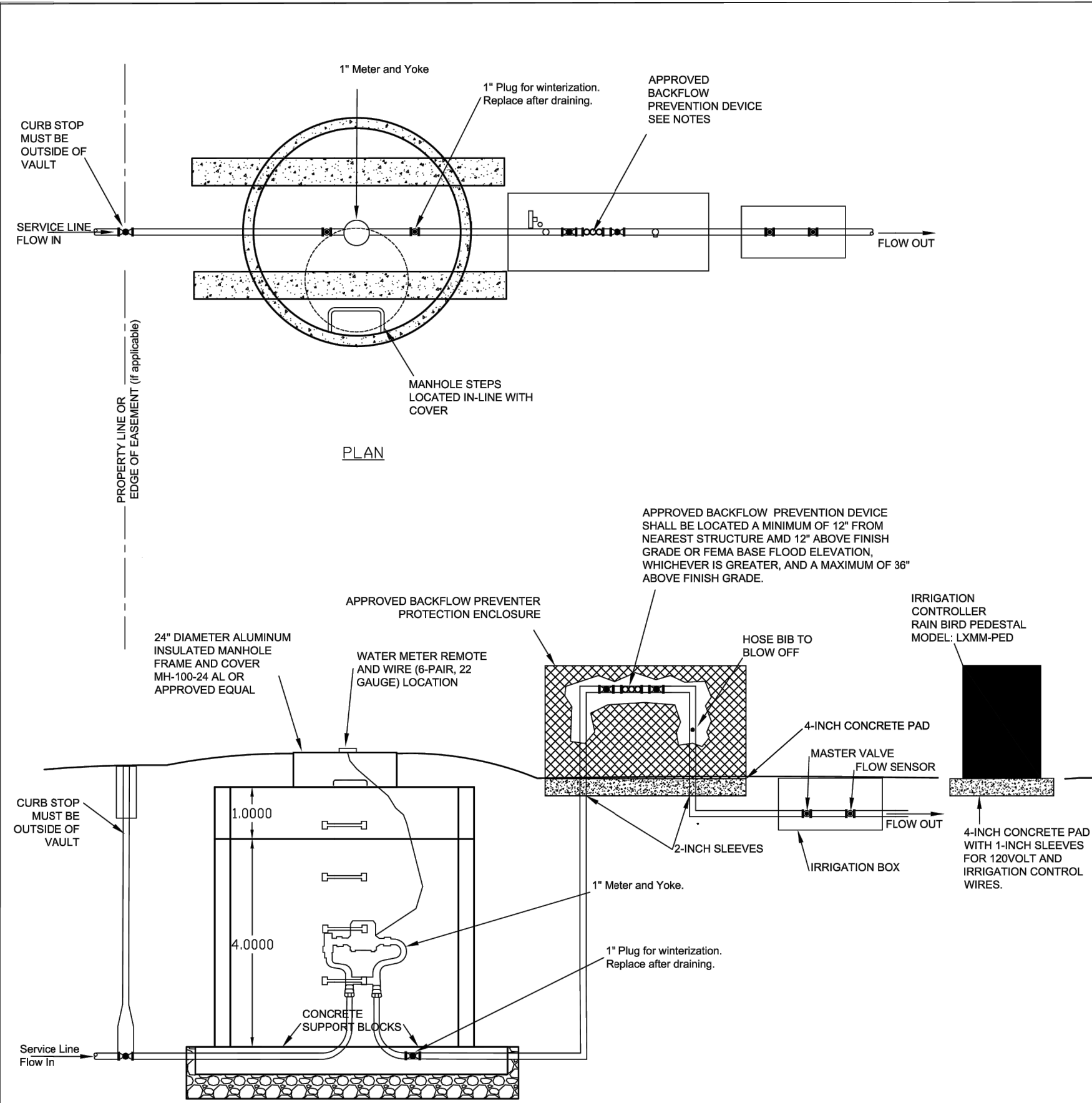


D:\DROPBOX\PROJECT FILES\19.022-263 SAWATCH DRIVE, EAGLE\PLANS\C15.1 DETAILS - BUILDING SERVICES



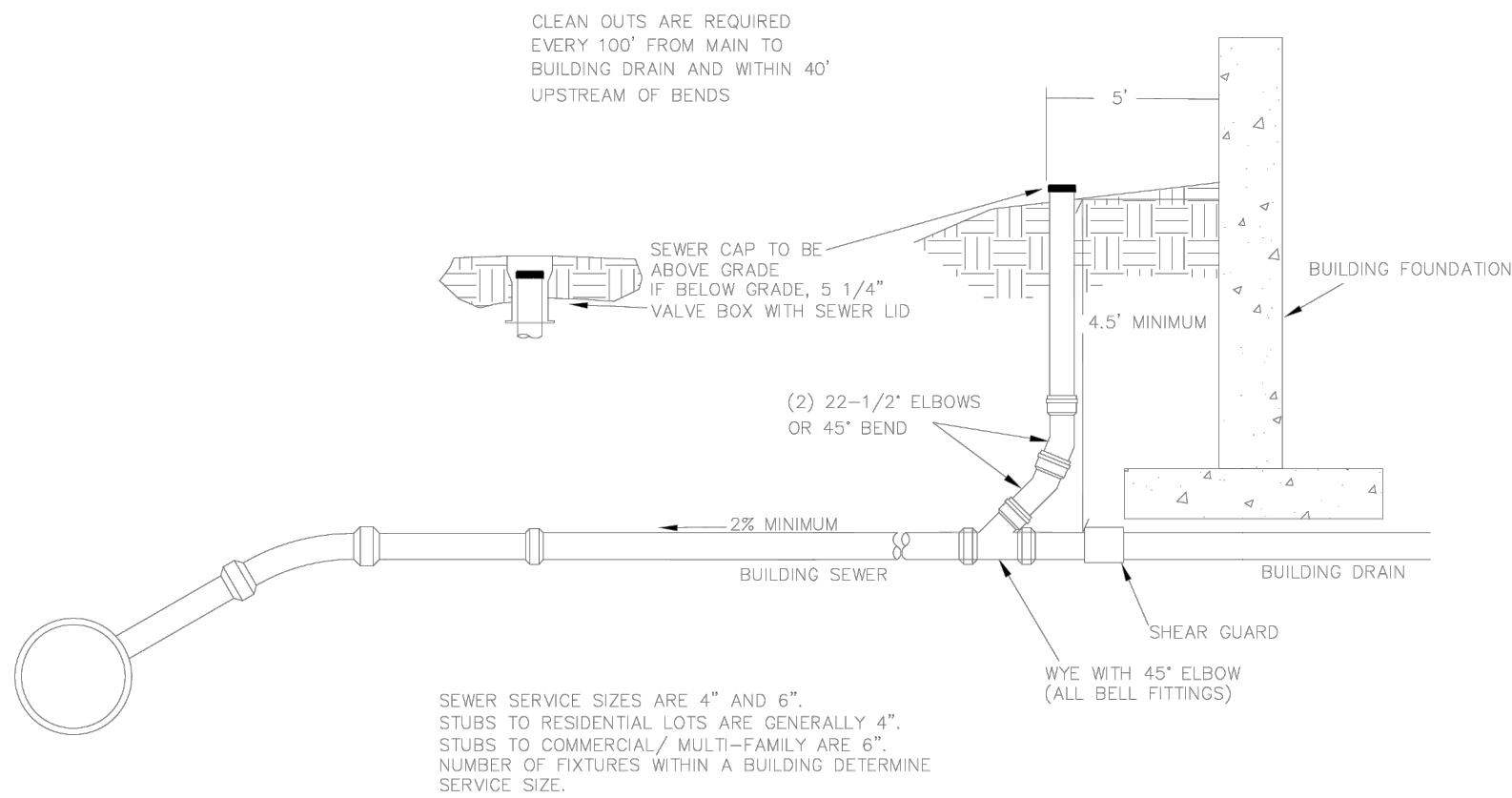
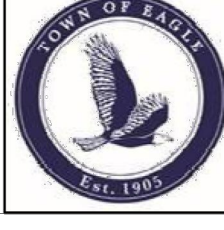
Title: DETAIL - Compound Meter Installation  
Project: Public Works Manual  
Drawn: JB  
Checked: TOE Compound Meter Building.dwg  
Date: 1/4/18

E2



Title: DETAIL 1" Irrigation Meter Vault  
Project: Public Works Manual  
Drawn: JB  
Checked: Standard Sewer Manhole.dwg  
Date: 1/18/2018

E4



Title: DETAIL - Building Sewer Service  
Project: Public Works Manual  
Drawn: JB  
Checked: TOE Building Sewer Service.dwg  
Date: 1/4/18

E7



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NO.	ISSUE / REVISION	NAME	DATE
1.	SCHEMATIC DESIGN (NO CONST.)	JULY	4/29/23
2.	DEVELOPMENT PERMIT SUBMISSION	JULY	5/24/23
3.	GRADING PERMIT SUBMITAL	JULY	5/24/23
4.	DEVELOPMENT PERMIT RESUBMITAL	JULY	8/22/23
5.	DEVELOPMENT PERMIT RESUBMITAL	JULY	10/4/23

SHEET TITLE  
DETAILS -  
BUILDING  
SERVICES

SHEET NO.  
C15.1

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MIXED-USE DEVELOPMENT  
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