

D:\DROPBOX\PROJECT FILES\22.010-THIRD STREET PARCEL, EAGLE\PLANS\C1 COVER SHEET

HABITAT FOR HUMANITY

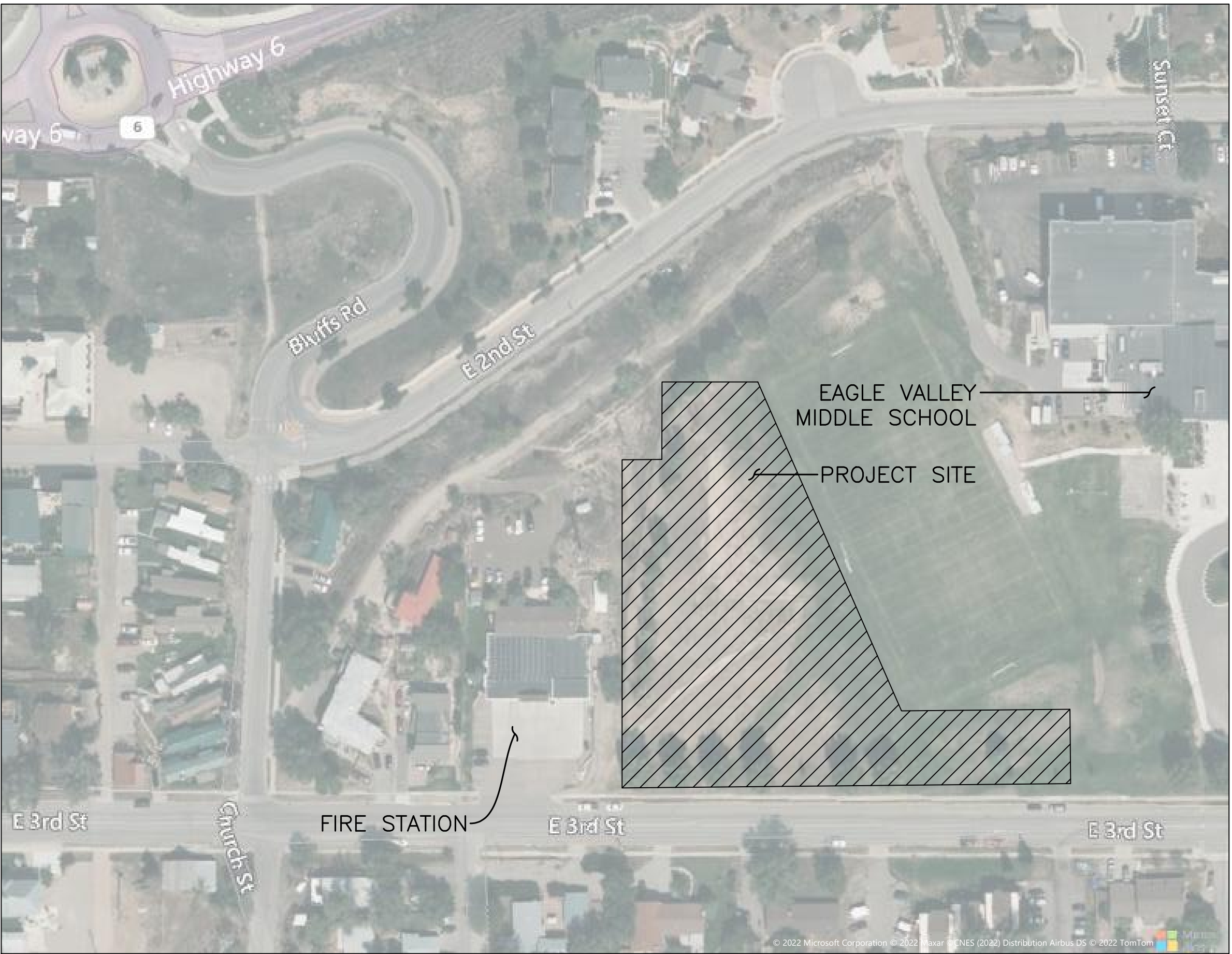
THIRD STREET PARCEL

EAGLE VALLEY MIDDLE SCHOOL PARCEL,

TOWN OF EAGLE, COUNTY OF EAGLE, STATE OF COLORADO

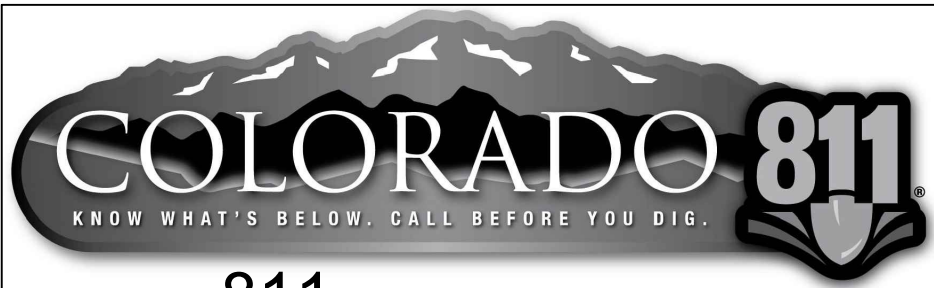
LEGEND

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	
	DESCRIPTIONS	
	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 N00°00'00"E
FROM THE SUBJECT PARCEL'S SOUTHWESTERLY PROPERTY CORNER, NORTH ALONG THE
INTERFACE WITH THE FIRE STATION PARCEL, AS SHOWN ON SHEET C2.

BENCHMARK: ELEVATIONS ARE BASED UPON THE NATIONAL GEODETIC SURVEY (N.G.S.)
BENCHMARK STATION 006.
ELEVATION = 6615.70 FEET (N.A.V.D. 88)

EXISTING TOPOGRAPHY SHOWN WAS TAKEN FROM THE "TOPOGRAPHIC MAP" COMPLETED BY
PEAK LAND CONSULTANTS AND DATED 11 MAY 2022.

SUBMITTALS / REVISIONS

1	SCHEMATIC DESIGN (NOT FOR CONSTRUCTION)	4/13/2022
2	DESIGN DEVELOPMENT (NOT FOR CONSTRUCTION)	6/1/2022
3	DEVELOPMENT PERMIT REVIEW (NOT FOR CONST.)	9/13/2022

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C13.1	Typical Storm Sewer Details
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HABITAT FOR HUMANITY

THIRD STREET PARCEL
EAGLE VALLEY MIDDLE SCHOOL
EAGLE, COLORADO

YARNELL CONSULTING &
CIVIL DESIGN, LLC

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

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.

NO.	ISSUE / REVISION	NAME	DATE
1.	SCHEMATIC DESIGN (NO CONST.)	J. YARNELL	4/13/22
2.	DESIGN DEVELOPMENT (NO CONST.)	J. YARNELL	6/1/22
3.	DEVELOPMENT PERMIT (NO CONST.)	J. YARNELL	9/13/22
4.			
5.			

DESIGN BY: J. YARNELL	PROJECT NO.: 22.010	DATE: 9/12/2022
DRAWN BY: J. YARNELL		
REVIEWED BY: J. YARNELL		

SHEET TITLE
COVER SHEET

SHEET NO.
C1

PROJECT CONTACTS

OWNER	JURISDICTION	ARCHITECT	CIVIL ENGINEER	LAND SURVEYOR
HABITAT FOR HUMANITY VAIL VALLEY 455 NOTTINGHAM RANCH ROAD AVON, COLORADO 81620 970-748-6718	TOWN OF EAGLE 200 BROADWAY EAGLE, COLORADO 81631 970-445-0847	EV STUDIO 5335 WEST 48TH AVENUE, SUITE 300 DENVER, COLORADO 80212 303-670-7242	YARNELL CONSULTING & CIVIL DESIGN P.O. BOX 3901 EAGLE, COLORADO 81631-3901 970-323-7008	PEAK LAND CONSULTANTS 1000 LION'S RIDGE LOOP VAIL, COLORADO 81657 970-476-8644
EMILY PEYTON	DENNIS WIKE	JAKE LAURESKA	JUSTIN YARNELL	BRENT BIGGS

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
JASON COX	KEITH HERNANDEZ	JASON SHARPE	DENNIS WIKE

D:\DROPBOX\PROJECT FILES\22.010-THIRD STREET PARCEL, EAGLE\PLANS\CI 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 STREETS, WATER UTILITY, STORM SEWER, AND SANITARY SEWER UTILITY 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 INSPECTOR 48 HOURS PRIOR TO THE START OF CONSTRUCTION. A PRE-CONSTRUCTION MEETING SHALL BE SCHEDULED WITH THE TOWN OF EAGLE 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 ABOVE ELEVATION 6600. THEREFORE, SPOT ELEVATION 85.26 CORRESPONDS TO USGS ELEVATION 6685.26.
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 INSPECTOR. 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 ENGINEERING 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 ENGINEERING 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 ENGINEERING 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.

CONTRACTOR 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. A COPY OF THE APPROVED PERMIT MUST BE SUBMITTED TO THE TOWN OF EAGLE ENGINEERING 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.

CONTRACTOR SHALL OBTAIN A COLORADO STATE CONSTRUCTION DEWATERING DISCHARGE PERMIT FROM THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT (CDPHE) FOR ALL AREAS WHERE DEWATERING IS REQUIRED AND WATER IS DISCHARGED INTO A STORM SEWER, CHANNEL, IRRIGATION DITCH, OR ANY WATERS OF THE UNITED STATES. A COPY OF THE APPROVED PERMIT MUST BE SUBMITTED TO THE TOWN OF EAGLE ENGINEERING DEPARTMENT PRIOR TO THE START OF ANY DEWATERING. A COPY OF THE APPROVED PERMIT MUST ALSO BE AVAILABLE ON THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION.
20.

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 INSPECTOR, AND THE GEOTECHNICAL ENGINEER AT THE TIME OF OCCURRENCE.
21.

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.

22.

PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION, THE CONTRACTOR SHALL CONTACT ALL UTILITIES TO COORDINATE SCHEDULES.
23.

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 WATER DEPARTMENT, AND TOWN OF EAGLE VALVES AND APPURTENANCES SHALL BE OPERATED BY TOWN OF EAGLE PERSONNEL, UNLESS WRITTEN PERMISSION IS GIVEN OTHERWISE.
24.

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 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.
25.

REFER TO LANDSCAPE PLANS PREPARED BY OTHERS FOR FINAL LANDSCAPE AND SPECIALTY LANDSCAPE FEATURES.
26.

COMPACTION OF ALL TRENCHES MUST BE ATTAINED, AND COMPACTION TEST RESULTS SUBMITTED TO THE ENGINEER AND THE TOWN OF EAGLE PRIOR TO FINAL ACCEPTANCE.
27.

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, UTILITY STRUCTURES, AND ANY OTHER IMPROVEMENT.
 - HORIZONTAL LOCATIONS BY NORTHING AND EASTING COORDINATES OF ALL UTILITY STRUCTURES, BENDS, CLEANOUTS, VALVES, TAPS, WYES, STUBS, PLUGS, TEES, ETC.
 - INVERT ELEVATIONS OF STORM SEWER AND SANITARY SEWER STRUCTURES, 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.
 - 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.
25.

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.
26.

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 INSPECTOR.
27.

CONTRACTOR SHALL REVIEW THE GEOTECHNICAL REPORT TITLED "SUBSOIL STUDY FOR FOUNDATION DESIGN, PROPOSED HOUSING PROJECT, EAST 3RD STREET, EAGLE, COLORADO," DATED 20 JUNE 2022, AND PREPARED BY KUMAR & ASSOCIATES 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.
28.

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.
29.

THE PLANS HAVE BEEN PREPARED BY YARNELL CONSULTING & CIVIL DESIGN, LLC IN ACCORDANCE WITH AND IN RELIANCE UPON THE GEOTECHNICAL REPORT TITLED "SUBSOIL STUDY FOR FOUNDATION DESIGN, PROPOSED HOUSING PROJECT, EAST 3RD STREET, EAGLE, COLORADO," DATED 20 JUNE 2022, AND PREPARED BY KUMAR & ASSOCIATES. 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.
30.

THE DESIGN PLANS SHOWN HEREON WERE DEVELOPED BASED UPON THE GEOTECHNICAL INVESTIGATIONS/ANALYSIS/ENGINEERING CRITERIA WITHIN THE GEOTECHNICAL REPORT TITLED "SUBSOIL STUDY FOR FOUNDATION DESIGN, PROPOSED HOUSING PROJECT, EAST 3RD STREET, EAGLE, COLORADO," DATED 20 JUNE 2022, AND PREPARED BY KUMAR & ASSOCIATES, SIGNED AND SEALED BY STEVEN PAWLAK, 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	TOP OF WALL
UD	UNDER DRAIN
UG	UNDERGROUND
VERT	VERTICAL
VC	VERTICAL CURVE
W	WATER LINE

NOTE: TOW, SHALL BE TOP OF WATER ON UTILITY SHEETS ONLY AND TOP OF WALL ON ALL OTHER SHEETS.

HABITAT FOR HUMANITY
THIRD STREET PARCEL
EAGLE VALLEY MIDDLE SCHOOL
EAGLE, COLORADO

YARNELL CONSULTING &
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(970) 323-7008

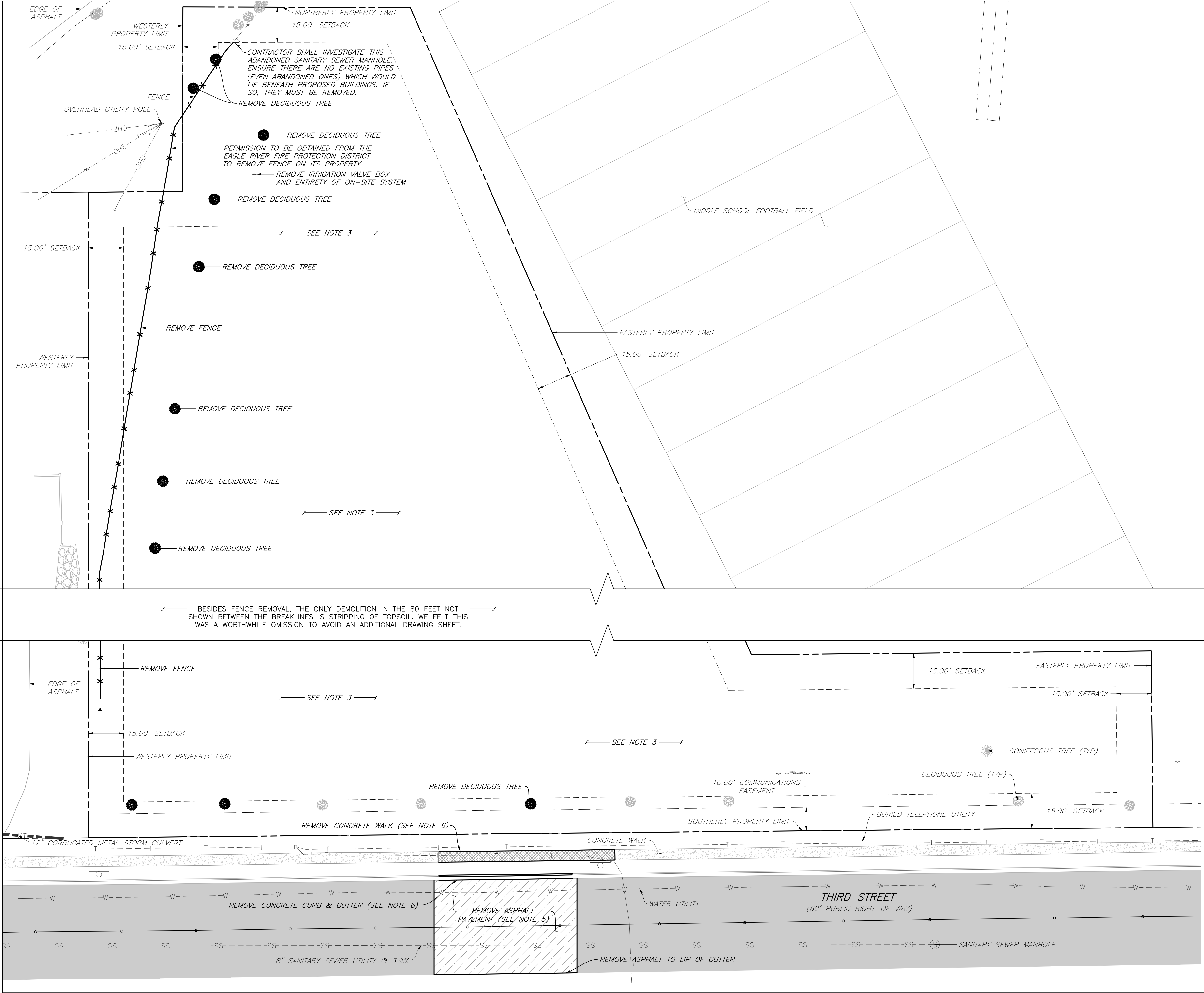
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3.	DEVELOPMENT PERMIT (NO CONST.)	J. YARNELL	9/13/22
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SHEET TITLE
GENERAL NOTES
&
ABBREVIATIONS

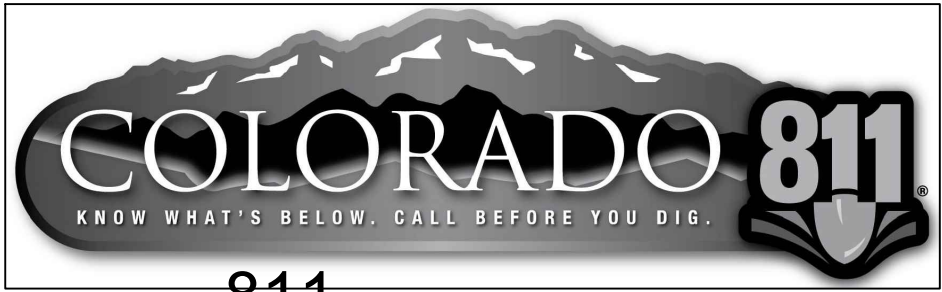
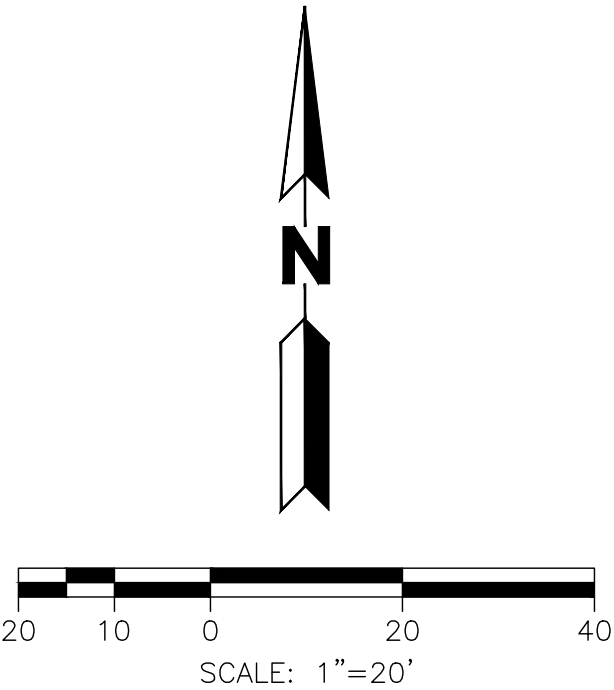
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D:\DROPOBOX\PROJECT FILES\22.010-THIRD STREET PARCEL, EAGLE\PLANS\C2 EXISTING CONDITIONS & DEMO PLAN



NOTES:

- ITEMS NOT SPECIFICALLY IDENTIFIED FOR REMOVAL SHALL REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION.
- FOR TREE REMOVAL, RE: LANDSCAPE.
- REMOVE VEGETATION, THEN STRIP AND STOCKPILE TOPSOIL WITHIN PROPERTY LIMITS BUT OUTSIDE THE DRIPLINES OF ALL TREES SLATED TO REMAIN.
- INSTALL TREE PROTECTION AND PERIMETER CONTROL BEST MANAGEMENT PRACTICES PRIOR TO COMMENCING DEMOLITION/CLEARING ACTIVITIES.
- 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.
- ALL CONCRETE SLATED FOR REMOVAL SHALL BE SAWCUT ALONG THE NEAREST EXISTING JOINT.
- FOR ALL UTILITY SERVICE REMOVALS AND RELOCATIONS, REFER TO THE APPROPRIATE ENGINEER'S DRAWINGS.
- ALL REMOVED ITEMS SHALL BE PROPERLY DISPOSED OFF-SITE.



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

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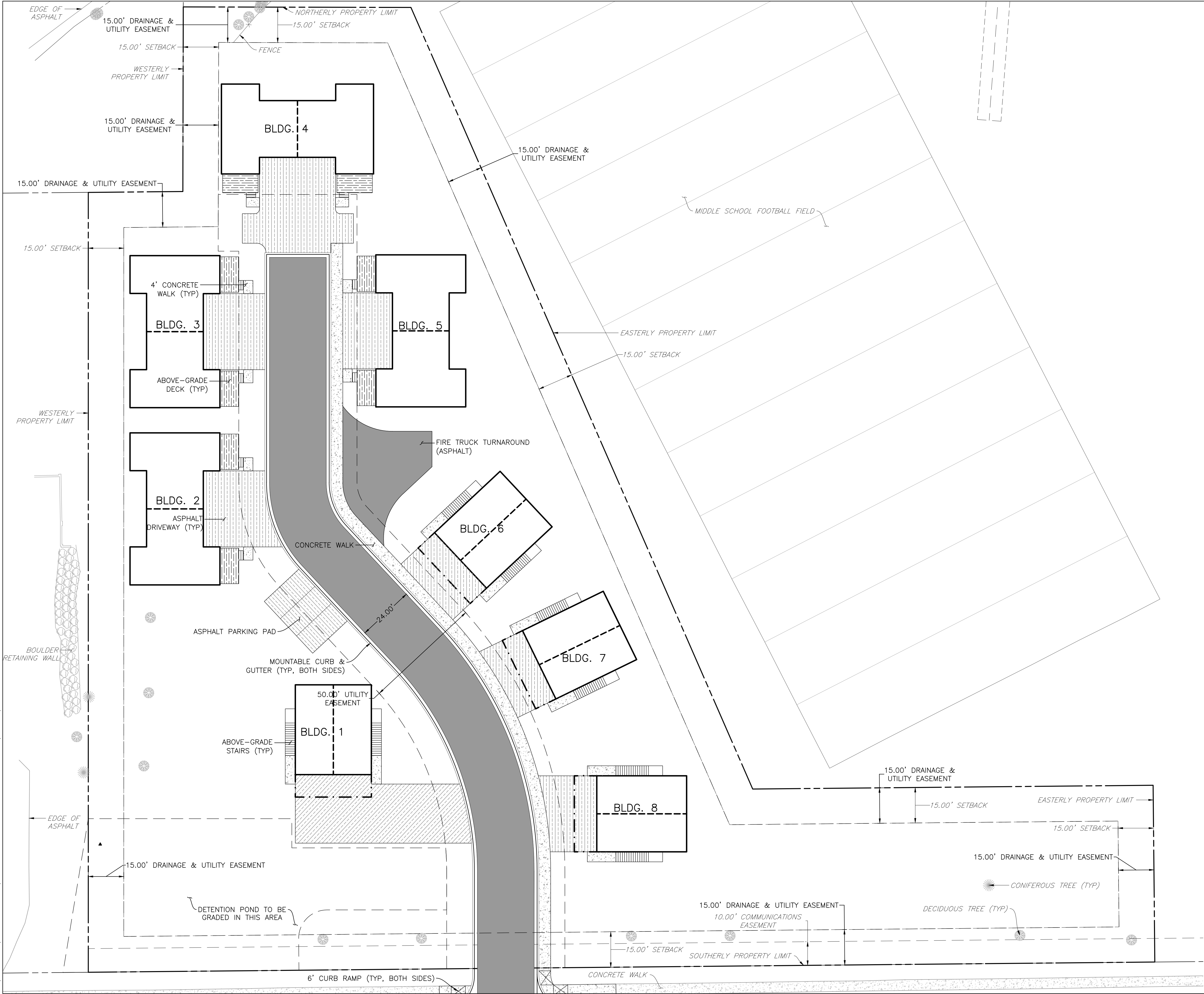
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4.			JUY
5.			JUY

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DRAWN BY: J. YARNELL	
REVIEWED BY: J. YARNELL	
PROJECT NO.: 22.010	

SHEET TITLE
EXISTING
CONDITIONS &
DEMO PLAN

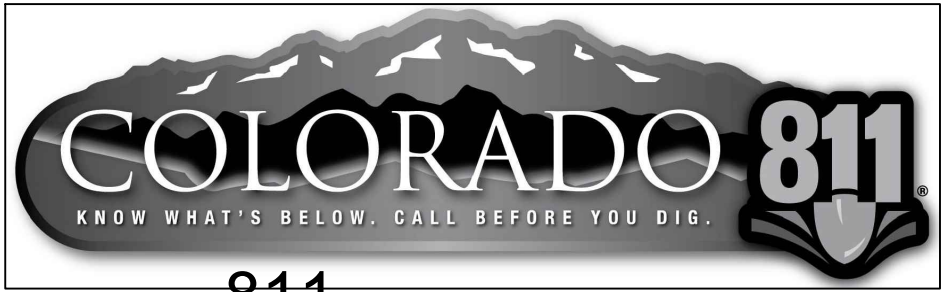
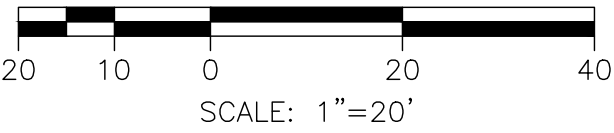
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C2

D:\DROPBOX\PROJECT FILES\22.010-THIRD STREET PARCEL, EAGLE\PLANS\C3 SITE PLAN



NOTES:

- BUILDING LOCATION AND EXTENTS WAS PREPARED BY EV STUDIO AND RECEIVED ELECTRONICALLY ON 24 AUGUST 2022. ANY SUBSEQUENT UPDATES ARE NOT REFLECTED IN THESE DRAWINGS.
- FOR ALL LANDSCAPING DETAILS AND INFORMATION, RE: ARCHITECT.
- FOR ASPHALT PAVEMENT SECTIONS, RE: GEOTECHNICAL ENGINEER.
- ALL WORK SHALL BE CONSTRAINED TO THE LIMITS OF DISTURBANCE.
- ASPHALT PATCHBACKS MUST BE PER THE TOWN OF EAGLE "PUBLIC WORKS MANUAL." PROVIDE INFRARED JOINTS PER DETAIL C13.



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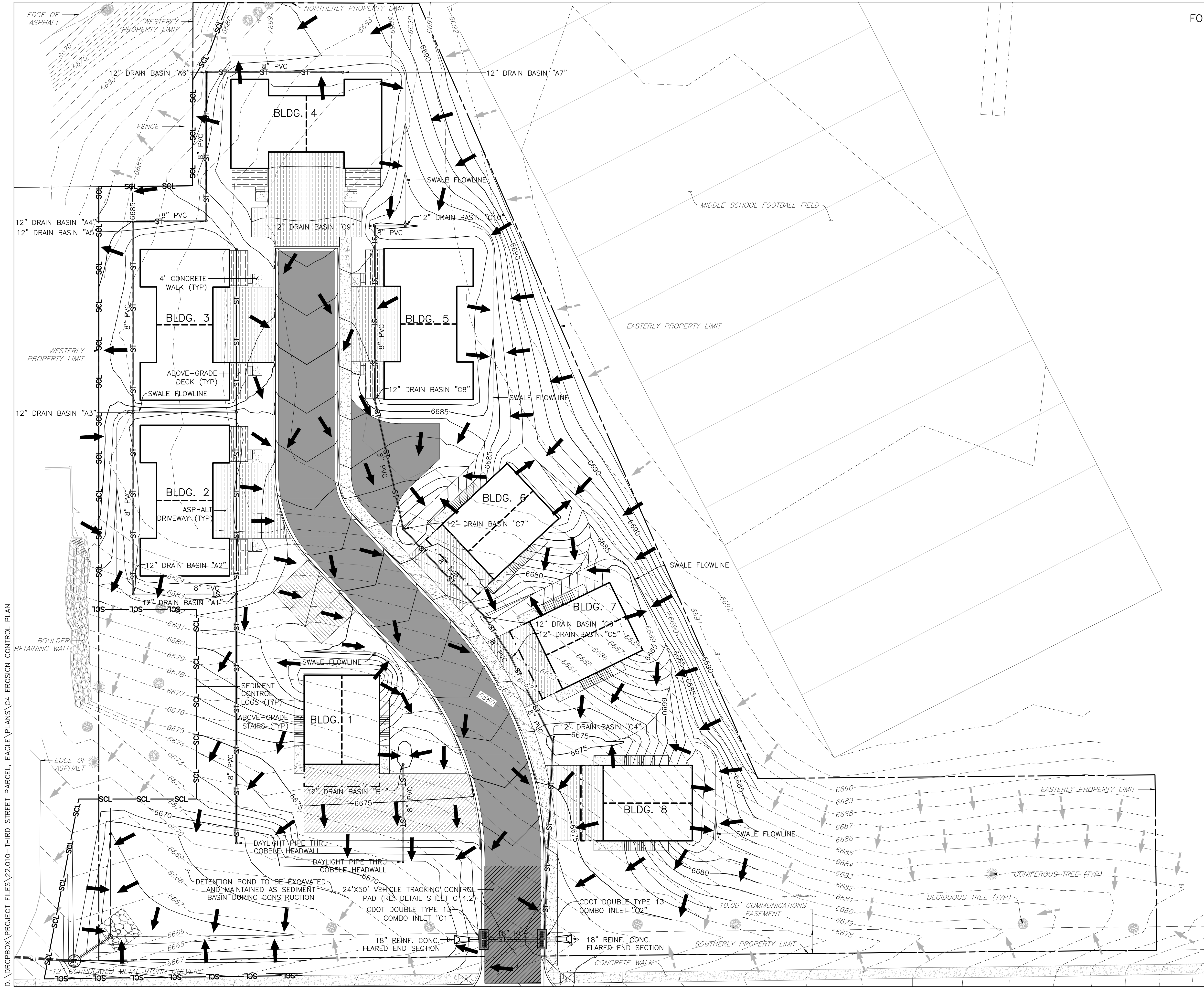
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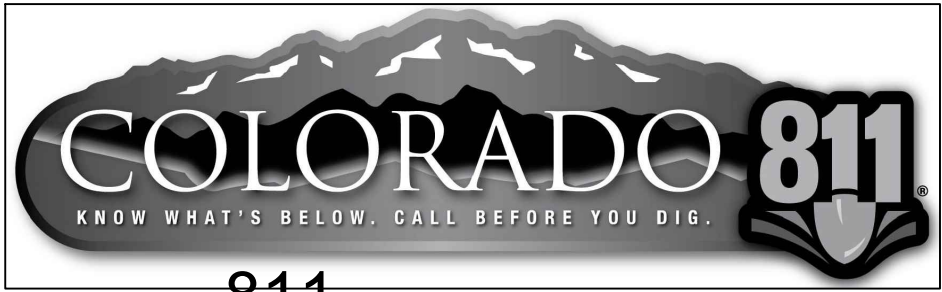
SHEET TITLE
SITE PLAN

SHEET NO.
C3

D:\DROPOX\PROJECT FILES\22.010--THIRD STREET PARCEL, EAGLE\PLANS\C4 EROSION CONTROL PLAN



FOR EROSION CONTROL NOTES, RE: SHEET C4.1



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SHEET TITLE
EROSION
CONTROL PLAN

SHEET NO.
C4.0

D:\DROPBOX\PROJECT FILES\22.010-THIRD STREET PARCEL, EAGLE\PLANS\C4 EROSION CONTROL PLAN

EROSION CONTROL NOTES:

1.

THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS, AND IMPLEMENTING AND MAINTAINING EROSION AND SEDIMENT CONTROL MEASURES AT ALL TIMES DURING CONSTRUCTION TO PREVENT DAMAGING FLOWS ON THE SITE AND IN THE WATERSHED BELOW THE SITE. CONTROL SYSTEMS SHALL BE INSTALLED PRIOR TO STRIPPING OF NATIVE VEGETATIVE COVER AND AS GRADING PROGRESSES. CONDITIONS IN THE FIELD MAY WARRANT EROSION CONTROL MEASURES IN ADDITION TO WHAT IS SHOWN ON THESE PLANS AND WITHIN THE NARRATIVE. THE APPROACH MAY BE MODIFIED WITH APPROPRIATE APPROVALS AS FIELD CONDITIONS WARRANT.
2.

NATURAL VEGETATION SHALL BE RETAINED AND PROTECTED WHEREVER POSSIBLE. EXPOSURE OF SOIL TO EROSION BY REMOVAL OR DISTURBANCE OF VEGETATION SHALL BE LIMITED TO THE AREA REQUIRED FOR IMMEDIATE CONSTRUCTION OPERATION AND FOR THE SHORTEST PRACTICAL PERIOD OF TIME.
3.

TOPSOIL SHALL BE STOCKPILED TO THE EXTENT PRACTICAL ON THE SITE FOR USE ON AREAS TO BE REVEGETATED. ANY AND ALL STOCKPILES SHALL BE LOCATED AND PROTECTED FROM EROISIVE ELEMENTS.
4.

AT ALL TIMES, THE PROPERTY SHALL BE MAINTAINED AND/OR WATERED TO PREVENT WIND-CAUSED EROSION. EARTHWORK OPERATIONS SHALL BE DISCONTINUED WHEN FUGITIVE DUST SIGNIFICANTLY IMPACTS ADJACENT PROPERTY. IF EARTHWORK IS COMPLETE OR DISCONTINUED AND DUST FROM THE SITE CONTINUES TO CREATE PROBLEMS, THE CONTRACTOR SHALL IMMEDIATELY INSTITUTE MITIGATIVE MEASURES AND SHALL CORRECT DAMAGE TO ADJACENT PROPERTY.
5.

PERMANENT OR TEMPORARY SOIL-STABILIZATION MEASURES SHALL BE APPLIED TO DISTURBED AREAS WITHIN 30 DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. UNLESS SPECIFIED OTHERWISE, TEMPORARY VEGETATION SHALL BE INSTALLED ON ALL DISTURBED AREAS WHERE PERMANENT SURFACE IMPROVEMENTS ARE NOT SCHEDULED FOR INSTALLATION WITHIN THREE MONTHS. TEMPORARY VEGETATION SHALL BE A VIGOROUS, DROUGHT-TOLERANT, NATIVE SPECIES MIX. PROJECT SCHEDULING SHOULD TAKE ADVANTAGE OF SPRING OR FALL PLANTING SEASONS FOR NATURAL GERMINATION, BUT SEEDED AREAS SHALL BE IRRIGATED, IF CONDITIONS MERIT. REFER TO THE LANDSCAPE PLAN FOR FINAL LANDSCAPING.
6.

TEMPORARY FENCES SHALL BE INSTALLED ALONG ALL BOUNDARIES OF THE CONSTRUCTION LIMITS TO PREVENT GRADING ON PROPERTY NOT OWNED BY THE OWNER/DEVELOPER. IN ADDITION, THE TOWN OF EAGLE MAY REQUIRE ADDITIONAL TEMPORARY FENCES IF FIELD CONDITIONS WARRANT.
7.

THE CONTRACTOR SHALL PREVENT SEDIMENT, DEBRIS AND ALL OTHER POLLUTANTS FROM LEAVING THE SITE DURING ALL DEMOLITION, EXCAVATION, TRENCHING, GRADING OR OTHER CONSTRUCTION OPERATIONS THAT ARE PART OF THIS PROJECT. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR REMEDIATION OF ANY ADVERSE IMPACTS TO ADJACENT WATERWAYS, ROADWAYS, WETLANDS, ETC., RESULTING FROM WORK DONE AS PART OF THIS PROJECT.
8.

THE CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN INADVERTENTLY DISCHARGED TO, OR ACCUMULATED IN, THE FLOWLINES AND PUBLIC RIGHT-OF-WAY AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT.
9.

THE GRADING CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL INSURE THAT ALL LOADS OF CUT AND FILL MATERIAL IMPORTED TO OR EXPORTED FROM THIS SITE SHALL BE PROPERLY COVERED TO PREVENT LOSS OF THE MATERIAL DURING TRANSPORT ON PUBLIC ROADWAYS.
10.

APPROVED EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND KEPT IN GOOD REPAIR FOR THE DURATION OF THIS PROJECT. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL CONTROL MEASURES WEEKLY AND AFTER PRECIPITATION EVENTS WHICH GENERATE RUNOFF. ALL NECESSARY MAINTENANCE AND REPAIR SHALL BE COMPLETED IN A TIMELY MANNER. ACCUMULATED SEDIMENT AND DEBRIS SHALL BE REMOVED FROM A CONTROL MEASURE BEFORE THE SEDIMENT LEVEL REACHES ONE-HALF THE HEIGHT OF THE CONTROL MEASURE OR, AT ANY TIME THAT SEDIMENT OR DEBRIS ADVERSELY IMPACTS THE FUNCTIONING OF THE CONTROL MEASURE.
11.

WATER USED IN THE CLEANING OF CONCRETE TRUCK DELIVERY CHUTES SHALL BE DISCHARGED INTO A PREDEFINED, BERMED CONTAINMENT AREA ON THE JOB SITE. THE REQUIRED CONTAINMENT AREA IS TO BE BERMED SO THAT WASH WATER IS TOTALLY CONTAINED. WASH WATER DISCHARGED INTO THE CONTAINMENT AREA SHALL NOT BE ALLOWED TO INFILTRATE BUT MAY EVAPORATE. DRIED CEMENT WASTE SHALL BE REMOVED FROM THE CONTAINMENT AREA AND PROPERLY DISPOSED OF. SHOULD A PREDEFINED, BERMED CONTAINMENT AREA NOT BE AVAILABLE DUE TO THE PROJECT SIZE, OR LACK OF AN AREA WITH A SUITABLE GROUND SURFACE FOR ESTABLISHING A CONTAINMENT AREA, PROPER DISPOSAL OF READY-MIX WASH-OUT AND RINSE-OFF WATER AT THE JOB SITE SHALL CONFORM TO THE APPROVED TECHNIQUES AND PRACTICES IDENTIFIED IN THE COLORADO DEPARTMENT OF PUBLIC HEALTH & ENVIRONMENT'S TRAINING VIDEO ENTITLED "BUILDING FOR A CLEANER ENVIRONMENT, READY MIX WASHOUT TRAINING", AND ITS ACCOMPANYING MANUAL ENTITLED, "READY MIX WASHOUT GUIDEBOOK, VEHICLE AND EQUIPMENT WASHOUT AT CONSTRUCTION SITES." THE DIRECT OR INDIRECT DISCHARGE OF WATER CONTAINING WASTE CEMENT TO THE STORM SEWER SYSTEM IS PROHIBITED. INFORMATION ABOUT, OR COPIES OF THE VIDEO AND TRAINING MANUAL ARE AVAILABLE FROM THE WATER QUALITY CONTROL DIVISION, COLORADO DEPARTMENT OF PUBLIC HEALTH & ENVIRONMENT, 4300 CHERRY CREEK DRIVE SOUTH, DENVER, COLORADO 80222-1530, 303-692-3555.
12.

THE CONTRACTOR SHALL PROTECT THE WATERSHED AND/OR ALL STORM SEWER FACILITIES ADJACENT TO ANY LOCATION WHERE PAVEMENT CUTTING OPERATIONS INVOLVING WHEEL CUTTING, SAW CUTTING, OR ABRASIVE WATER JET CUTTING ARE TO TAKE PLACE. THE CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL WASTE PRODUCTS GENERATED BY SAID CUTTING OPERATIONS ON A DAILY BASIS. THE DISCHARGE OF ANY WATER CONTAMINATED BY WASTE PRODUCTS FROM CUTTING OPERATIONS TO THE WATERSHED AND/OR STORM SEWER SYSTEM IS PROHIBITED.
13.

PAVED SURFACES WHICH ARE ADJACENT TO CONSTRUCTION SITES SHALL BE SWEPT IN A TIMELY MANNER WHEN SEDIMENT AND OTHER MATERIALS ARE TRACKED OR DISCHARGED ON TO THEM. EITHER SWEEPING BY HAND OR USE OF STREET SWEEPERS IS ACCEPTABLE. STREET SWEEPERS USING WATER WHILE SWEEPING IS PREFERRED IN ORDER TO MINIMIZE DUST. FLUSHING OFF PAVED SURFACES WITH WATER IS PROHIBITED.
14.

SEDIMENT FROM AREAS DISTURBED BY CONSTRUCTION SHALL BE RETAINED ON-SITE USING STRUCTURAL CONTROLS TO THE MAXIMUM EXTENT PRACTICAL.
15.

STOCKPILES OF SOIL SHALL BE PROPERLY CONTAINED TO MINIMIZE SEDIMENT TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES OR ADJACENT PROPERTIES VIA RUNOFF, VEHICLE TACKING, OR WIND.
16.

RUNOFF FROM EQUIPMENT AND VEHICLE WASHING SHALL BE CONTAINED AT CONSTRUCTION SITES UNLESS TREATED TO REDUCE OR REMOVE SEDIMENT AND OTHER POLLUTANTS.
17.

ALL CONSTRUCTION CONTRACTOR AND SUBCONTRACTOR PERSONNEL ARE TO BE MADE AWARE OF THE REQUIRED CONTROL AND GOOD HOUSEKEEPING MEASURES FOR THE PROJECT SITE AND ANY ASSOCIATED CONSTRUCTION STAGING AREAS.
18.

AT THE END OF EACH DAY OF CONSTRUCTION ACTIVITY, ALL CONSTRUCTION DEBRIS AND WASTE MATERIALS SHALL BE COLLECTED AND PROPERLY DISPOSED IN TRASH OR RECYCLE BINS.
19.

CONSTRUCTION SITES SHALL BE MAINTAINED IN SUCH A CONDITION THAT AN ANTICIPATED STORM DOES NOT CARRY WASTES OR POLLUTANTS OFF THE SITE. DISCHARGES OF MATERIAL OTHER THAN STORMWATER ONLY WHEN NECESSARY FOR PERFORMANCE AND COMPLETION OF CONSTRUCTION PRACTICES AND WHERE THEY DO NOT: CAUSE OR CONTRIBUTE TO A VIOLATION OF ANY WATER QUALITY STANDARD; CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR NUISANCE; OR CONTAIN A HAZARDOUS SUBSTANCE IN A QUANTITY REPORTABLE UNDER FEDERAL REGULATIONS 40 CFR PARTS 117 AND 302.
20.

POTENTIAL POLLUTANTS INCLUDE BUT ARE NOT LIMITED TO: SOLID OR LIQUID CHEMICAL SPILLS; WASTES FROM PAINTS, STAINS, SEALANTS, GLUES, LIMES, PESTICIDES, HERBICIDES, WOOD PRESERVATIVES AND SOLVENTS; ASBESTOS FIBERS, PAINT FLAKES OR STUCCO FRAGMENTS; FUELS, OILS, LUBRICANTS, AND HYDRAULIC, RADIATOR OR BATTERY FLUIDS; FERTILIZERS, VEHICLE/EQUIPMENT WASH WATER AND CONCRETE WASH WATER; CONCRETE, DETERGENT OR FLOATABLE WASTES; WASTES FROM ANY ENGINE/EQUIPMENT STEAM CLEANING OR CHEMICAL DEGREASING AND SUPERCHLORINATED POTABLE WATER LINE FLUSHING. DURING CONSTRUCTION, PERMITTEE SHALL DISPOSE OF SUCH MATERIALS IN A SPECIFIED AND CONTROLLED TEMPORARY AREA ON-SITE, PHYSICALLY SEPARATED FROM POTENTIAL STORMWATER RUNOFF, WITH ULTIMATE DISPOSAL IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
21.

GRADED AREAS ON THE PERMITTED AREA PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPES AT THE CONCLUSION OF EACH WORKING DAY. DRAINAGE IS TO BE DIRECTED TOWARD DESILTING FACILITIES.
22.

THE PERMITTEE AND CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATER CREATES A HAZARDOUS CONDITION.
23.

THE PERMITTEE AND CONTRACTOR SHALL INSPECT THE EROSION CONTROL WORK AND INSURE THAT THE WORK IS IN ACCORDANCE WITH THE APPROVED PLANS.
24.

THE PERMITTEE SHALL NOTIFY ALL GENERAL CONTRACTORS, SUBCONTRACTORS, MATERIAL SUPPLIERS, LESSEES, AND PROPERTY OWNERS THAT DUMPING OF CHEMICALS INTO THE STORM DRAIN SYSTEM OR THE WATERSHED IS PROHIBITED.

25.

EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. NECESSARY MATERIALS SHALL BE AVAILABLE ON SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
26.

ALL REMOVABLE EROSION PROTECTIVE DEVICES SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE 5-DAY RAIN PROBABILITY FORECAST EXCEEDS 40%.
27.

SEDIMENTS FROM AREAS DISTURBED BY CONSTRUCTION SHALL BE RETAINED ON-SITE USING AN EFFECTIVE COMBINATION OF EROSION AND SEDIMENT CONTROLS TO THE MAXIMUM EXTENT PRACTICAL, AND STOCKPILES OF SOIL SHALL BE PROPERLY CONTAINED TO MINIMIZE SEDIMENT TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES OR ADJACENT PROPERTIES VIA RUNOFF, VEHICLE TRACKING, OR WIND.
28.

APPROPRIATE CONTROL MEASURES FOR CONSTRUCTION-RELATED MATERIALS, WASTES, SPILLS OR RESIDUES SHALL BE IMPLEMENTED AND RETAINED ON-SITE TO MINIMIZE TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES, OR ADJOINING PROPERTY BY WIND OR RUNOFF.
29.

FOR DETAILS OF ALL CONTROL MEASURES PROPOSED ON-SITE, RE: SWMP NARRATIVE.
30.

PROVIDE EROSION CONTROL BLANKETS ON ALL SLOPES WHICH EXCEED 3:1. BLANKETS SHALL HAVE A MINIMUM LIFESPAN OF 30 MONTHS AND BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED DOCUMENTATION.

HABITAT FOR HUMANITY

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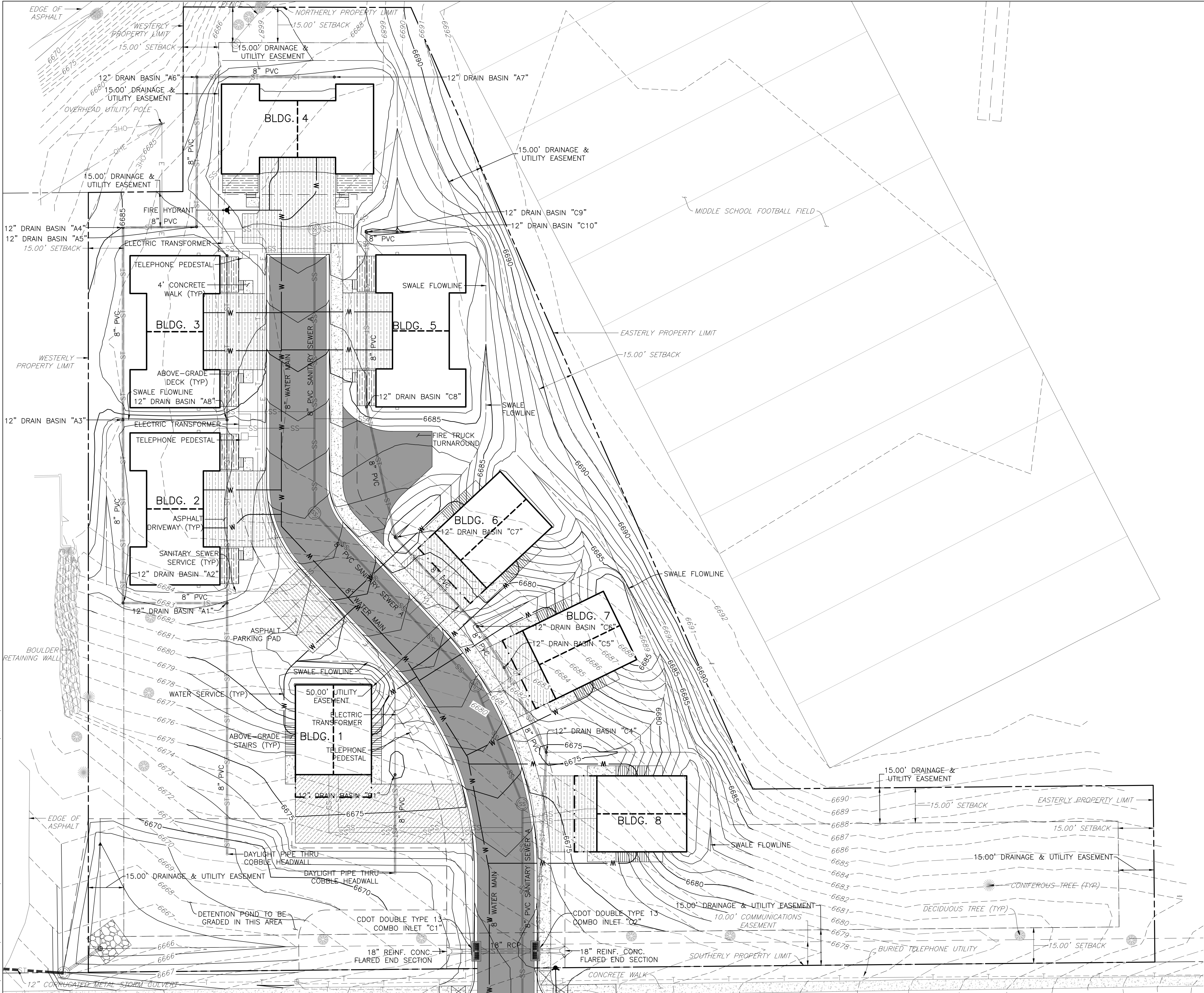
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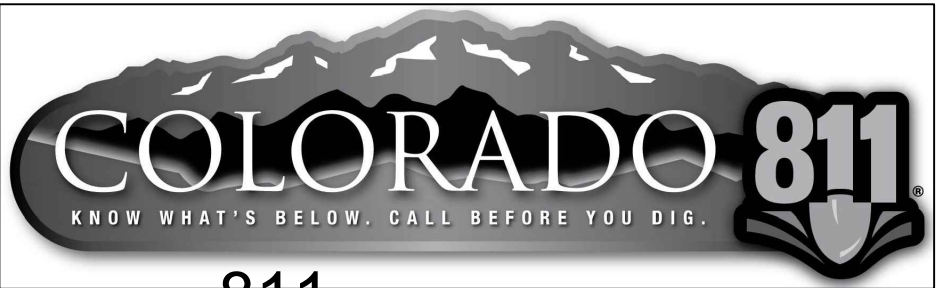
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CONTROL NOTES

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C4.1

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FOR GRADING NOTES, RE: SHEET C5.4



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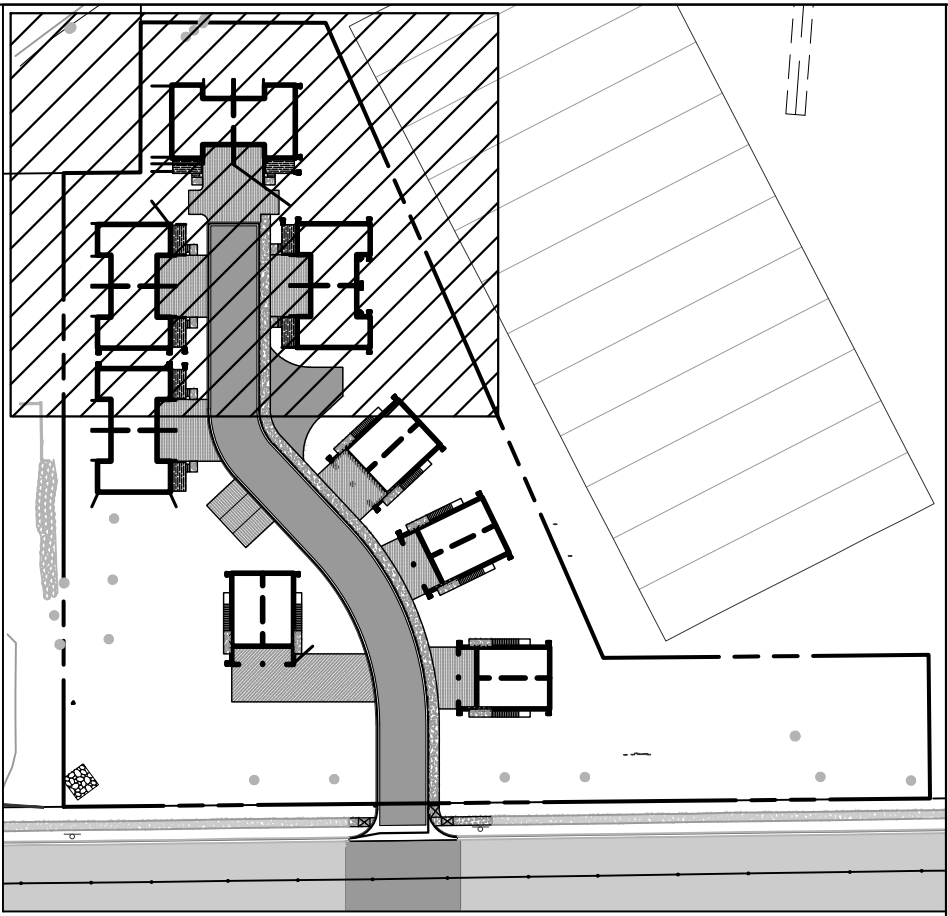
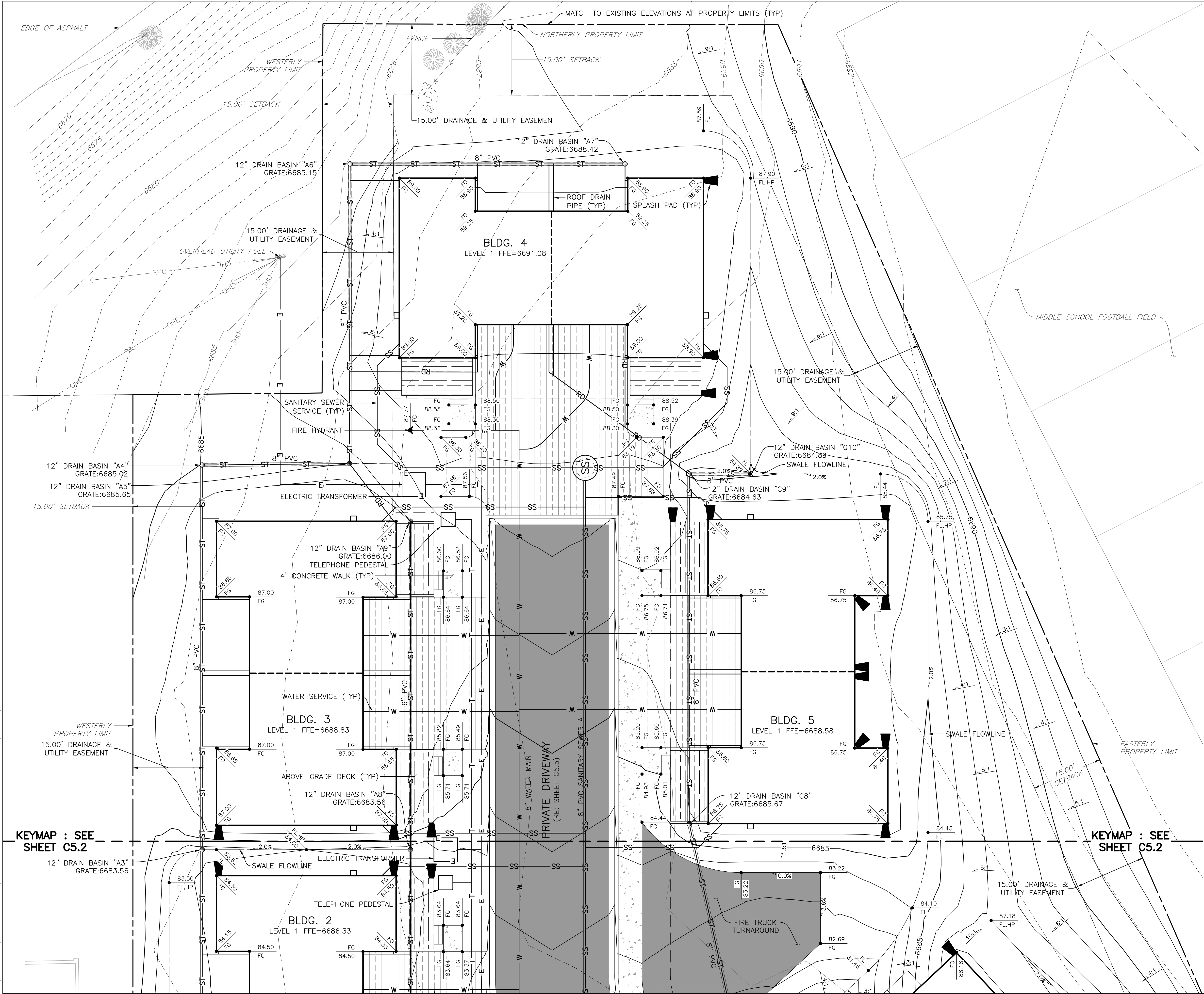
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1.	SCHEMATIC DESIGN (NO. CONST.)	J. YARNELL	4/13/22
2.	DESIGN DEVELOPMENT (NO. CONST.)	J. YARNELL	6/1/22
3.	DEVELOPMENT PERMIT (NO. CONST.)	J. YARNELL	9/13/22
4.			
5.			

DESIGN BY: J. YARNELL	DATE: 9/12/2022
DRAWN BY: J. YARNELL	
REVIEWED BY: J. YARNELL	
PROJECT NO.: 22.010	

SHEET TITLE
OVERALL
GRADING PLAN

SHEET NO.
C5.0

D:\DROPBOX\PROJECT FILES\22.010-THIRD STREET PARCEL, EAGLE\PLANS\C5.1 DETAILED GRADING PLAN



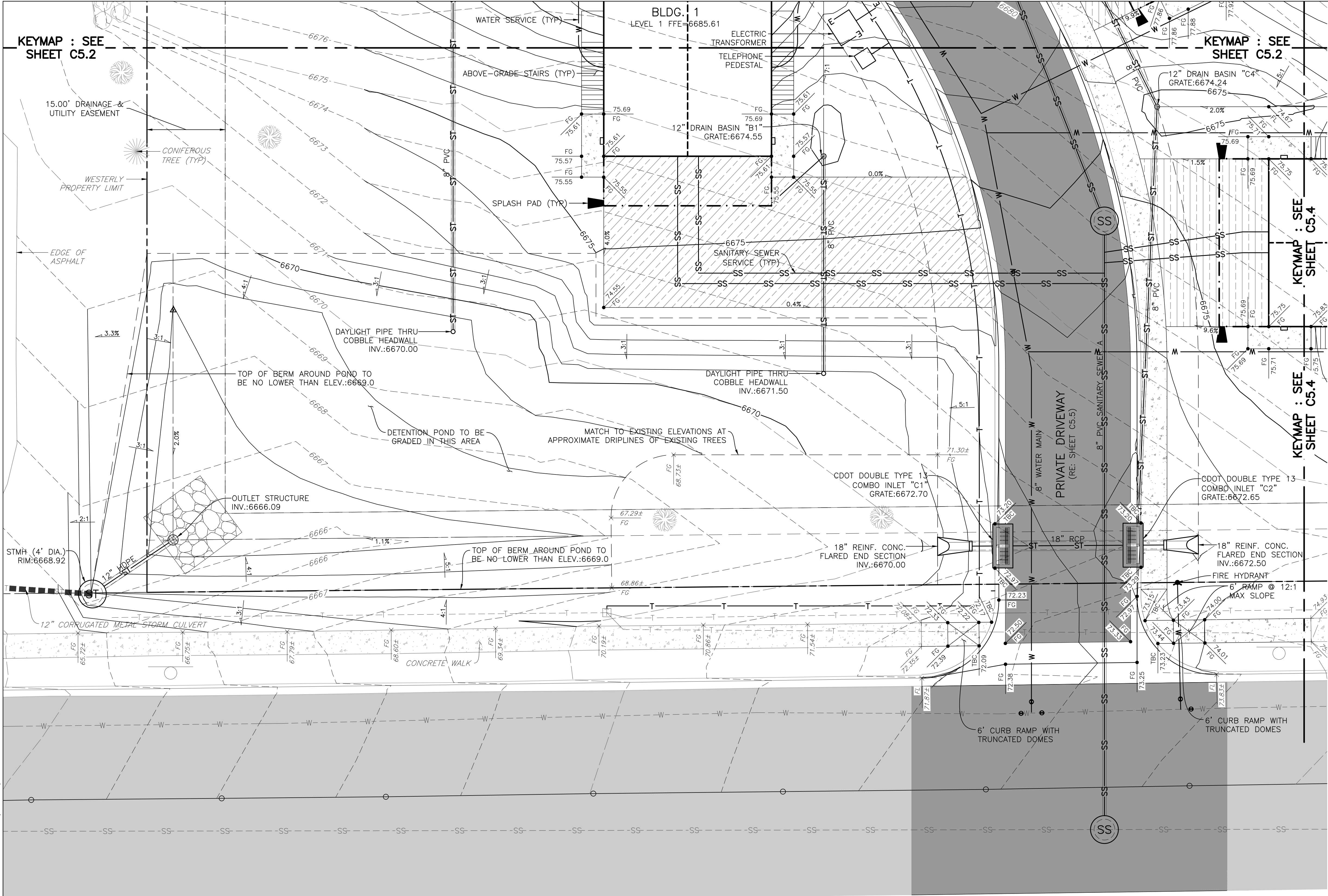
KEYMAP

SCALE: 1"=100'

FOR GRADING NOTES, RE: SHEET C5.4

YARNELL CONSULTING & CIVIL DESIGN, LLC		P.O. BOX 3901, EAGLE, COLORADO 81631 (970) 323-7008		THIRD STREET PARCEL EAGLE VALLEY MIDDLE SCHOOL EAGLE, COLORADO	
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.					
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DESIGN BY: J. YARNELL		PROJECT NO.: 22.010		DATE: 9/12/2022	
DRAWN BY: J. YARNELL					
REVIEWED BY: J. YARNELL					
SHEET TITLE					
DETAILED GRADING PLAN					
SHEET NO.					
C5.1					

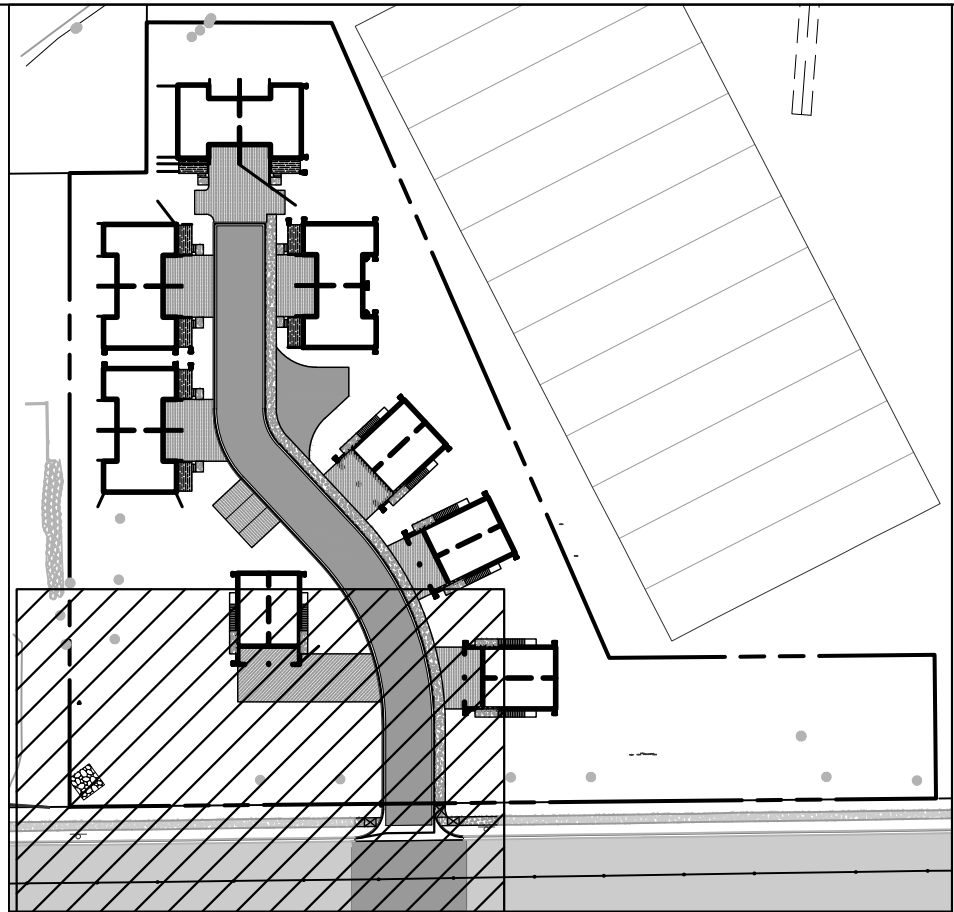
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KEYMAP : SEE
SHEET C5.2

KEYMAP : SEE
SHEET C5.2

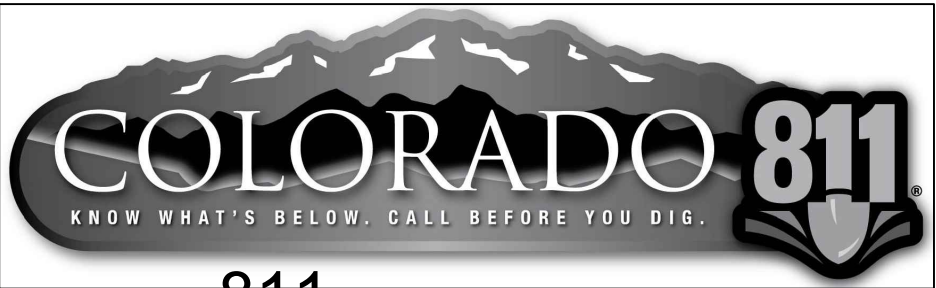
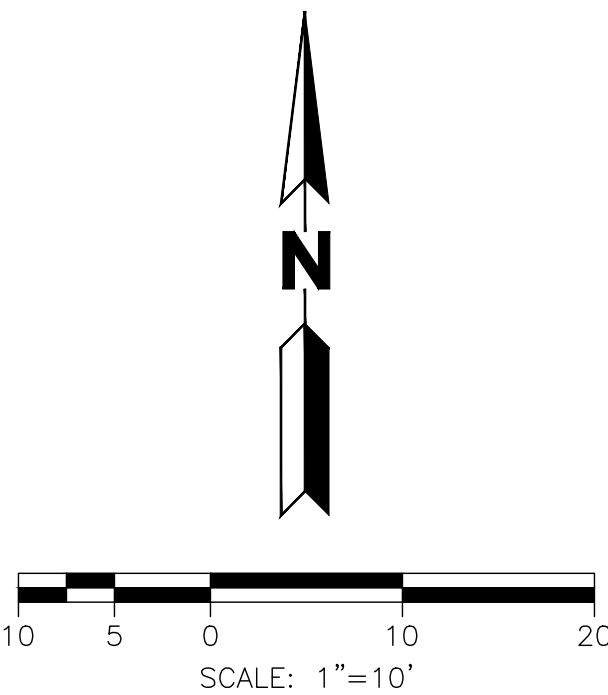
KEYMAP : SEE
SHEET C5.4



KEYMAP

SCALE: 1"=100'

FOR GRADING NOTES, RE: SHEET C5.4



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
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MATERIAL, HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES
PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION.

HABITAT FOR HUMANITY

THIRD STREET MIDDLE SCHOOL
EAGLE, COLORADO

YARNELL CONSULTING &
CIVIL DESIGN, LLC

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

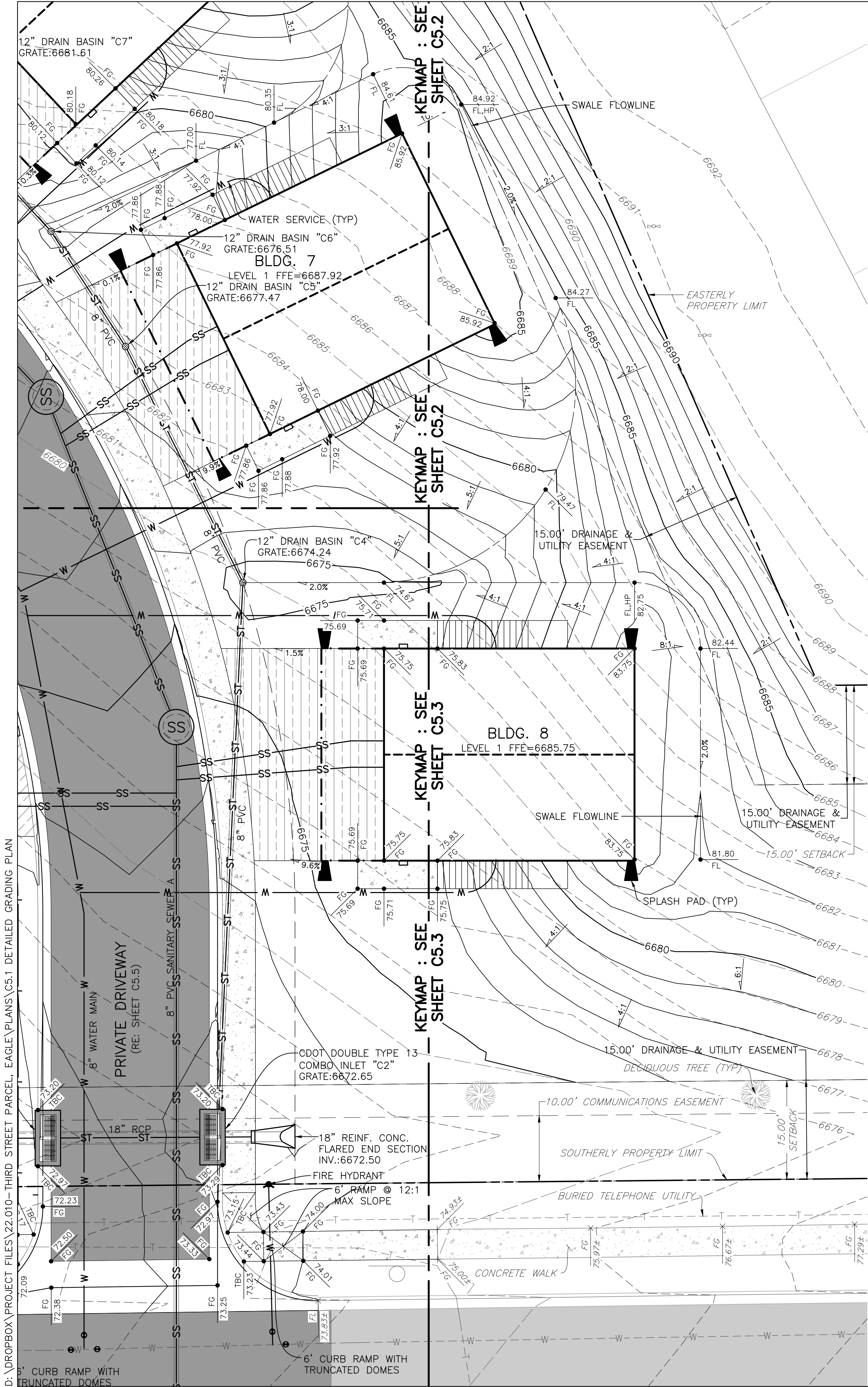
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3.	DEVELOPMENT PERMIT (NO CONST.)	J. YARNELL	9/13/22
4.			
5.			

DESIGN BY: J. YARNELL	DATE: 9/12/2022
DRAWN BY: J. YARNELL	
REVIEWED BY: J. YARNELL	
PROJECT NO.: 22.010	

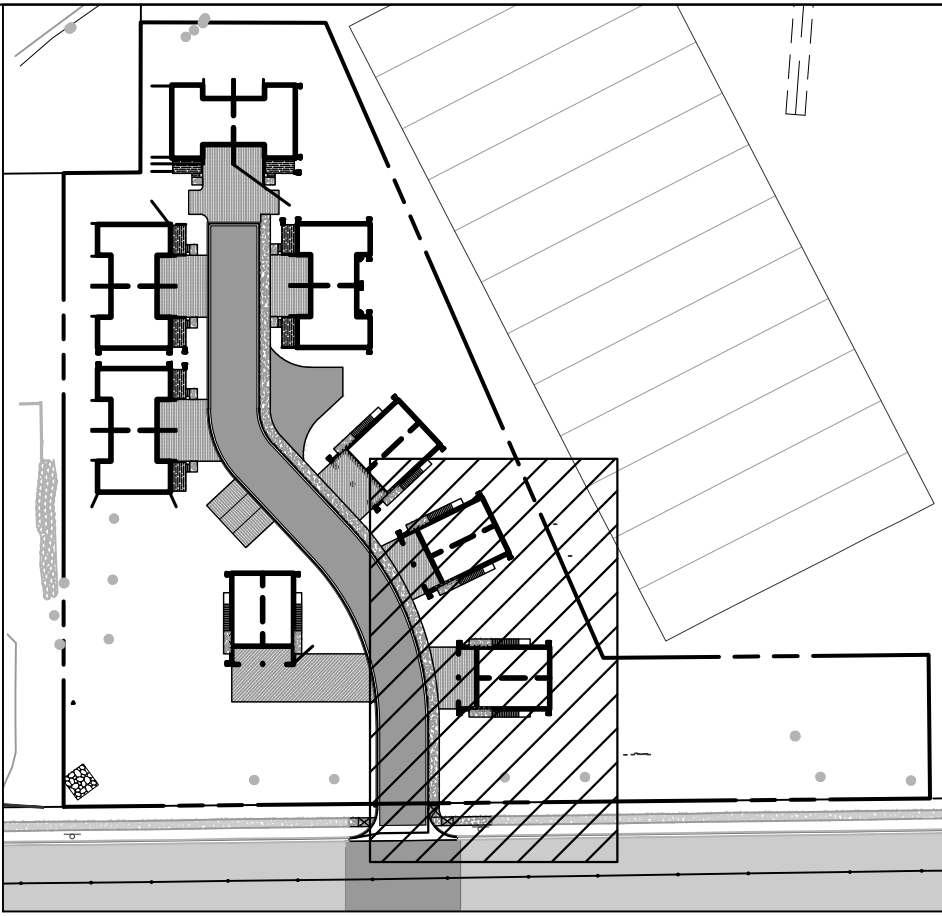
SHEET TITLE
DETAILED
GRADING PLAN

SHEET NO.
C5.3



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.
- ALL SPOTS ARE TO FLOWLINE UNLESS OTHERWISE NOTED. FG = FINISHED GRADE, FF = FINISH FLOOR, TOF = TOP OF FOUNDATION, HP = HIGH POINT, LP = LOW POINT, TOW = TOP OF WALL [FINISHED GRADE AT BACK OF WALL], BOW = BOTTOM OF WALL [FINISHED GRADE AT FACE OF WALL], GB = GRADE BREAK, FL = FLOWLINE, TOC = TOP 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.
- 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.

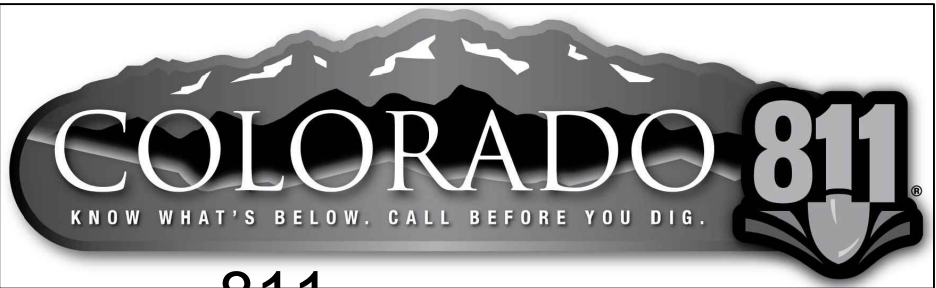


KEYMAP

SCALE: 1"=100'



10 5 0 10 20
SCALE: 1"=10'



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HABITAT FOR HUMANITY

THIRD STREET MIDDLE SCHOOL
EAGLE VALLEY MIDDLE SCHOOL
EAGLE, COLORADO

YARNELL CONSULTING &
CIVIL DESIGN, LLC

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

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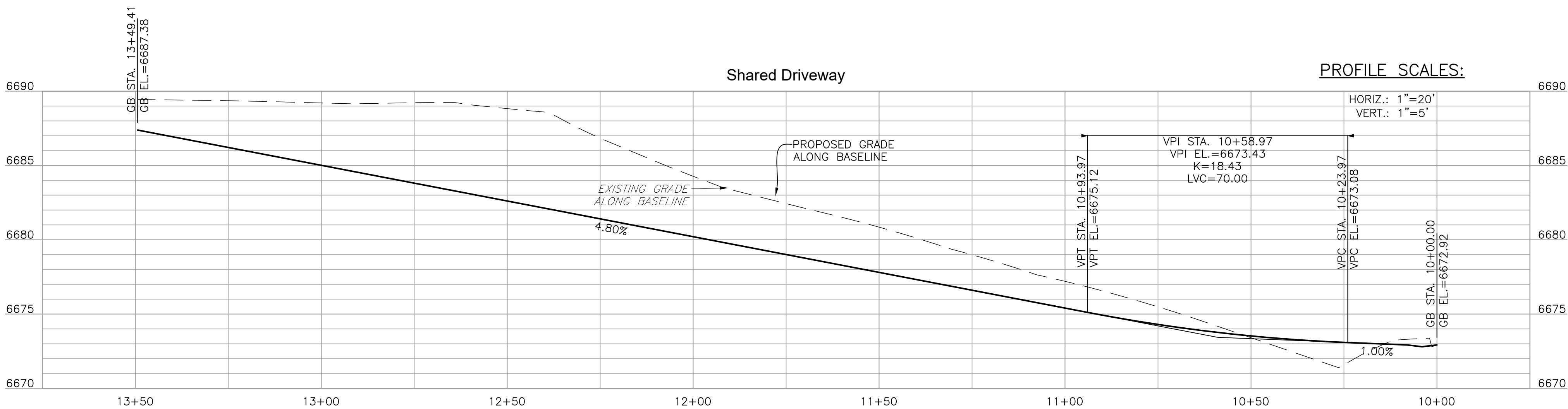
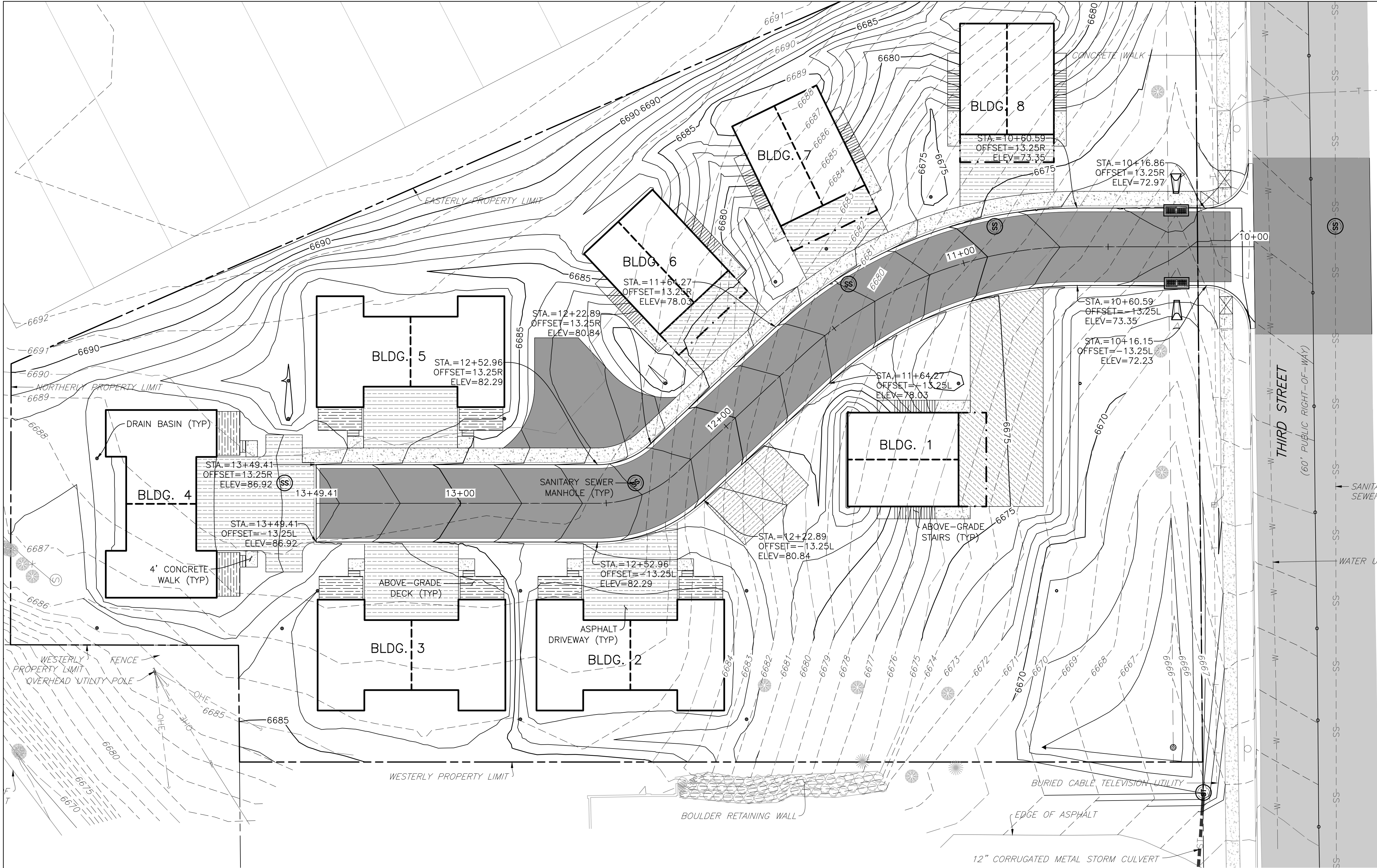
NO.	ISSUE / REVISION	DATE	NAME
1.	SCHEMATIC DESIGN (NO CONST.)	4/13/22	JUY
2.	DESIGN DEVELOPMENT (NO CONST.)	6/1/22	JUY
3.	DEVELOPMENT PERMIT (NO CONST.)	9/13/22	JUY
4.			JUY
5.			JUY

DESIGN BY: J. YARNELL	DATE: 9/12/2022
DRAWN BY: J. YARNELL	
REVIEWED BY: J. YARNELL	
PROJECT NO: 22.010	

SHEET TITLE
DETAILED
GRADING PLAN

SHEET NO.
C5.4

D:\DROPBOX\PROJECT FILES\22.010-THIRD STREET PARCEL, EAGLE\PLANS\C5.5 DRIVEWAY PLAN & PROFILE



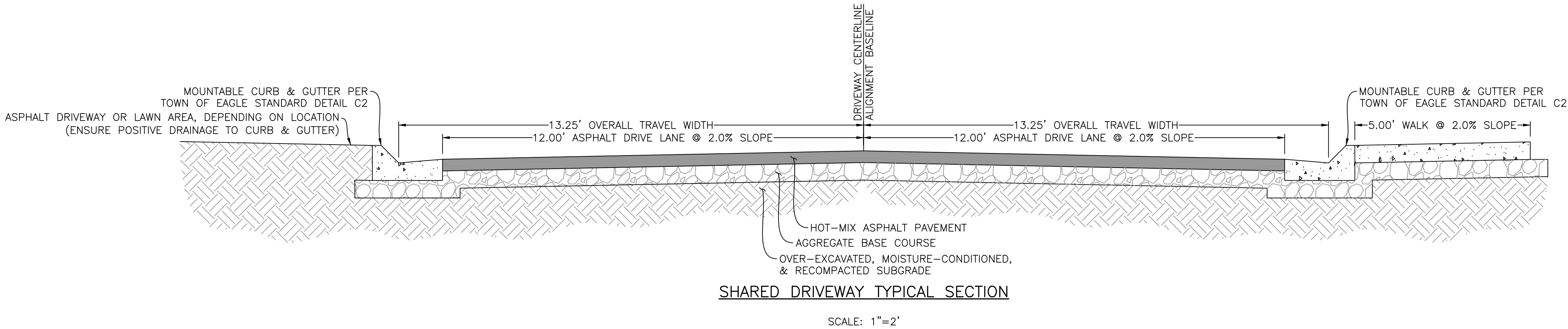
- NOTES:**
- ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF EAGLE "PUBLIC WORKS MANUAL" (LATEST REVISION). ALL STREETS, AND STORM SEWER CONSTRUCTION SHALL BE APPROVED AND INSPECTED BY A TOWN OF EAGLE INSPECTOR.
 - WHEN AN EXISTING ASPHALT STREET MUST BE CUT, THE STREET MUST BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN ITS ORIGINAL CONDITION. THE EXISTING STREET CONDITION SHALL BE DOCUMENTED BY THE TOWN OF EAGLE INSPECTOR BEFORE AND AFTER ANY CUTS ARE MADE. PATCHING SHALL BE DONE IN CONFORMANCE WITH THE CURRENT STREET REPAIR REQUIREMENTS OF THE TOWN OF EAGLE. ALL PATCHES SHALL BLEND SMOOTHLY INTO THE EXISTING SURFACE.
 - IF CONSTRUCTING NEW CURB AND GUTTER ADJACENT TO EXISTING ASPHALT PAVEMENT, CONTRACTOR SHALL REVIEW EXISTING PAVEMENT ELEVATIONS AND PROPOSED GRADES FOR CURB AND GUTTER AND NOTIFY ENGINEER IF MAXIMUM OR MINIMUM CROSS SLOPES ON ASPHALT PATCH ARE NOT WITHIN THE LIMITS INDICATED ON THE PLANS.
 - PATCH ASPHALT PAVING AS NECESSARY TO JOIN NEW GUTTERS WITH THE EXISTING PAVEMENT. REMOVAL AND REPLACEMENT OF ASPHALT SHALL BE PER THE LATEST STANDARDS AND DETAILS FROM THE TOWN OF EAGLE.
 - THE CONTRACTOR IS RESPONSIBLE FOR ANY MODIFICATIONS TO EXISTING PAVEMENT MARKINGS NECESSITATED BY THESE IMPROVEMENTS. ALL SIGNING AND STRIPING SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES". ALL MARKINGS MUST BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
 - IMPROVEMENTS MADE WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED BY A LICENSED AND BONDED RIGHT-OF-WAY CONTRACTOR.
 - ALL CURB RETURNS WITHIN PUBLIC RIGHT-OF-WAY SHALL BE CONSTRUCTED WITH HANDICAP RAMPS IN ACCORDANCE WITH THE TOWN OF EAGLE STANDARDS AND STANDARD SPECIFICATIONS. ALL HANDICAP RAMPS SHALL INCLUDE A TRUNCATED DOME DETECTABLE WARNING PATTERN AS SHOWN.
 - PAVING SHALL NOT START UNTIL A GEOTECHNICAL REPORT AND PAVEMENT DESIGN HAVE BEEN APPROVED BY THE TOWN OF EAGLE PUBLIC WORKS DEPARTMENT, AND SUBGRADE COMPACTION TEST AND PROOF ROLLING HAVE BEEN PERFORMED AND THE RESULTS HAVE MEET WITH THE APPROVAL OF THE TOWN OF EAGLE.
 - PORTLAND CEMENT SHALL BE TYPE II CONFORMING TO ALL REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR PORTLAND CEMENT ASTM C-150, UNLESS NOTED OTHERWISE.
 - CONCRETE JOINTS SHALL BE INSTALLED PER COLORADO DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS.
 - ALL WORK SHALL BE PROPERLY BACKFILLED PRIOR TO THE END OF WORKDAY, NO OPEN HOLES ARE ALLOWED OVERNIGHT. ALL WORK IS TO BE IN ACCORDANCE WITH PERMIT REQUIREMENTS AND APPLICABLE STANDARDS.
 - NO CLEATED OR TRACKED EQUIPMENT MAY WORK IN OR MOVE OVER PAVED SURFACES WITHOUT MATS.
 - MATERIAL REMOVED FROM ANY PORTION OF AN EXISTING ROADWAY PRISM MUST BE REPLACED IN LIKE KIND WITH EQUAL OR BETTER COMPACTION. NO SEGREGATION OF MATERIAL WILL BE PERMITTED.
 - PRIOR TO FINAL ACCEPTANCE, ALL DISTURBED PORTIONS OF ROADWAY RIGHT OF WAY SHALL BE CLEANED UP AND RESTORED TO THEIR ORIGINAL CONDITION, SUBJECT TO TOWN OF EAGLE INSPECTOR APPROVAL.

Colorado 811
KNOW WHAT'S BELOW. CALL BEFORE YOU DIG.

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HABITAT FOR HUMANITY			
THIRD STREET MIDDLE SCHOOL EAGLE, COLORADO			
YARNELL CONSULTING & CIVIL DESIGN, LLC P.O. BOX 3901, EAGLE, COLORADO 81631 (970) 323-7008			
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DESIGN BY:	J. YARNELL		
DRAWN BY:	J. YARNELL		
REVIEWED BY:	J. YARNELL		
PROJECT NO.	22.010		
DATE:	9/12/2022		
SHEET TITLE DRIVEWAY PLAN & PROFILE			
SHEET NO. C5.5			



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		5.			JY

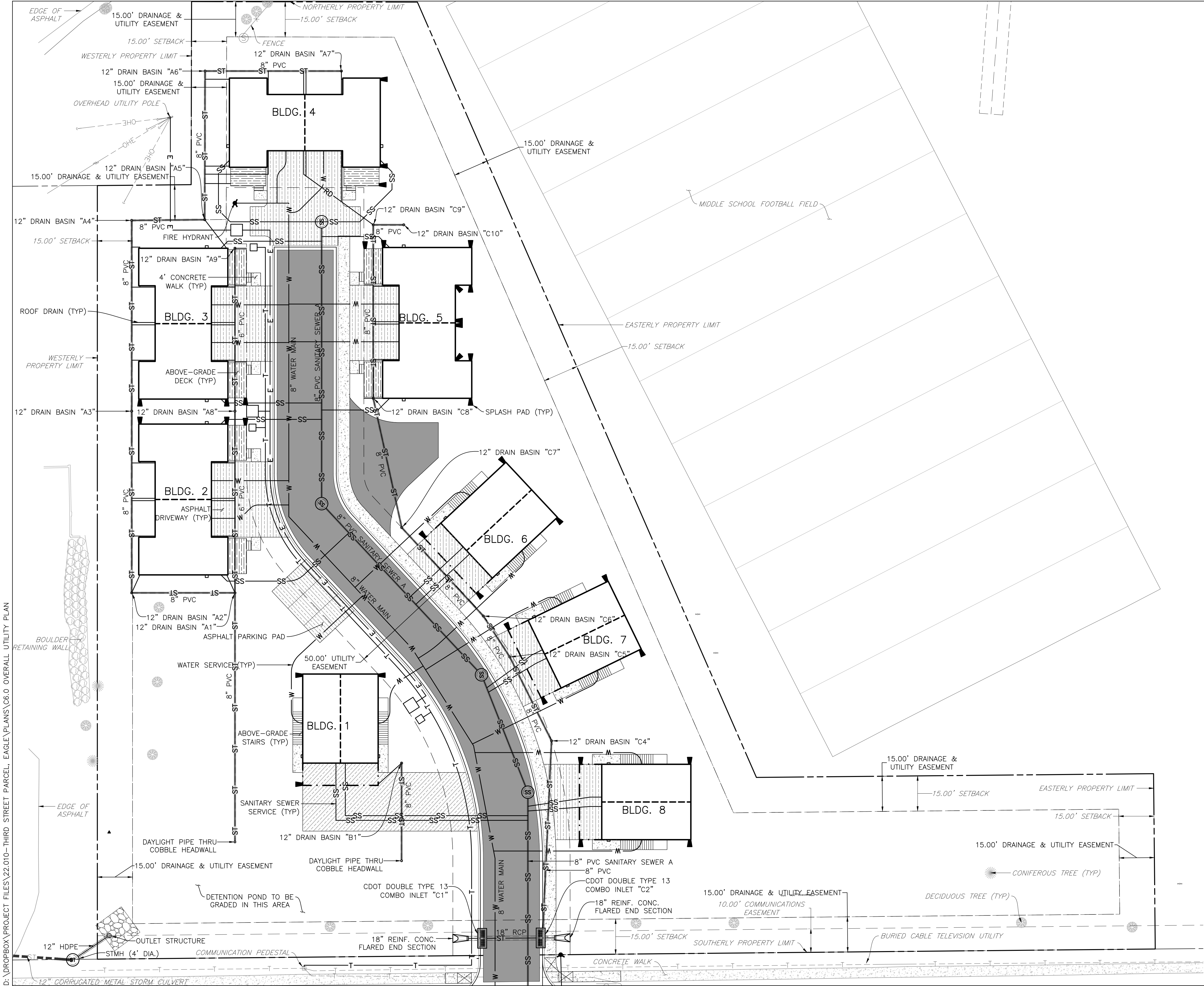
SHEET TITLE
DRIVEWAY
TYPICAL
SECTION

SHEET NO.
C5.6

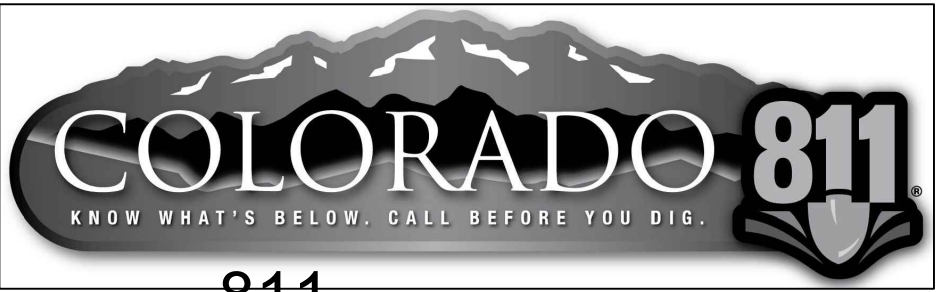
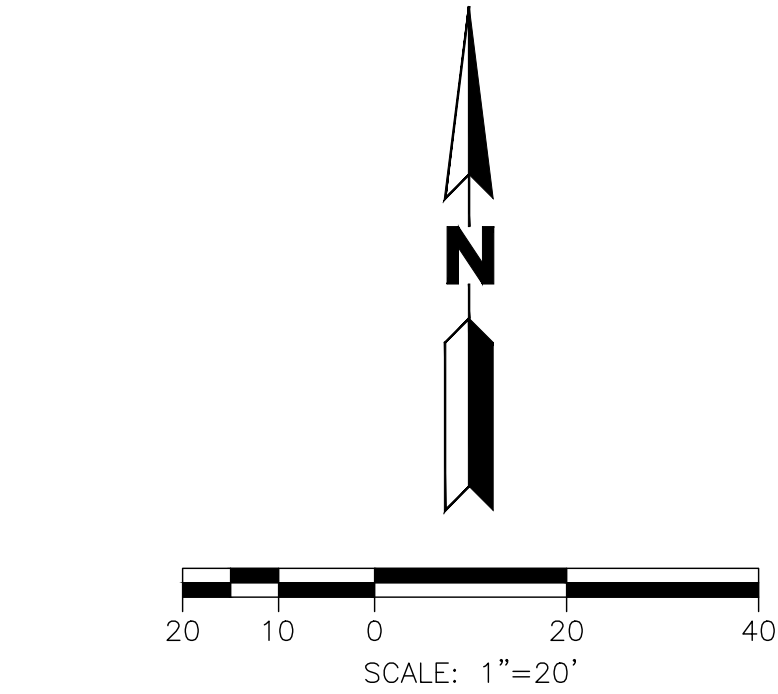
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HABITAT FOR HUMANITY
THIRD STREET PARCEL
EAGLE VALLEY MIDDLE SCHOOL
EAGLE, COLORADO

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FOR UTILITY NOTES, RE: SHEET C6.0.1



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REVIEWED BY: J. YARNELL	
PROJECT NO.: 22.010	

SHEET TITLE
OVERALL UTILITY
PLAN

SHEET NO.
C6.0.0

D:\DROPBOX\PROJECT FILES\22.010--THIRD STREET PARCEL, EAGLE\PLANS\06.2.1 SANITARY SEWER PLAN & PROFILE

UTILITY LOCATION NOTES:

- 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 THE TOWN OF EAGLE INSPECTOR OF ANY DISCREPANCIES.
- 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 THE TOWN OF EAGLE INSPECTOR OF ANY DISCREPANCIES.
- 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:

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

ELECTRIC NOTES:

- ELECTRIC DESIGN IS BY OTHERS. INTENT OF UTILITY PLAN(S) IS TO SHOW CONDUIT ROUTING AND EQUIPMENT PLACEMENT ON THE SITE FOR COORDINATION PURPOSES.
- ALL CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH HOLY CROSS ENERGY CONSTRUCTION STANDARDS (LATEST EDITION).
- INDIVIDUAL CONDUITS SHALL BE PROVIDED BETWEEN THE TRANSFORMER AND EACH UNIT.
- ALL ELECTRIC CONDUITS SHALL BE 4" PVC.
- MAINTAIN REQUIRED SEPARATION BETWEEN JUNCTION BOXES, TRANSFORMERS, AND FIBER OPTIC PEDESTALS.

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

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

CABLE TELEVISION NOTES:

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

SANITARY SEWER NOTES:

- 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 THE TOWN OF EAGLE INSPECTOR.
- ALL SANITARY SEWER LINES SHALL BE SDR 35 POLYVINYL CHLORIDE [PVC] PIPE IN ACCORDANCE WITH ASTM D-3034, EXCEPT WHERE THE PROPOSED SLOPE IS LESS THAN 0.8% WHERE SDR 26 SHALL BE UTILIZED.
- CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING SEWER POINTS OF CONNECTION PRIOR TO CONSTRUCTION OF ANY PROPOSED SEWER.
- 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 4.5 FEET AND SHALL BE KNOWN AS THE COVER OVER THE PIPE.
- ALL SANITARY SEWER MAIN TESTING SHALL BE DONE IN ACCORDANCE WITH THE TOWN OF EAGLE "PUBLIC WORKS MANUAL," [LATEST REVISION].
- ALL SANITARY SEWER MAIN CONSTRUCTION SHALL BE DONE BY A CONTRACTOR LICENSED BY THE TOWN OF EAGLE. THE ENGINEER, OWNER AND TOWN OF EAGLE INSPECTOR SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF ANY PLANNED CONSTRUCTION.
- MAINTAIN A MINIMUM OF TEN [10] FEET HORIZONTAL SEPARATION BETWEEN THE OUTSIDE OF ALL SANITARY SEWER AND WATER MAINS AND SERVICES UNLESS SECONDARY CONTAINMENT IS PROVIDED.
- 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.
- MANHOLES, BARRELS AND CONES SHALL BE CONSTRUCTED OF PRECAST CONCRETE, CAST-IN-PLACE MANHOLES SHALL NOT BE ALLOWED.
- PRECAST MANHOLES AND RISERS SHALL BE MANUFACTURED IN CONFORMITY WITH ASTM DESIGNATION C-478. ALL CONES SHALL BE ECCENTRIC, EXCEPT FOR MANHOLE DEPTHS SIX FEET (6') OR LESS WHEN A FLAT TOP SECTION SHALL BE USED.
- THE FLEXIBLE PLASTIC JOINT SEALING COMPOUND WITHIN PRECAST STRUCTURES SHALL BE "RAMNEK" RUBBERNECK OR APPROVED EQUAL.
- RIM ELEVATIONS SHOWN ARE APPROXIMATE ONLY AND ARE NOT TO BE TAKEN AS FINAL ELEVATIONS. PIPELINE CONTRACTOR SHALL USE PRECAST CONCRETE ADJUSTMENT RINGS TO ADJUST THE MANHOLE FRAME TO THE REQUIRED FINAL GRADE, SUCH THAT THERE IS NO MORE THAN 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.
- MANHOLE CONES SHALL BE ALIGNED TO PROVIDE A MINIMUM OF THREE [3] FEET CLEARANCE BETWEEN THE MANHOLE RING AND THE LIP OF GUTTER.
- 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.
- ALL SANITARY SEWERS SHALL BE BED PER THE TOWN OF EAGLE'S STANDARD TRENCHING AND BACKFILL DETAIL.
- ALL JOINTS BETWEEN BARREL SECTIONS SHALL BE GROUTED INSIDE AND OUTSIDE WITH A NON-SHRINK GROUT PRIOR TO BACKFILLING.
- BACKFILL IN PUBLIC RIGHT-OF-WAY MUST MEET THE REQUIREMENTS OF THE TOWN OF EAGLE. CONTRACTOR MUST OBTAIN A STREET CUT PERMIT AND NOTIFY THE TOWN OF EAGLE 48-HOURS PRIOR TO START OF JOB.
- NO BACKFILL MATERIAL SHALL BE PLACED ABOVE THE SPRINGLINE OF THE PIPE UNTIL A TOWN OF EAGLE REPRESENTATIVE HAS AUTHORIZED BACKFILLING. IT SHALL BE THE DUTY OF THE CONTRACTOR TO NOTIFY THE TOWN OF EAGLE INSPECTOR 48 HOURS IN ADVANCE OF PROPOSED BACKFILL OPERATIONS SO A TOWN OF EAGLE INSPECTOR MAY INSPECT THE PIPE AND THE BEDDING PRIOR TO BACKFILLING.
- 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.
- 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.
- NO TREES SHALL BE PLANTED WITHIN ANY SEWER EASEMENT OR WITHIN TEN [10] FEET OF ANY PUBLIC MANHOLES, OR PIPES.
- UNLESS NOTED OTHERWISE ON PLANS, INSTALL FOUR INCH (4") SANITARY SEWER SERVICE LINES AT 0.0208-FT/FT MINIMUM, 0.0800-FT/FT MAXIMUM SLOPE. INSTALL SIX INCH (6") SERVICE LINES AT 0.0104 FT/FT MINIMUM, 0.0600 FT/FT MAXIMUM SLOPE.

STORM SEWER NOTES:

- 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 THE TOWN OF EAGLE INSPECTOR.
- CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING STORM SEWER POINTS OF CONNECTION PRIOR TO CONSTRUCTION OF ANY PROPOSED STORM SEWER.
- ALL STORM SEWER LINES 12 INCHES IN SIZE AND GREATER SHALL BE HIGH-DENSITY POLYETHYLENE (HDPE) IN ACCORDANCE WITH ASTM F-405.
- ALL STORM SEWER LINES LESS THAN 12 INCHES IN SIZE SHALL BE SDR-35 POLYVINYL CHLORIDE [PVC] PIPE IN ACCORDANCE WITH ASTM D-3034.
- 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.
- 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.
- WHERE APPLICABLE, DISTANCES FOR STORM SEWER PIPE INCLUDE THE LENGTH OF THE FLARED END SECTION.
- 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.
- MANHOLES, BARRELS, CONES, AND COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) INLETS SHALL BE CONSTRUCTED OF PRECAST CONCRETE. CAST-IN-PLACE STRUCTURES SHALL NOT BE ALLOWED.
- 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.
- ALL STORM SEWERS SHALL BE BED PER THE TOWN OF EAGLE'S STANDARD TRENCHING AND BACKFILL DETAIL.
- THE FLEXIBLE PLASTIC JOINT SEALING COMPOUND WITHIN PRECAST STRUCTURES SHALL BE "RAMNEK" RUBBERNECK OR APPROVED EQUAL.
- PROPOSED DRAINAGE BASINS SHALL BE AS MANUFACTURED BY NYLOPLAST (OR APPROVED EQUAL). INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED DOCUMENTATION. GRATES SHALL BE AS SELECTED BY THE OWNER.
- 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.
- NO TREES SHALL BE PLANTED WITHIN ANY UTILITY EASEMENT OR WITHIN TEN [10] FEET OF ANY PUBLIC MANHOLES, PIPES OR INLETS.
- 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.
- COORDINATES SHOWN FOR CURB INLETS IS ON FLOWLINE AT CENTER OF INLET. COORDINATES FOR AREA INLETS ARE AT CENTER OF INLET. COORDINATES FOR FLARED END SECTIONS ARE AT CENTER OF FLARED END.
- SLOPE OF INLET FLOW LINE OR GRATE TO MATCH STREET GRADE UNLESS INLET IS AT A SUMP LOCATION. REFER TO THE TOP BACK OF CURB SPOT ELEVATIONS ON THE DETAILED GRADING PLANS.
- 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.

WATER NOTES:

- 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 THE TOWN OF EAGLE INSPECTOR.
- ALL WATER UTILITY CONSTRUCTION SHALL BE PERFORMED BY A CONTRACTOR LICENSED IN THE TOWN OF EAGLE. THE ENGINEER, OWNER AND TOWN OF EAGLE INSPECTOR SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF ANY PLANNED CONSTRUCTION.
- ALL WATER MAINS AND FIRE HYDRANT LATERALS 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.
- 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.
- ALL WATER SERVICES TWO [2] INCHES AND SMALLER IN SIZE SHALL MEET THE REQUIREMENTS OF AWWA C901, SHALL BE PE4710 HIGH DENSITY RESIN MATERIAL AND CONFORM TO ASTM 2737 STANDARDS LISTED FOR WATER SERVICE PIPE IN THE LATEST EDITION OF THE IPC. ALL JOINTS SHALL BE BRASS COMPRESSION GRIP RING TYPE WITH STAINLESS STEEL INSERTS OR FUSED. POLYETHYLENE TUBING SHALL HAVE A PRESSURE RATING OF 250 PSI. ALL POLYETHYLENE SERVICE LINES MUST USE FULL LENGTHS OF TUBING (I.E. 300' FOR 1", 250' FOR 1.5" AND 200' FOR 2") BEFORE A SPLICE CAN BE INSTALLED. PIPE DIMENSIONS SHALL MEET COPPER TUBING SIZE (CTS) STANDARDS.
- 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.
- 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.
- NO PIPE SHALL BE BACKFILLED UNTIL IT HAS BEEN INSPECTED BY THE TOWN OF EAGLE INSPECTOR.
- 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 INSPECTOR UPON REQUEST.
- 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.
- MAINTAIN A MINIMUM OF TEN [10] FEET HORIZONTAL SEPARATION BETWEEN THE OUTSIDE OF ALL SANITARY SEWER AND WATER MAINS AND SERVICES.
- 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.
- 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.
- 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 INSPECTOR.
- 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.
- INDIVIDUAL SERVICE LINE PRESSURE REGULATING VALVES ARE REQUIRED.
- 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.
- 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.

HABITAT FOR HUMANITY

THIRD STREET PARCEL

EAGLE VALLEY MIDDLE SCHOOL

EAGLE, COLORADO

YARNELL CONSULTING & CIVIL DESIGN, LLC

P.O. BOX 3901 EAGLE, COLORADO 81631

(970) 323-7008

NO.	ISSUE / REVISION	NAME	DATE
1.	SCHEMATIC DESIGN (NO CONST.)	J. YARNELL	4/13/22
2.	DESIGN DEVELOPMENT (NO CONST.)	J. YARNELL	6/1/22
3.	DEVELOPMENT PERMIT (NO CONST.)	J. YARNELL	9/13/22
4.			
5.			

DESIGN BY: J. YARNELL

DRAWN BY: J. YARNELL

REVIEWED BY: J. YARNELL

PROJECT NO.: 22.010

DATE: 9/12/2022

SHEET TITLE

UTILITY NOTES

SHEET NO.

C6.0.1

THIRD STREET PARCEL
EAGLE VALLEY MIDDLE SCHOOL
EAGLE, COLORADO

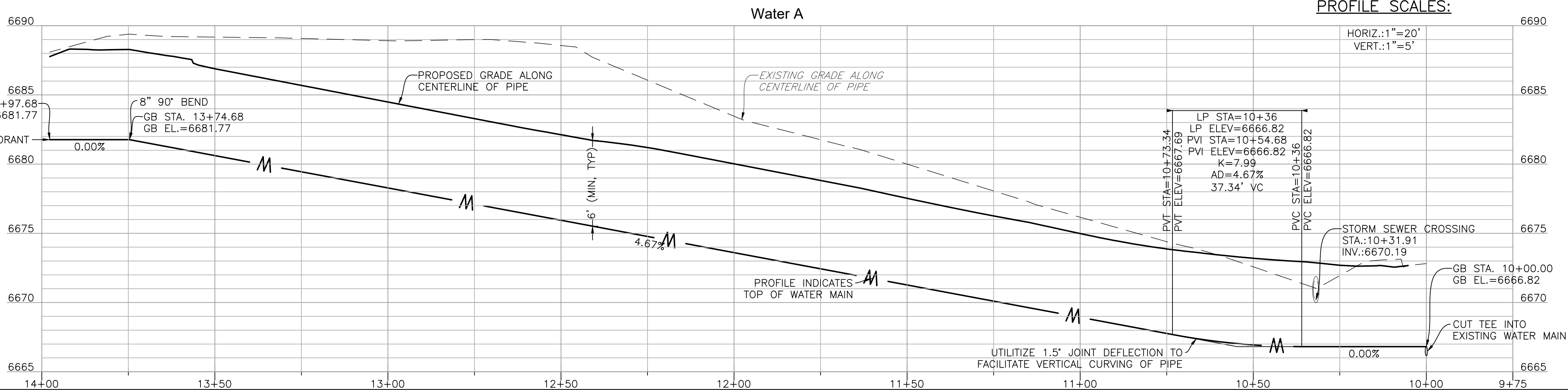
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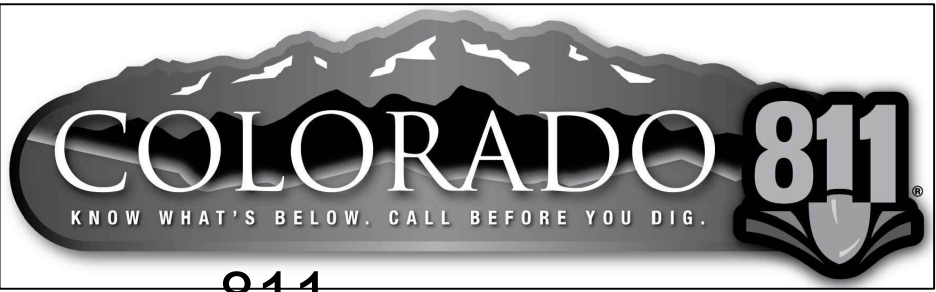
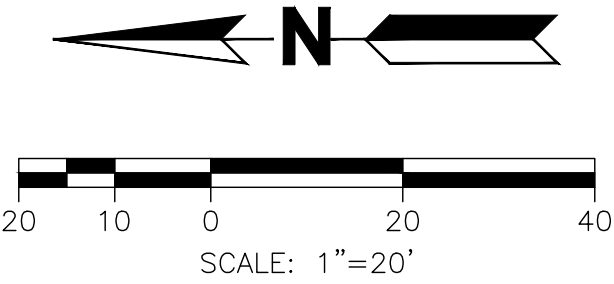
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2.	DESIGN DEVELOPMENT (NO CONST.)	6/1/22	JYJ
3.	DEVELOPMENT PERMIT (NO CONST.)	9/13/22	JYJ
4.			JYJ
5.			JYJ

SHEET TITLE
WATER PLAN &
PROFILE

SHEET NO.
C6.1.1



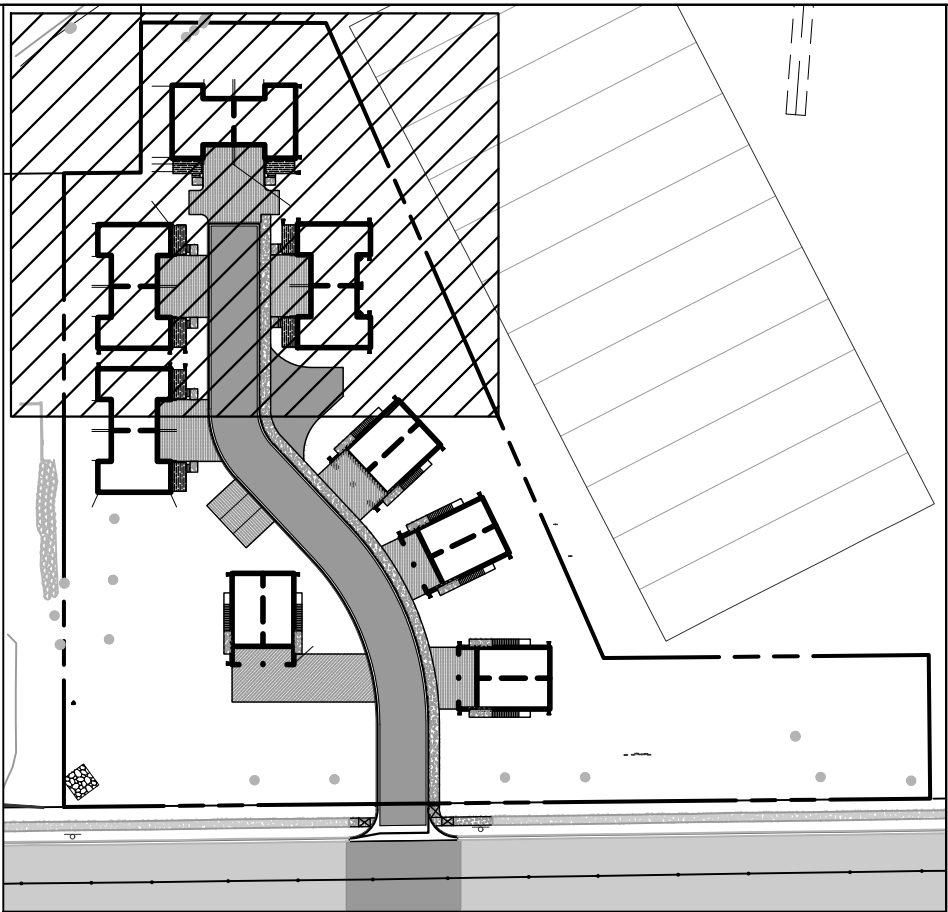
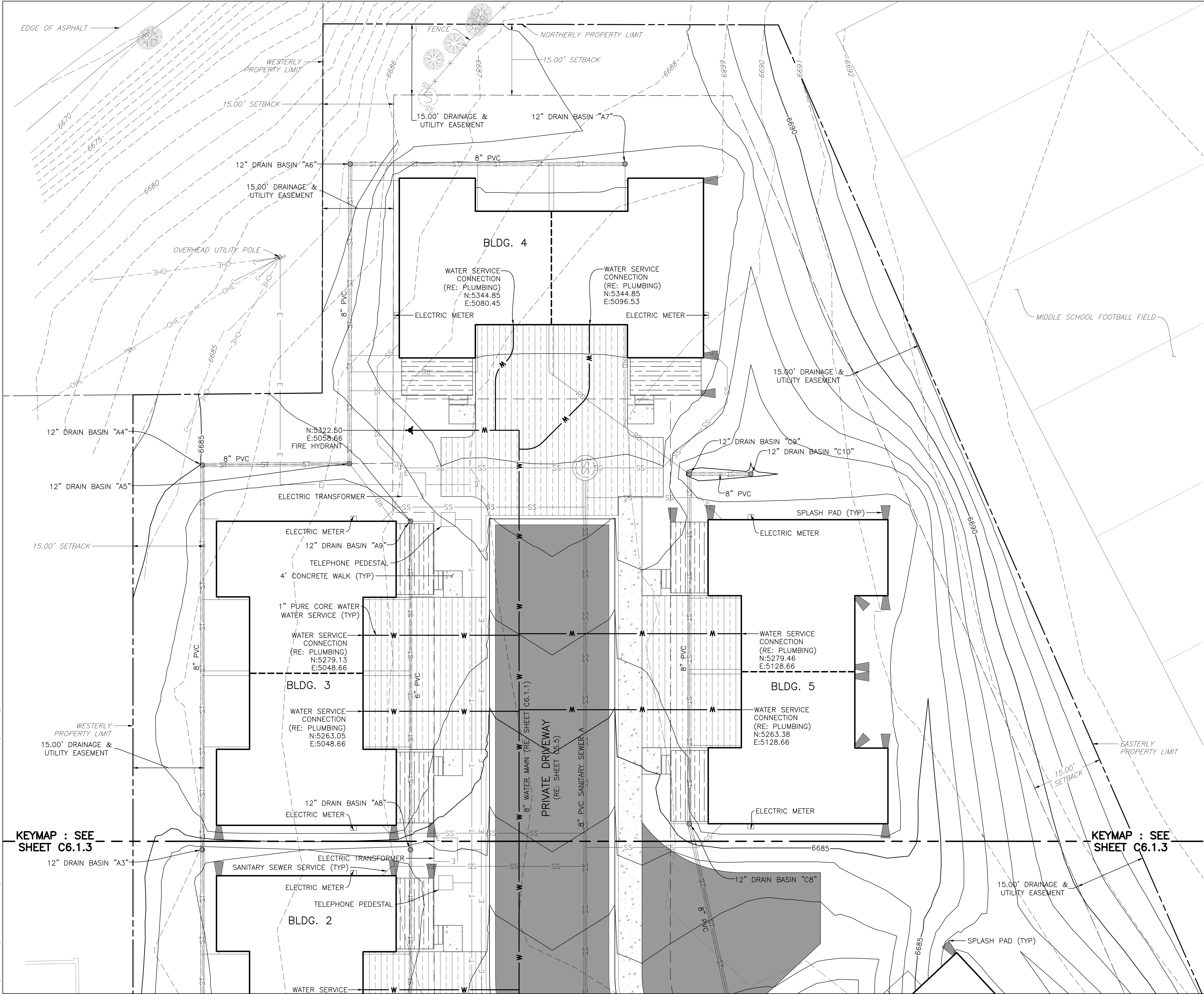
PROFILE SCALES:



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

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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.

D:\DROPBOX\PROJECT FILES\22.010-THIRD STREET PARCEL, EAGLE\PLANS\C6.1.2 WATER UTILITIES PLAN



KEYMAP

SCALE: 1"=100'

FOR UTILITY NOTES, RE: SHEET C6.0.1

HABITAT FOR HUMANITY
THIRD STREET MIDDLE SCHOOL
EAGLE, COLORADO

YARNELL CONSULTING &
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3.	DEVELOPMENT PERMIT (NO CONST.)	J. YARNELL	9/13/22
4.			
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SHEET TITLE
WATER UTILITIES
PLAN

SHEET NO.
C6.1.2



SCALE: 1"=100'

SCALE: 1"=100'

FOR UTILITY NOTES, RE: SHEET C6.0.1

HABITAT FOR HUMANITY
THIRD STREET PARCEL
EAGLE VALLEY MIDDLE SCHOOL
EAGLE, COLORADO

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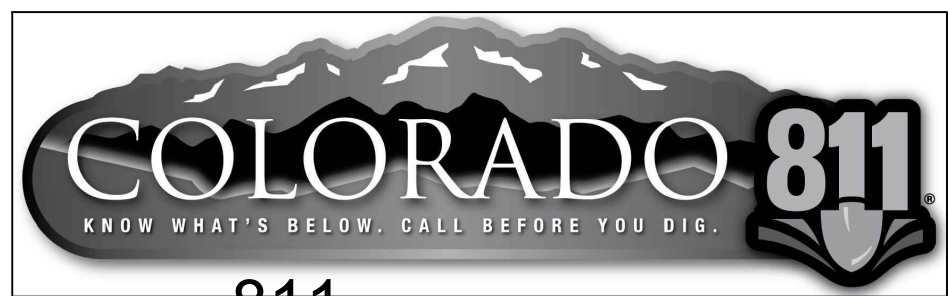
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DESIGN BY:	J. YARNELL	NO.	ISSUE /REVISION	DATE	NAME
DRAWN BY:	J. YARNELL	1.	SCHEMATIC DESIGN (NO CONST.)	6/1/22	JUY
REVIEWED BY:	J. YARNELL	2.	DESIGN DEVELOPMENT (NO CONST.)	6/1/22	JUY
		3.	DEVELOPMENT PERMIT (NO CONST.)	9/13/22	JUY
PROJECT NO.:	22.010	4.			JUY
DATE:	9/12/2022	5.			JUY

SHEET TITLE
WATER UTILITIES
PLAN

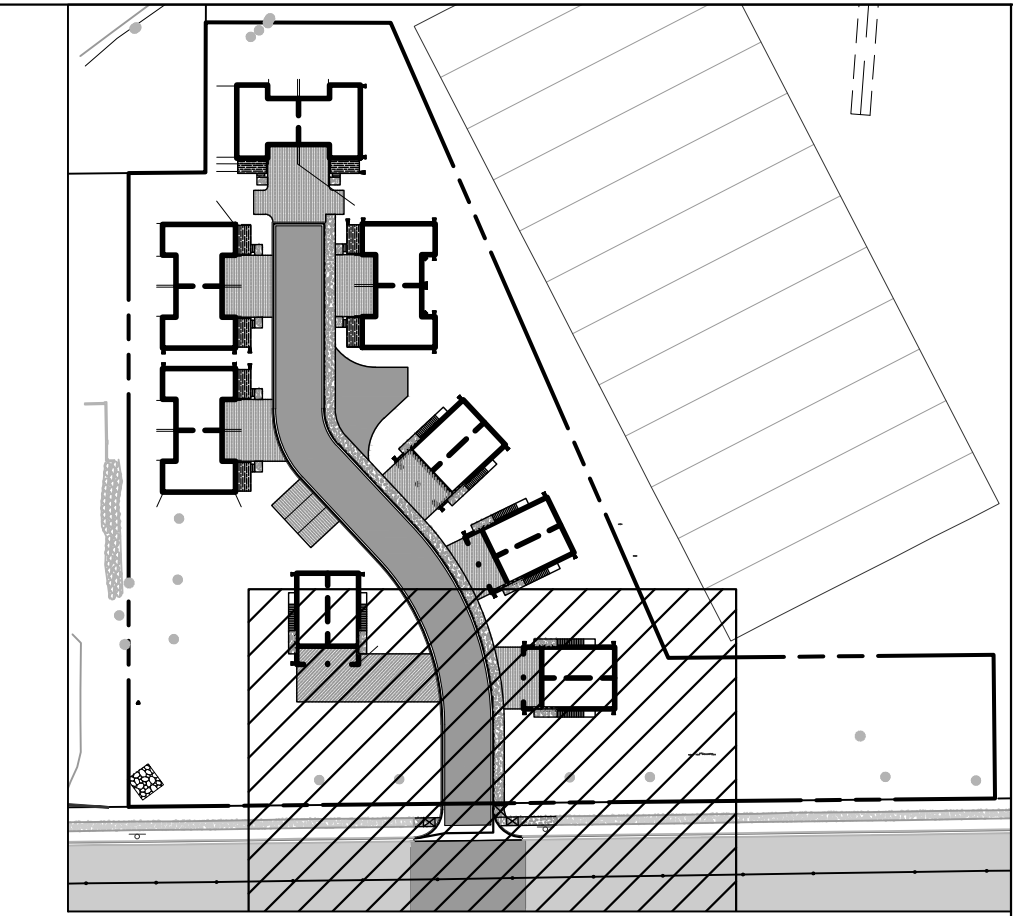
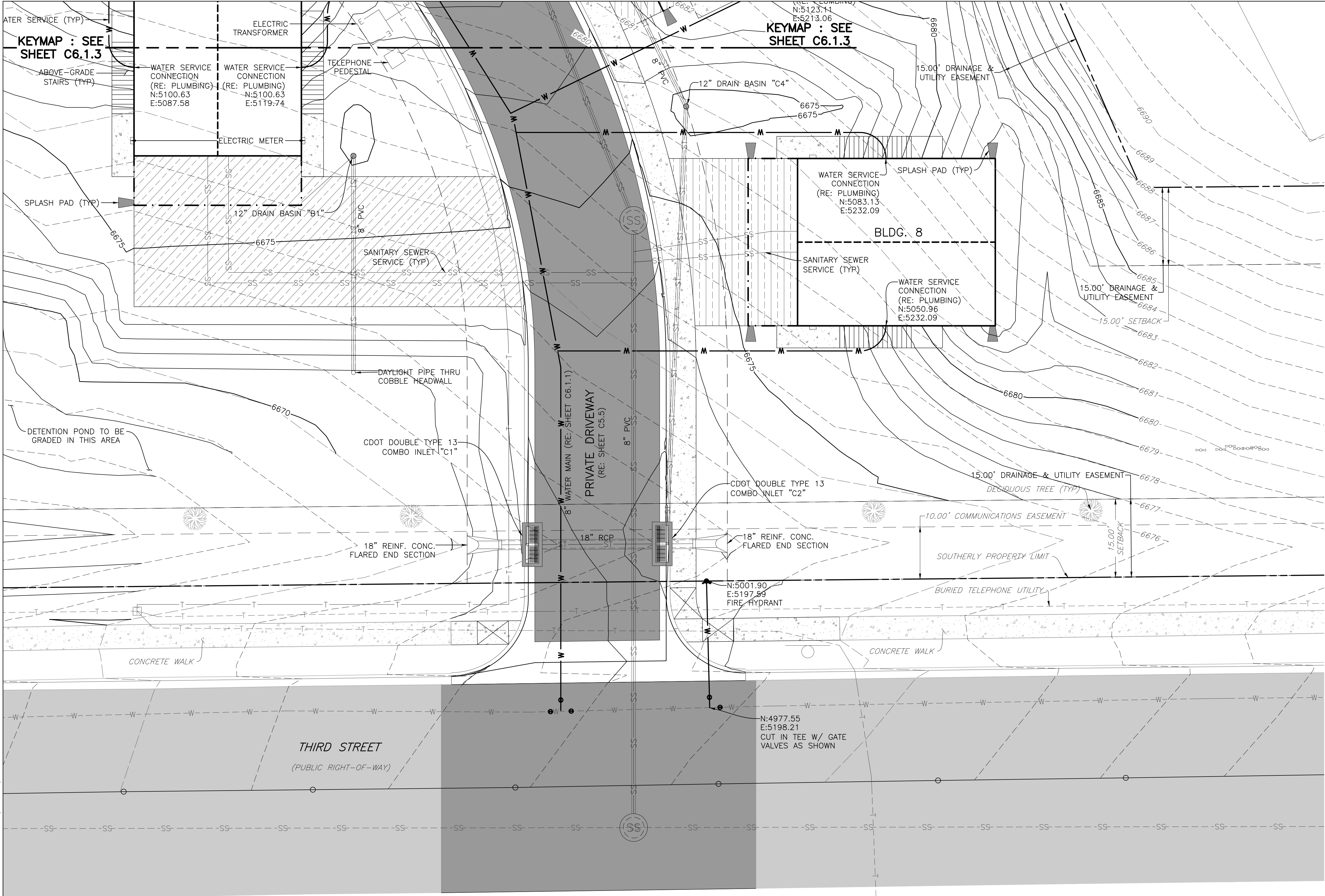
SHEET NO.
C6.1.3



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MARKING OF UNDERGROUND MEMBER UTILITIES

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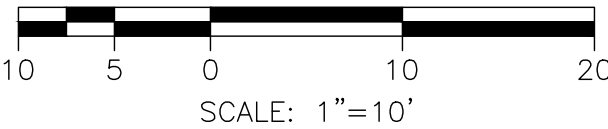
D:\DROPOX\PROJECT FILES\22.010-THIRD STREET PARCEL, EAGLE\PLANS\C6.1.2 WATER UTILITIES PLAN



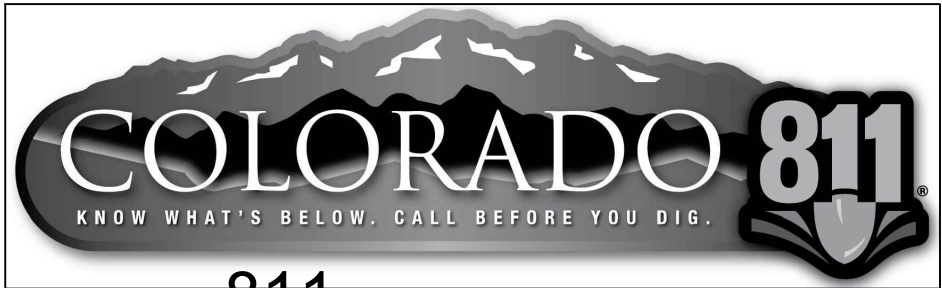
KEYMAP

SCALE: 1"=100'

FOR UTILITY NOTES, RE: SHEET C6.0.1



SCALE: 1"=10'



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 CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE SIZE, MATERIAL, HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION.

HABITAT FOR HUMANITY

THIRD STREET MIDDLE SCHOOL
EAGLE VALLEY MIDDLE SCHOOL
EAGLE, COLORADO

**YARNELL CONSULTING &
CIVIL DESIGN, LLC**

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

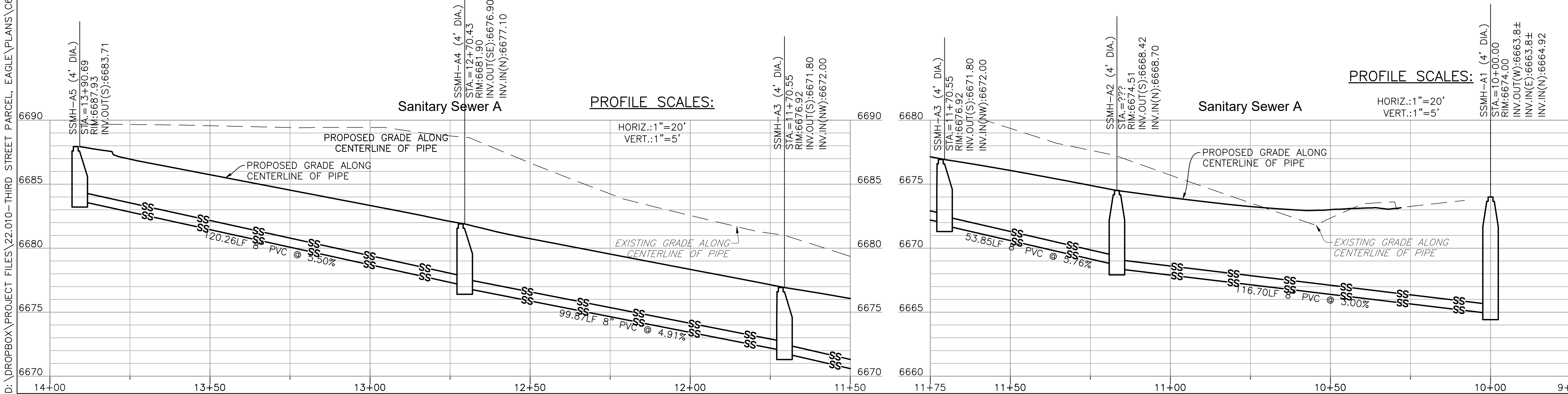
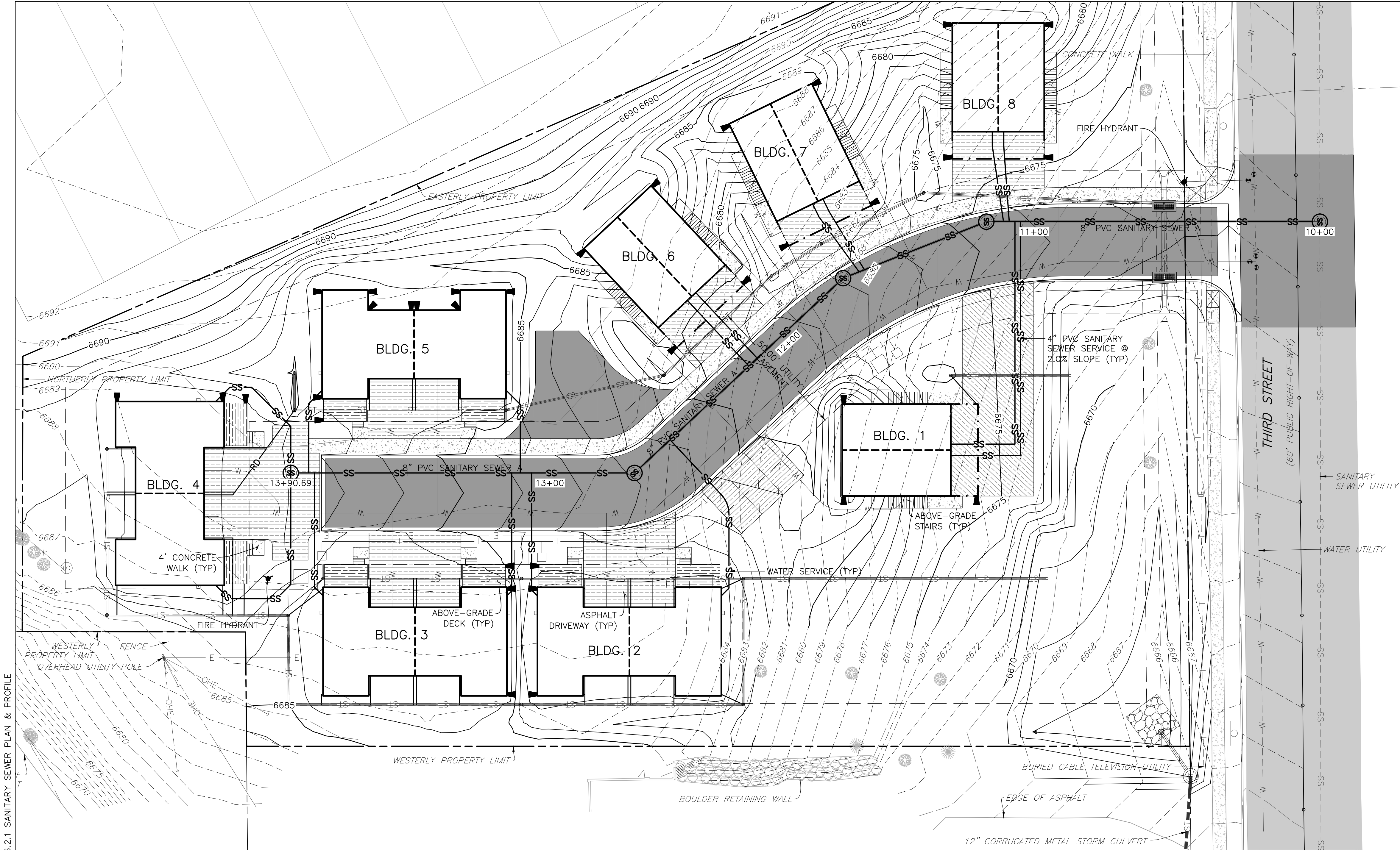
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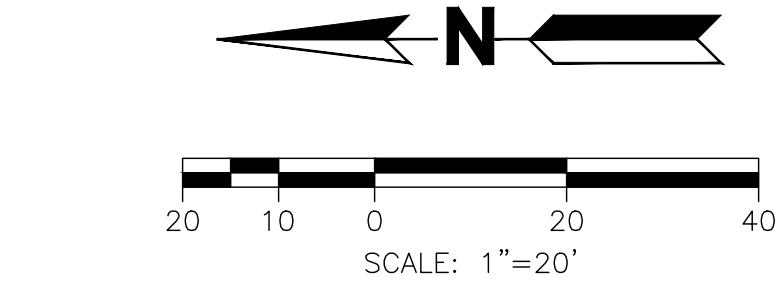
SHEET TITLE
WATER UTILITIES PLAN

SHEET NO.
C6.1.4

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FOR SANITARY SEWER NOTES, RE: SHEET C6.0.1

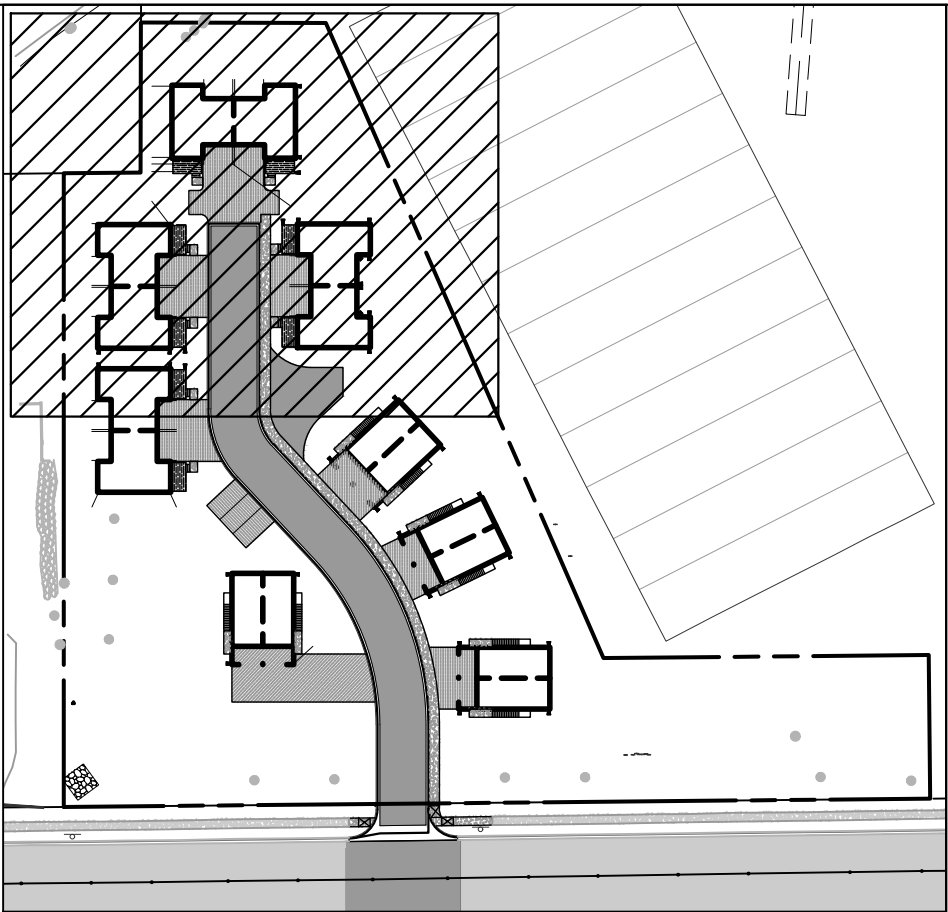
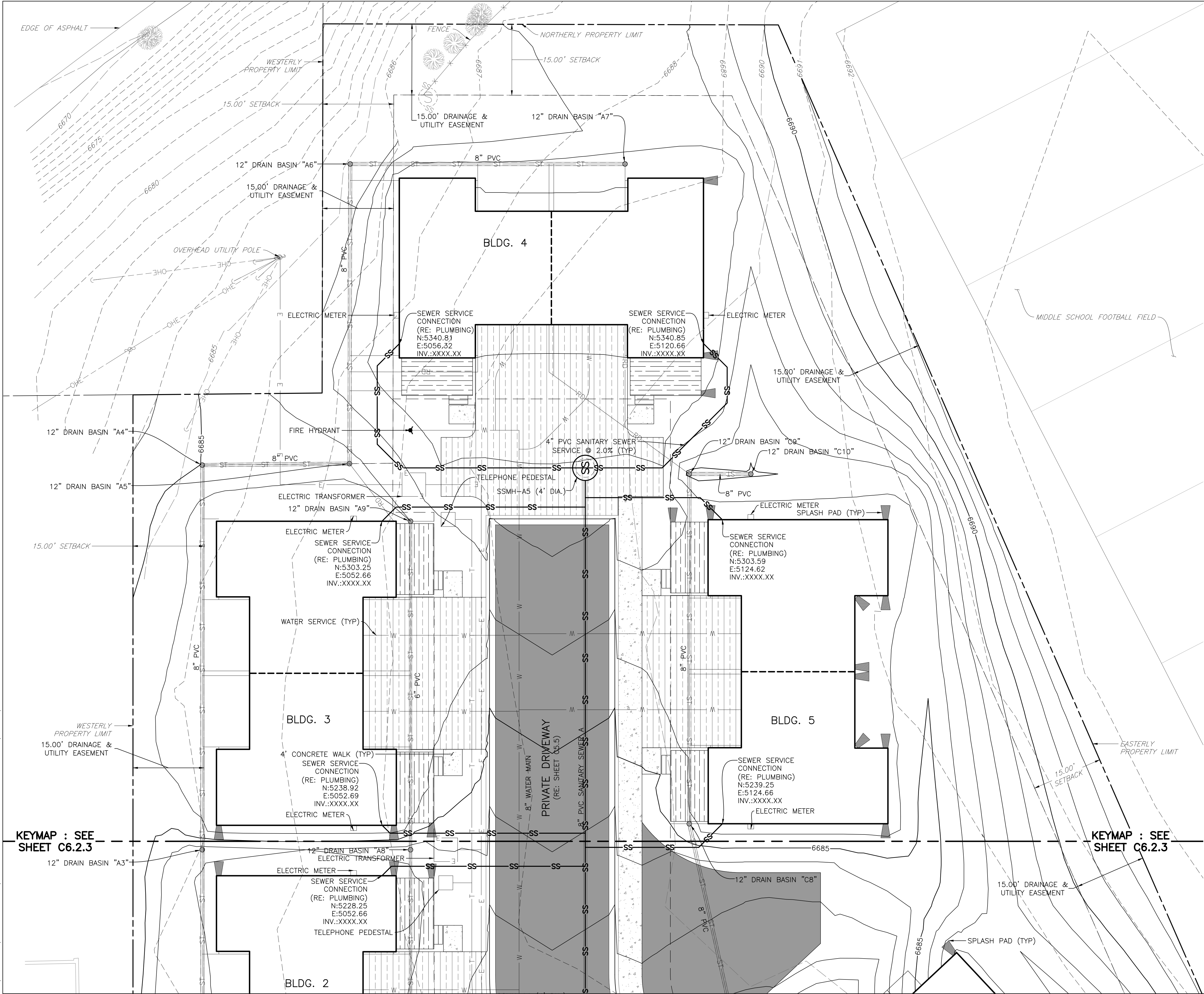


CALL 811 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE OR EXCAVATE FOR
MARKING OF UNDERGROUND MEMBER UTILITIES

ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITY LOCATIONS.
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HABITAT FOR HUMANITY		THIRD STREET MIDDLE SCHOOL		EAGLE, COLORADO	
YARNELL CONSULTING & CIVIL DESIGN, LLC		P.O. BOX 3901, EAGLE, COLORADO 81631		(970) 323-7008	
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	1.	SCHEMATIC DESIGN (NO CONST.)	4/13/22	JUY	
	2.	DESIGN DEVELOPMENT (NO CONST.)	6/1/22	JUY	
	3.	DEVELOPMENT PERMIT (NO CONST.)	9/13/22	JUY	
	4.			JUY	
DESIGN BY: J. YARNELL					
DRAWN BY: J. YARNELL					
REVIEWED BY: J. YARNELL					
PROJECT NO.: 22.010					
DATE: 9/12/2022					
SHEET TITLE		SANITARY SEWER PLAN & PROFILE		SHEET NO.	
				C6.2.1	

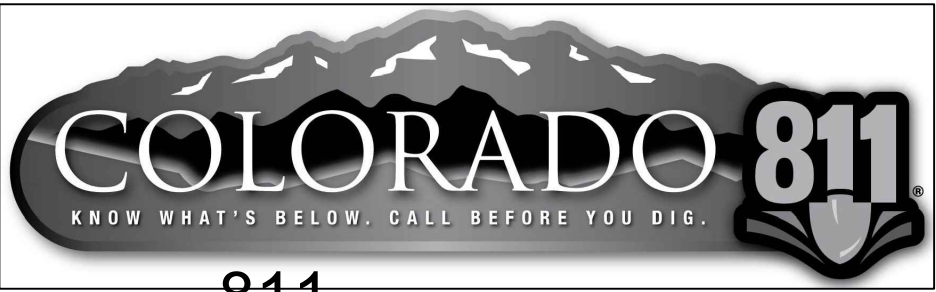
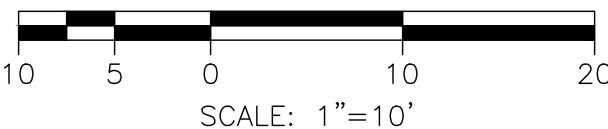
D:\DROPBOX\PROJECT FILES\22.010-THIRD STREET PARCEL, EAGLE\PLANS\C6.2.2 SANITARY SEWER UTILITIES PLAN



KEYMAP

SCALE: 1"=100'

FOR UTILITY NOTES, RE: SHEET C6.0.1



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HABITAT FOR HUMANITY

THIRD STREET MIDDLE SCHOOL
EAGLE VALLEY MIDDLE SCHOOL
EAGLE, COLORADO

YARNELL CONSULTING &
CIVIL DESIGN, LLC

P.O. BOX 3901, EAGLE, COLORADO 81631
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NO.	ISSUE / REVISION	DATE	NAME
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2.	DESIGN DEVELOPMENT (NO CONST.)	6/1/22	JYJ
3.	DEVELOPMENT PERMIT (NO CONST.)	9/13/22	JYJ
4.			JYJ
5.			JYJ

DESIGN BY: J. YARNELL	DATE: 9/12/2022
DRAWN BY: J. YARNELL	
REVIEWED BY: J. YARNELL	
PROJECT NO: 22.010	

SHEET TITLE
SANITARY
SEWER UTILITIES
PLAN

SHEET NO.
C6.2.2



SCALE: 1"=100'

SCALE: 1"=100'

FOR UTILITY NOTES, RE: SHEET C6.0.1

HABITAT FOR HUMANITY

THIRD STREET PARCEL
EAGLE VALLEY MIDDLE SCHOOL
EAGLE, COLORADO

**YARNELL CONSULTING &
CIVIL DESIGN, LLC**

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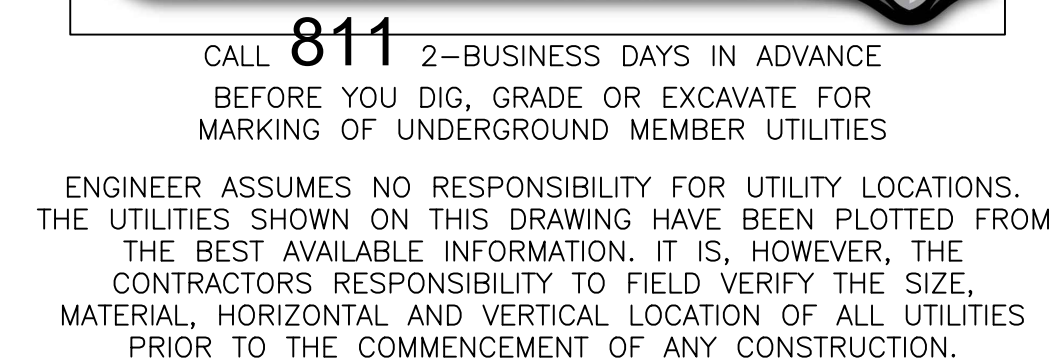
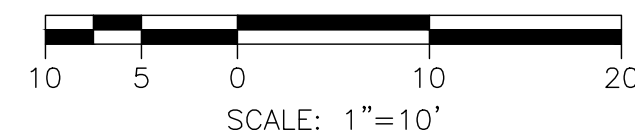
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2.	DESIGN DEVELOPMENT (NO CONST.)	6/1/22	JUY
3.	DEVELOPMENT PERMIT (NO CONST.)	9/13/22	JUY
4.			JUY
5.			JUY

SHEET TITLE
SANITARY
SEWER UTILITIES
PLAN

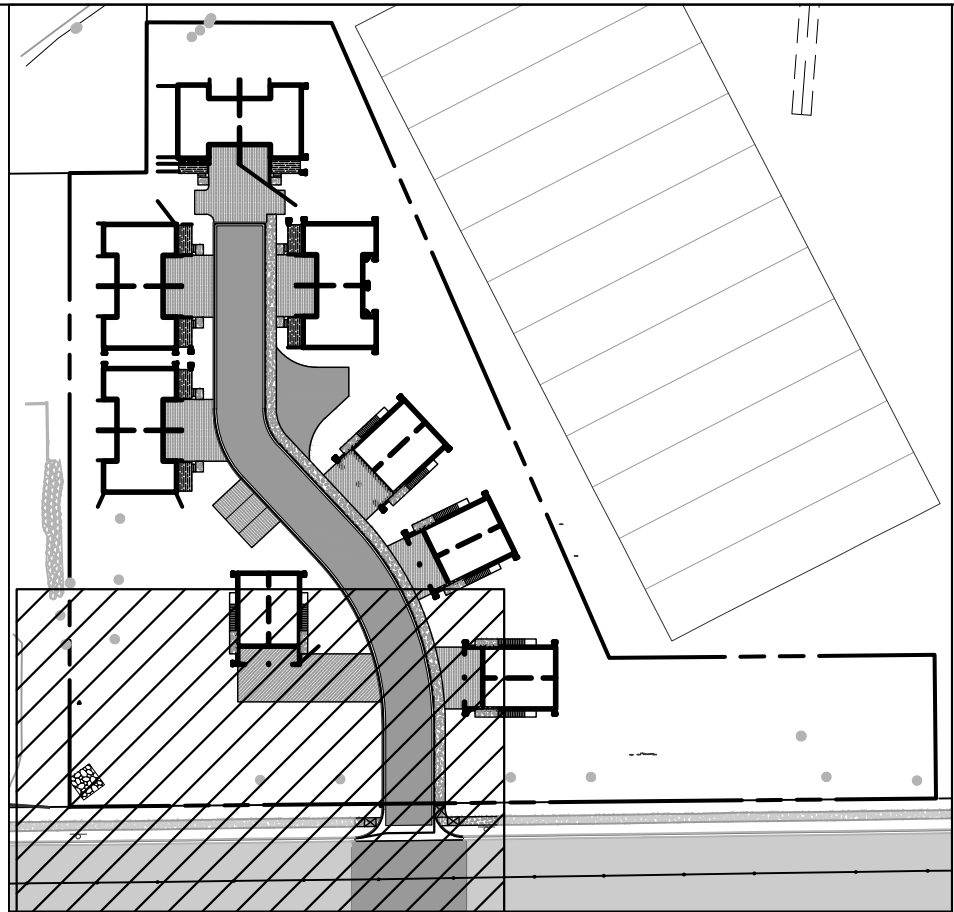
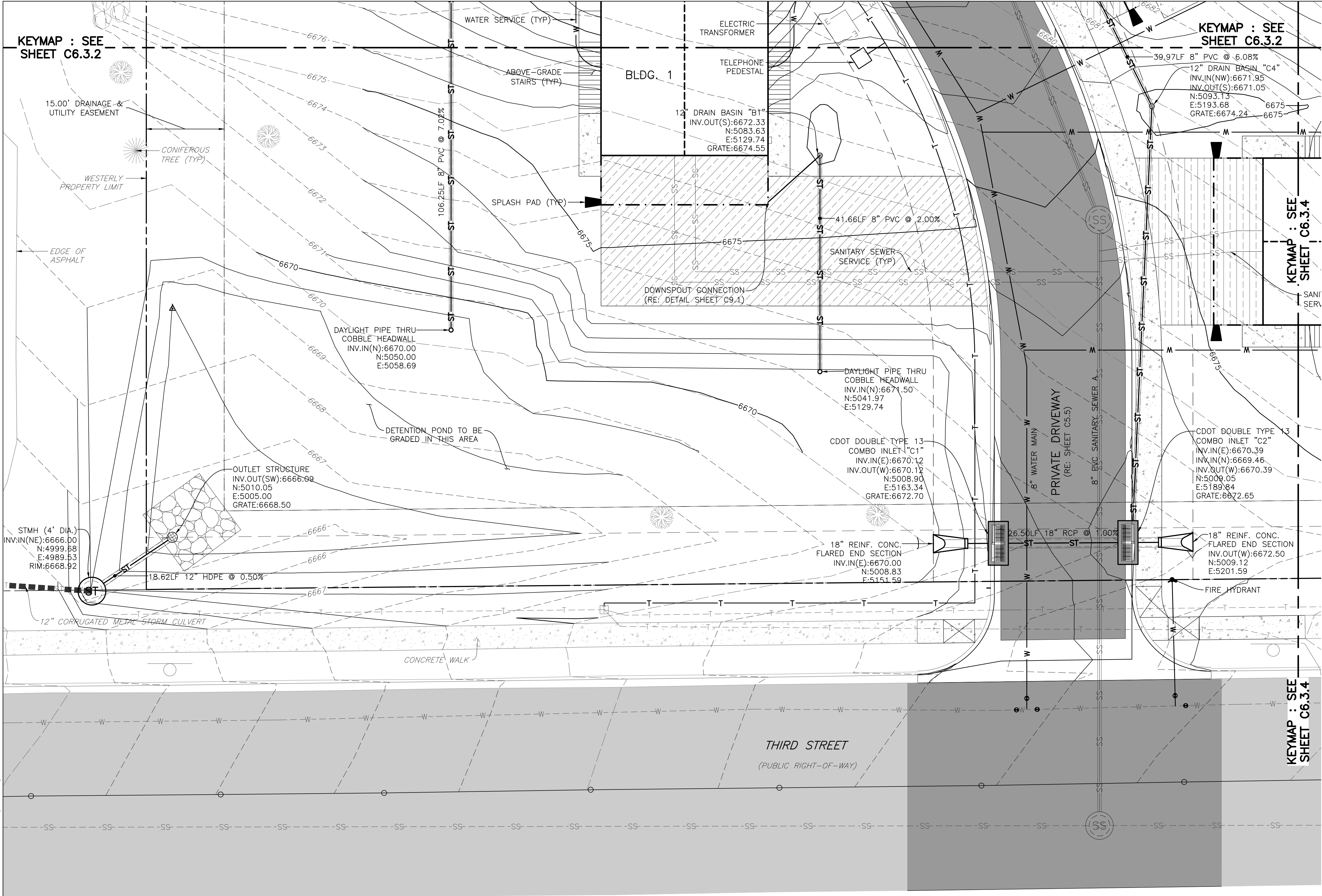
SHEET NO.
C6.2.3



FOR UTILITY NOTES, RE: SHEET C6.0.1



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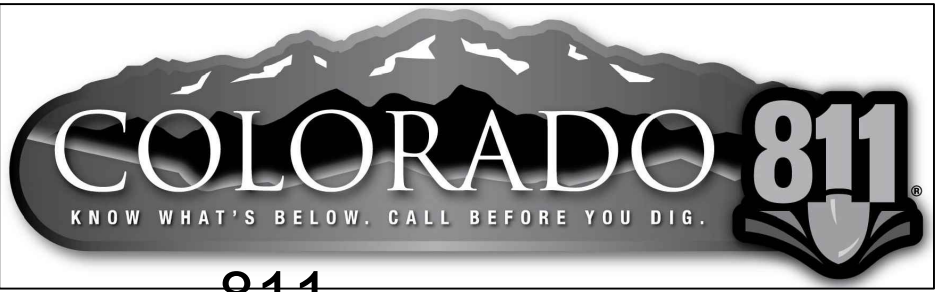
KEYMAP

SCALE: 1"=100'

FOR UTILITY NOTES, RE: SHEET C6.0.1



10 5 0 10 20
SCALE: 1"=10'



CALL 811 2-BUSINESS DAYS IN ADVANCE
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HABITAT FOR HUMANITY

THIRD STREET MIDDLE SCHOOL
EAGLE VALLEY MIDDLE SCHOOL
EAGLE, COLORADO

YARNELL CONSULTING &
CIVIL DESIGN, LLC

P.O. BOX 3901, EAGLE, COLORADO 81631
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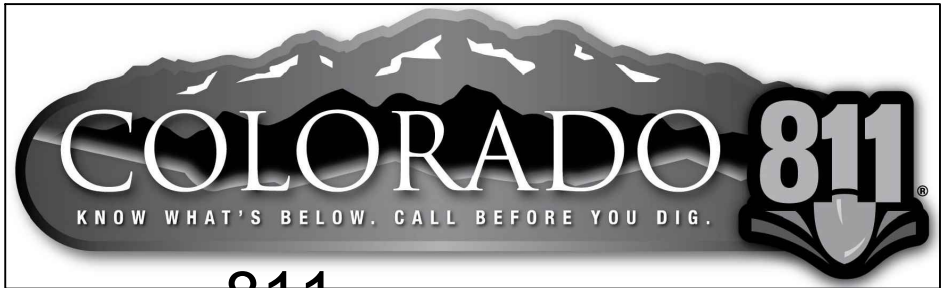
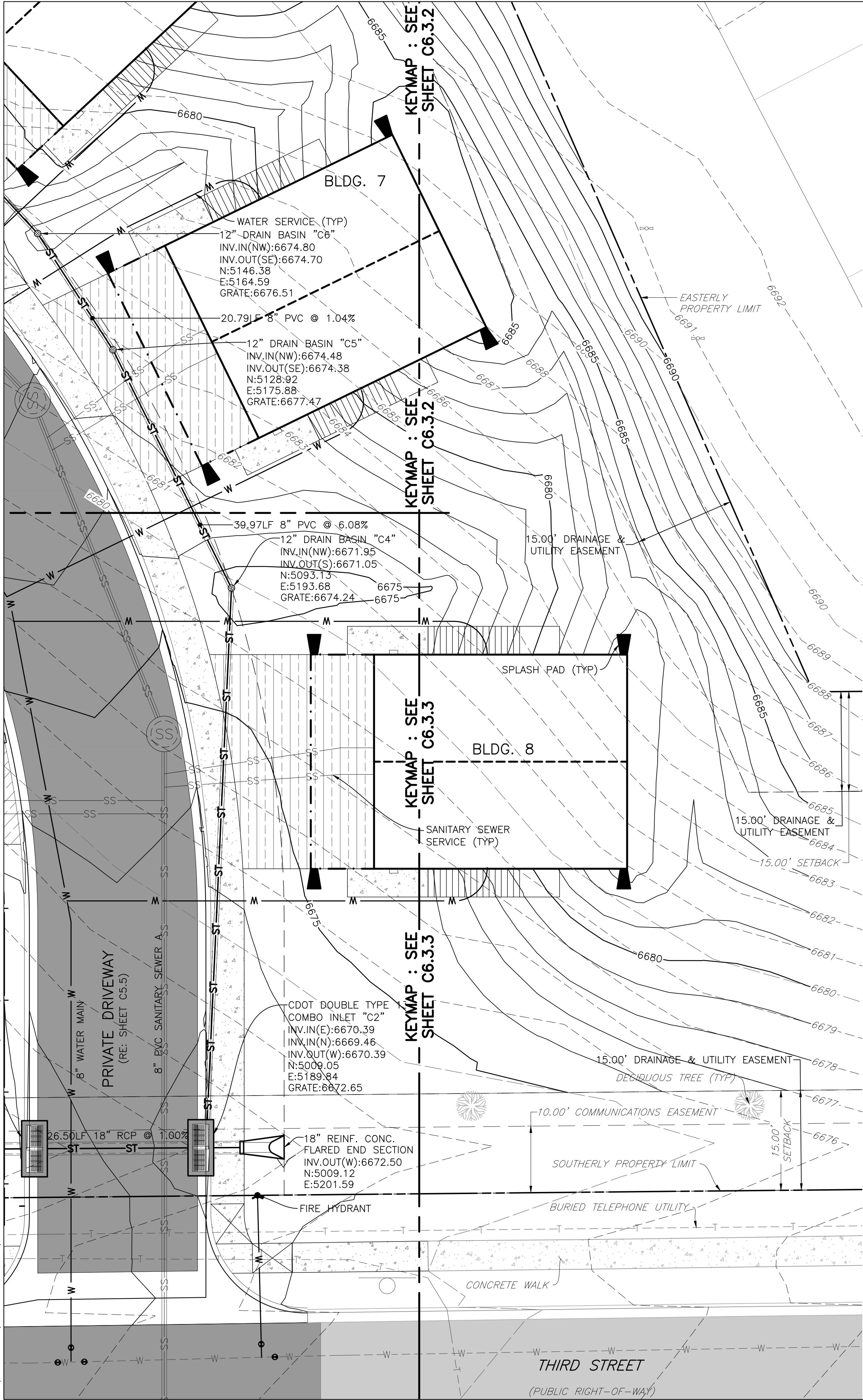
NO.	ISSUE / REVISION	DATE	NAME
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2.	DESIGN DEVELOPMENT (NO CONST.)	6/1/22	JULY
3.	DEVELOPMENT PERMIT (NO CONST.)	9/13/22	JULY
4.			JULY
5.			JULY

DESIGN BY: J. YARNELL	DATE: 9/12/2022
DRAWN BY: J. YARNELL	
REVIEWED BY: J. YARNELL	
PROJECT NO.: 22.010	

SHEET TITLE
STORM SEWER
UTILITY PLAN

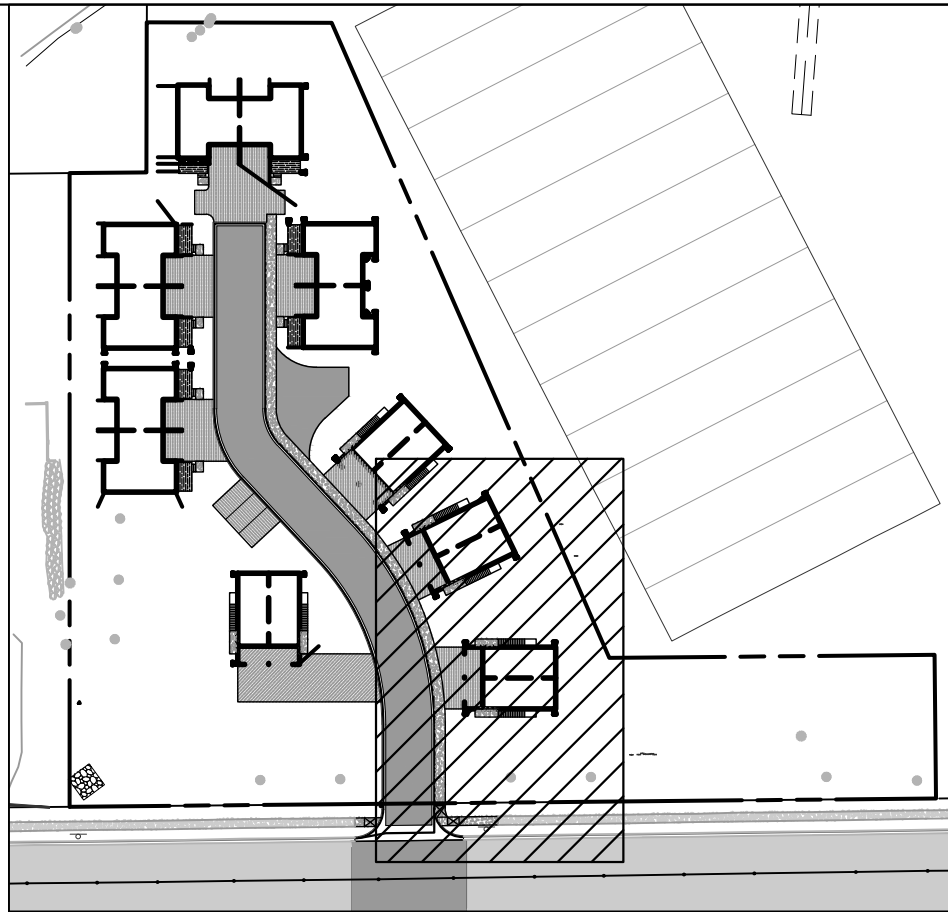
SHEET NO.
C6.3.3

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KEYMAP

SCALE: 1"=100'

FOR UTILITY NOTES, RE: SHEET C6.0.1

HABITAT FOR HUMANITY
THIRD STREET MIDDLE SCHOOL
EAGLE, COLORADO

YARNELL CONSULTING &
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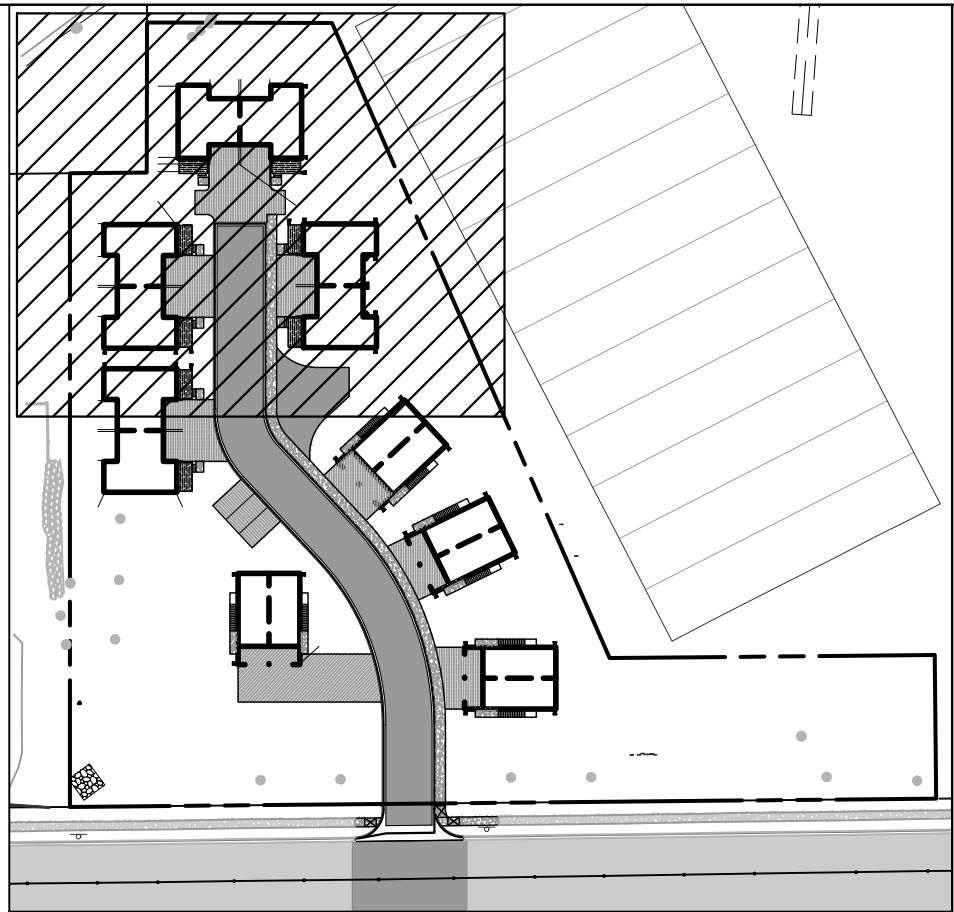
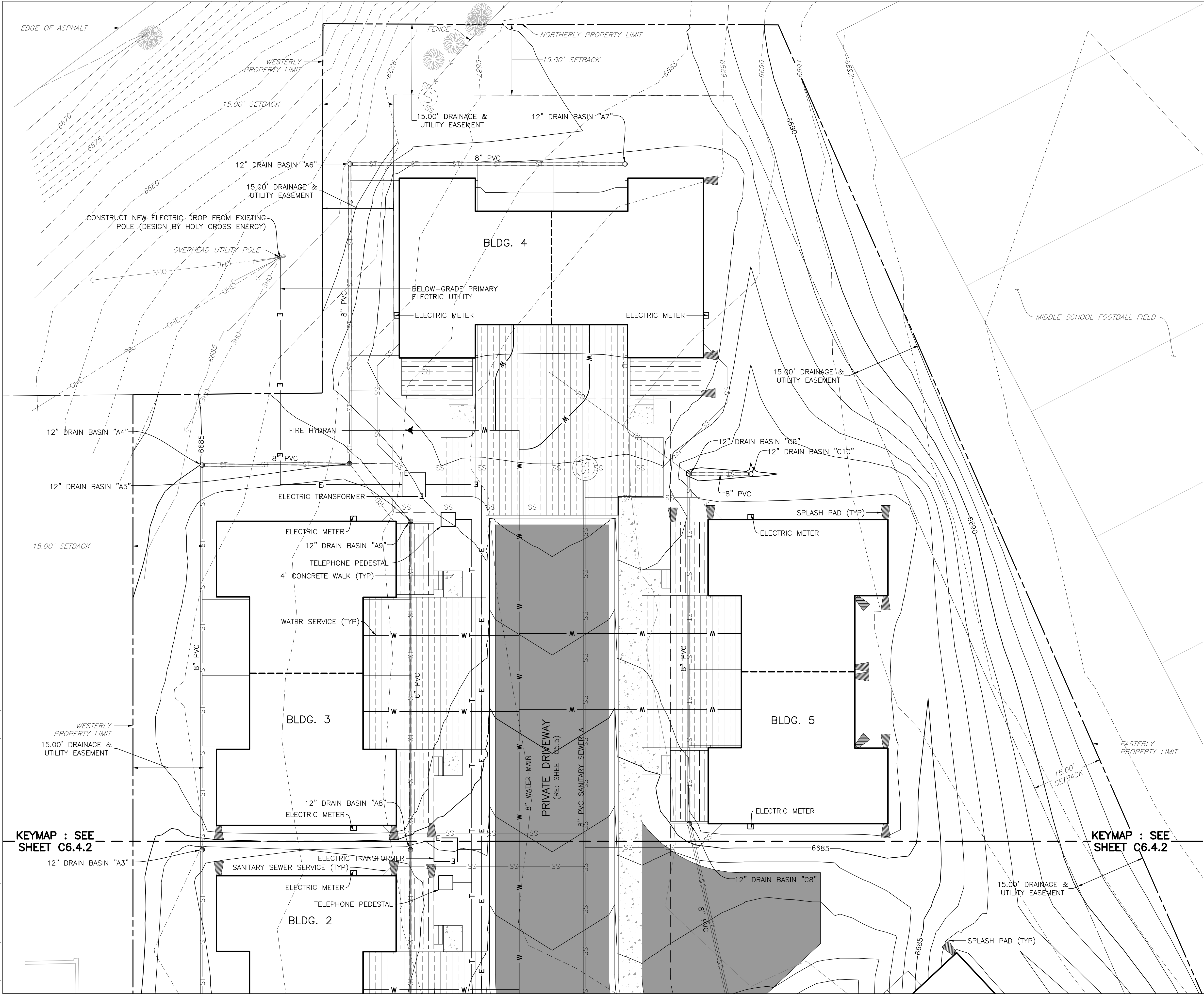
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3.	DEVELOPMENT PERMIT (NO CONST.)	9/13/22	JUY
4.			JUY
5.			JUY

DESIGN BY: J. YARNELL	DATE: 9/12/2022
DRAWN BY: J. YARNELL	
REVIEWED BY: J. YARNELL	
PROJECT NO.: 22.010	

SHEET TITLE
STORM SEWER
UTILITY PLAN

SHEET NO.
C6.3.4

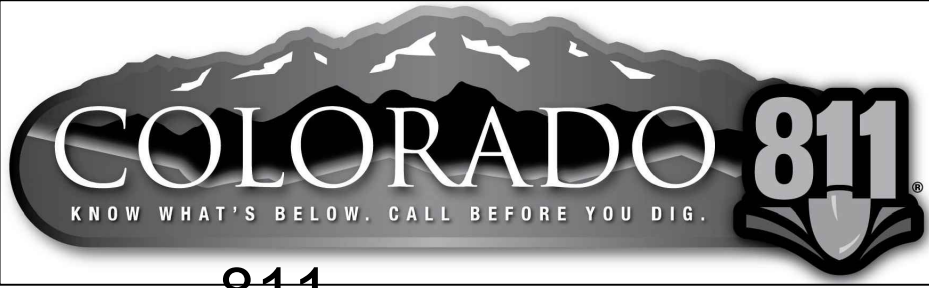
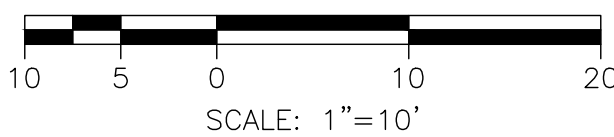
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KEYMAP

SCALE: 1"=100'

FOR UTILITY NOTES, RE: SHEET C6.0.1

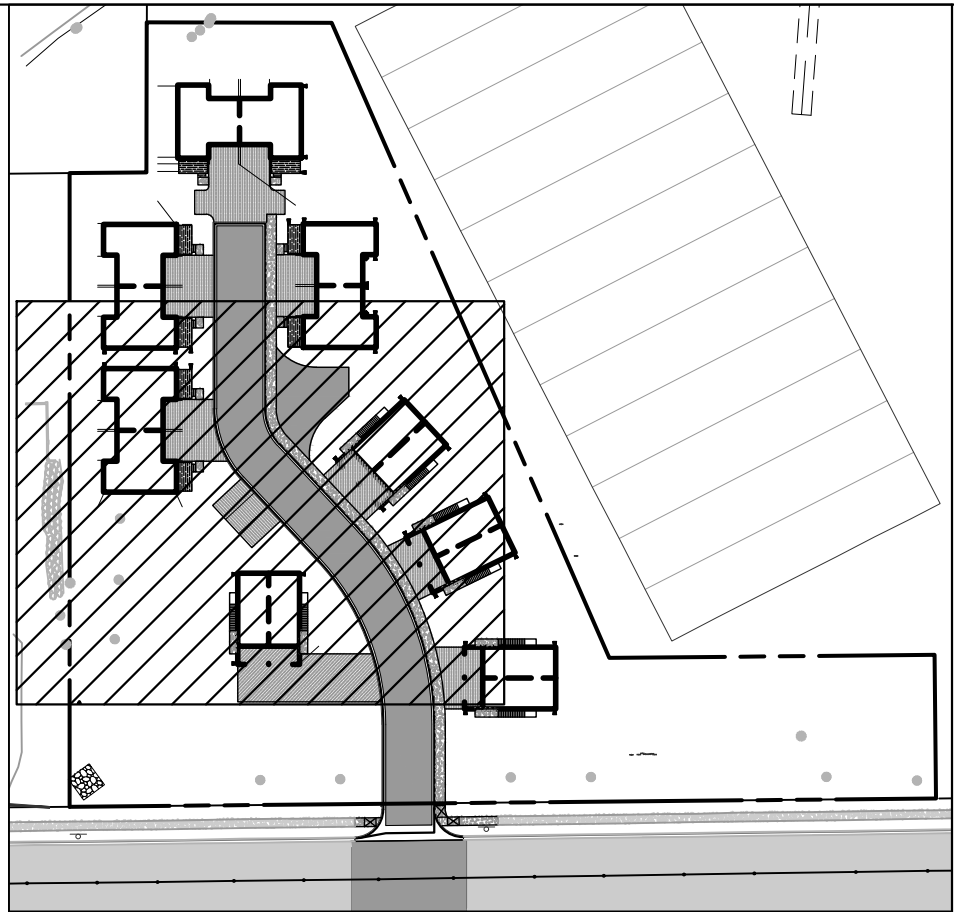
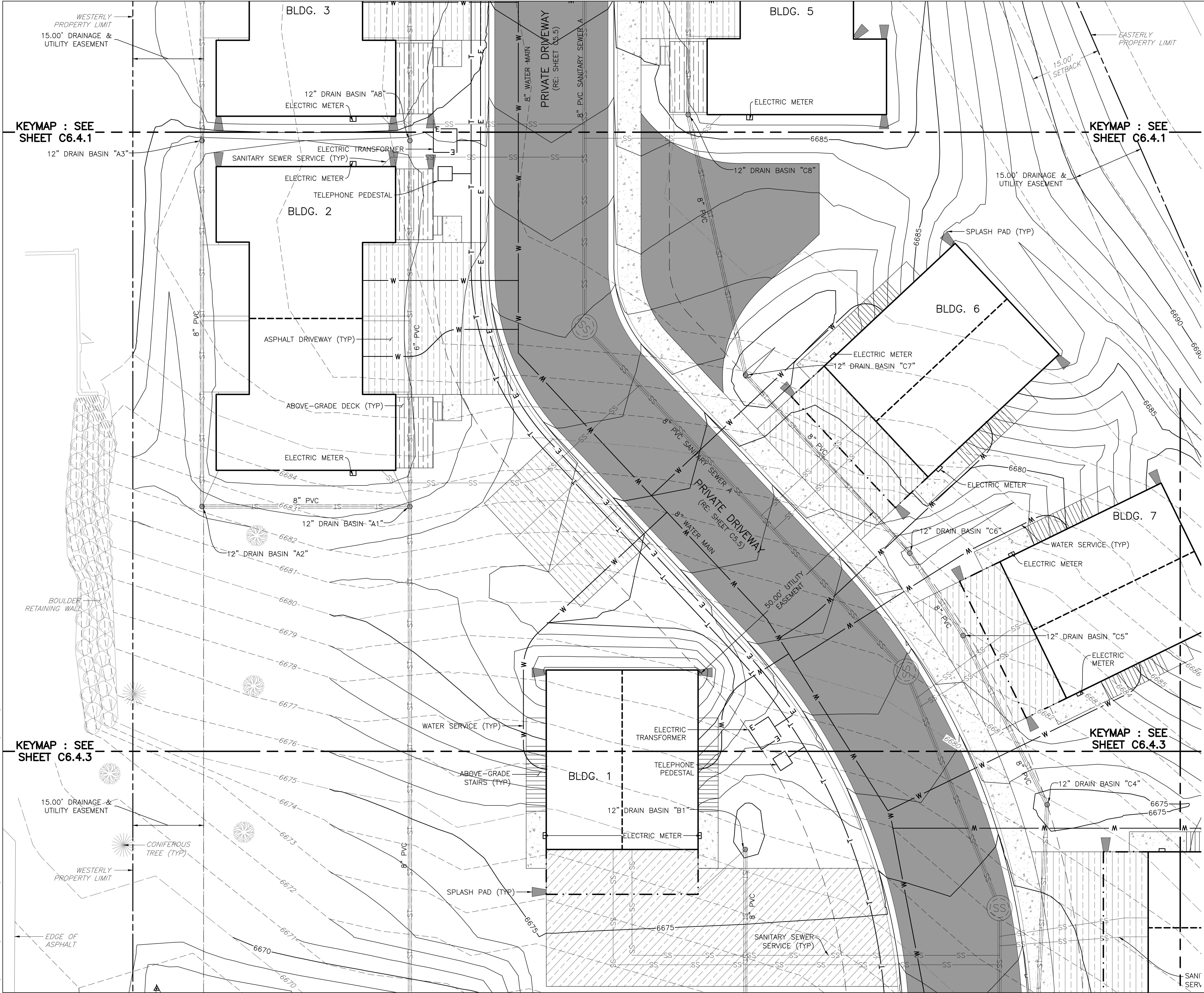


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THIRD STREET MIDDLE SCHOOL			
EAGLE VALLEY MIDDLE SCHOOL			
EAGLE, COLORADO			
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3.	DEVELOPMENT PERMIT (NO CONST.)	J. YARNELL	9/13/22
4.			
5.			
DESIGN BY:	J. YARNELL		
DRAWN BY:	J. YARNELL		
REVIEWED BY:	J. YARNELL		
PROJECT NO.:	22.010		
DATE:	9/12/2022		
SHEET TITLE			
DRY UTILITIES PLAN			
SHEET NO.			
C6.4.1			

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KEYMAP

SCALE: 1"=100'

FOR UTILITY NOTES, RE: SHEET C6.0.1

HABITAT FOR HUMANITY
THIRD STREET PARCEL
EAGLE VALLEY MIDDLE SCHOOL
EAGLE, COLORADO

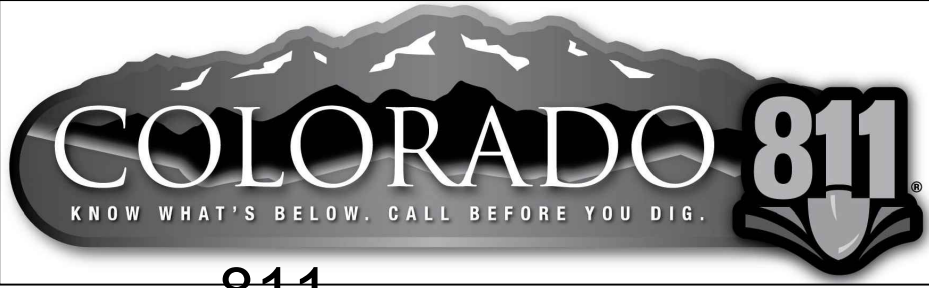
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DESIGN BY: J. YARNELL	DATE: 9/12/2022
DRAWN BY: J. YARNELL	
REVIEWED BY: J. YARNELL	
PROJECT NO.: 22.010	

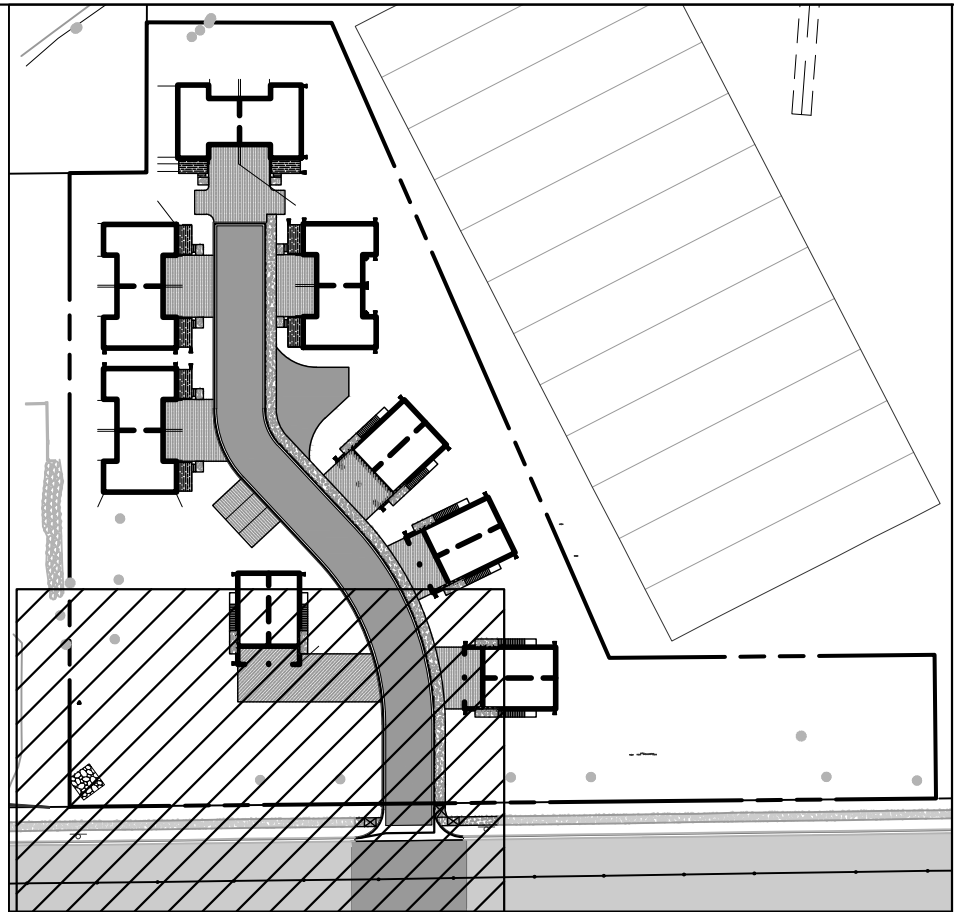
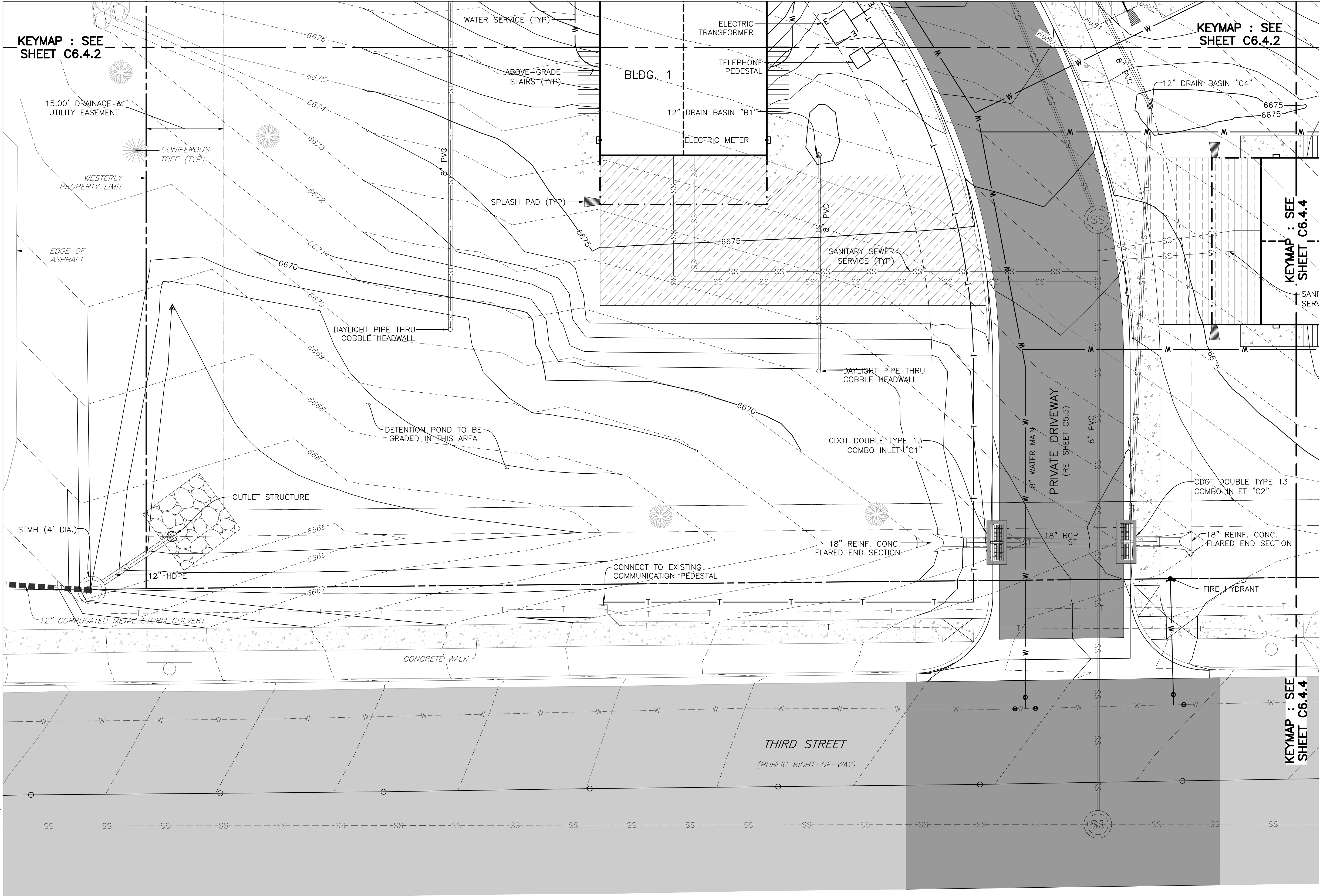
SHEET TITLE
DRY UTILITIES PLAN
SHEET NO.
C6.4.2



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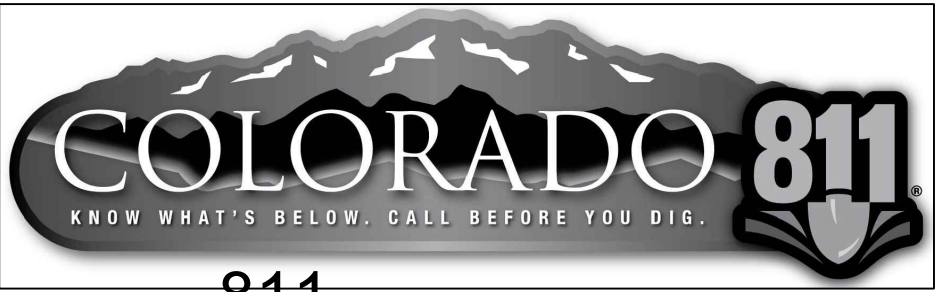
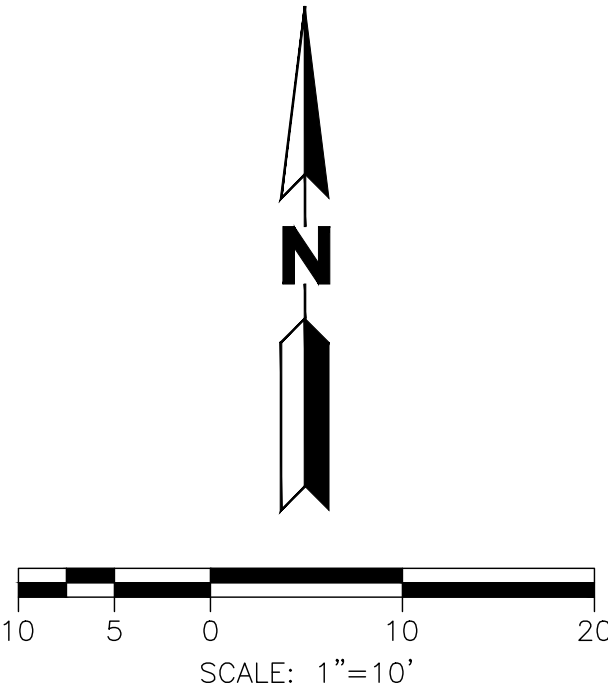
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KEYMAP

SCALE: 1"=100'

FOR UTILITY NOTES, RE: SHEET C6.0.1



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HABITAT FOR HUMANITY
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EAGLE, COLORADO

YARNELL CONSULTING &
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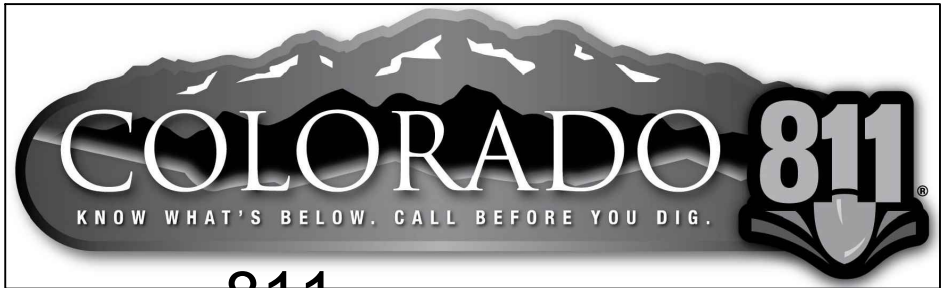
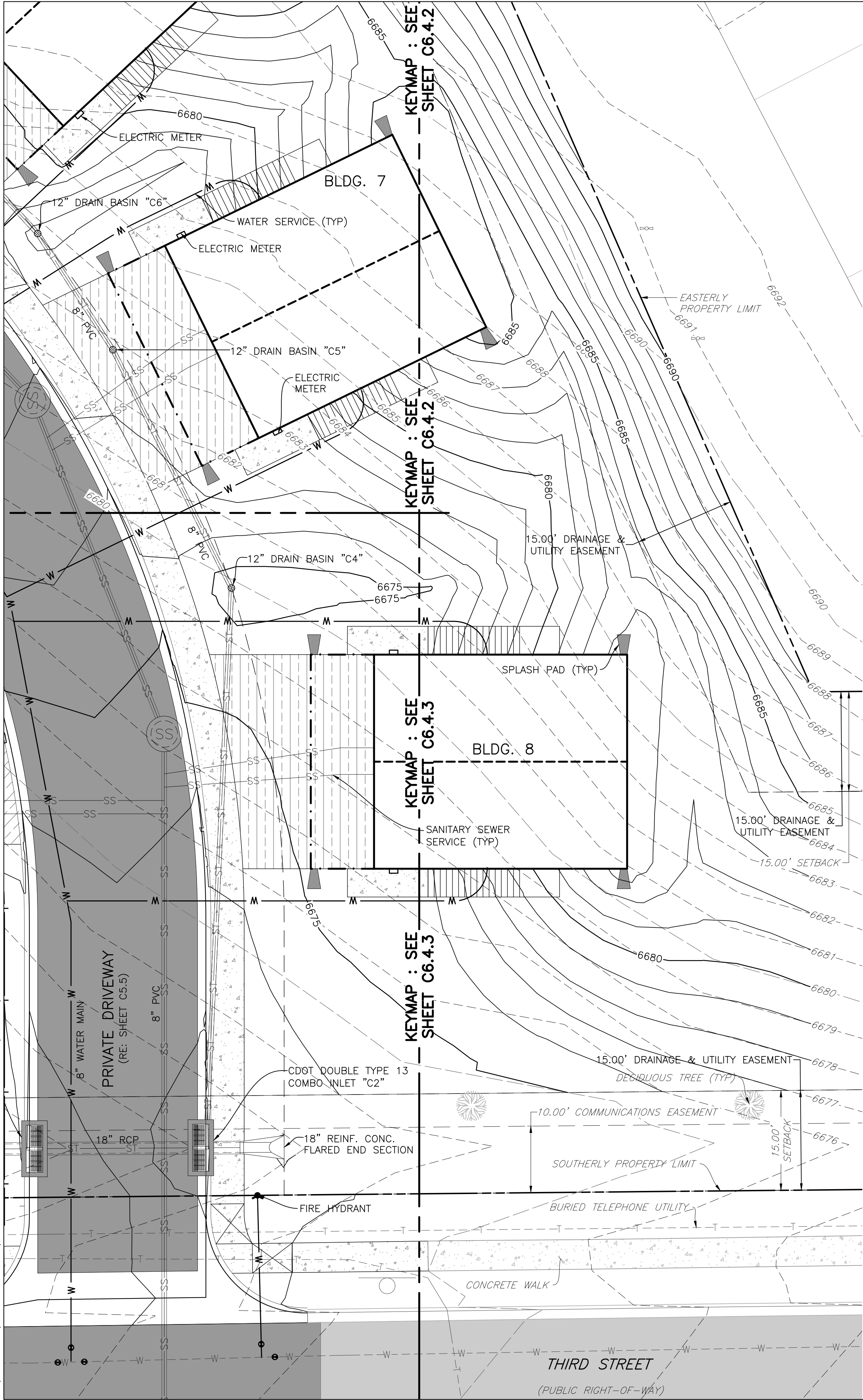
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4.			JUY
5.			JUY

DESIGN BY: J. YARNELL	DATE: 9/12/2022
DRAWN BY: J. YARNELL	
REVIEWED BY: J. YARNELL	
PROJECT NO.: 22.010	

SHEET TITLE
DRY UTILITIES
PLAN

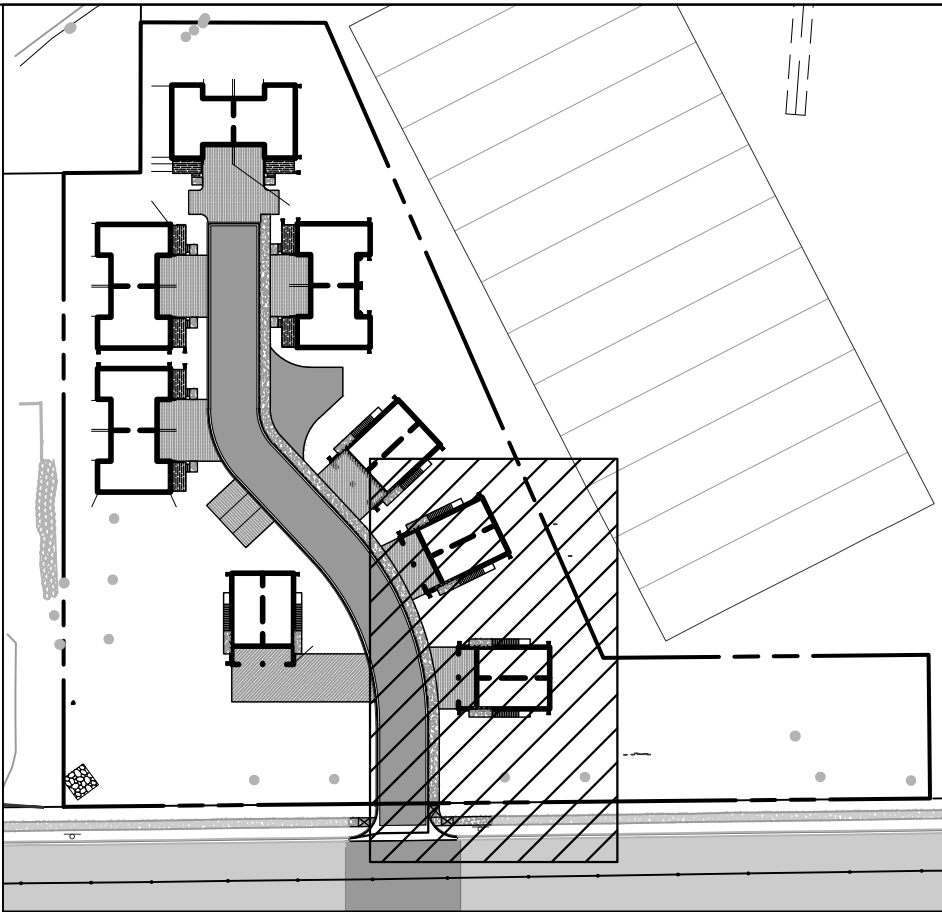
SHEET NO.
C6.4.3

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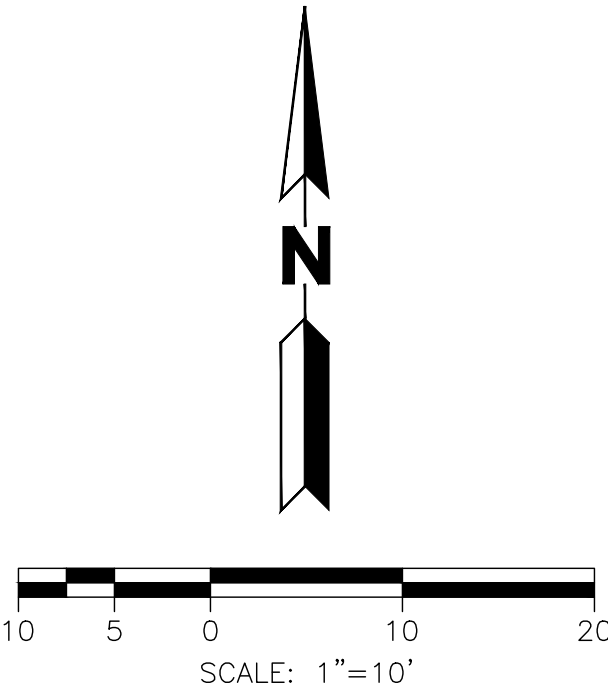
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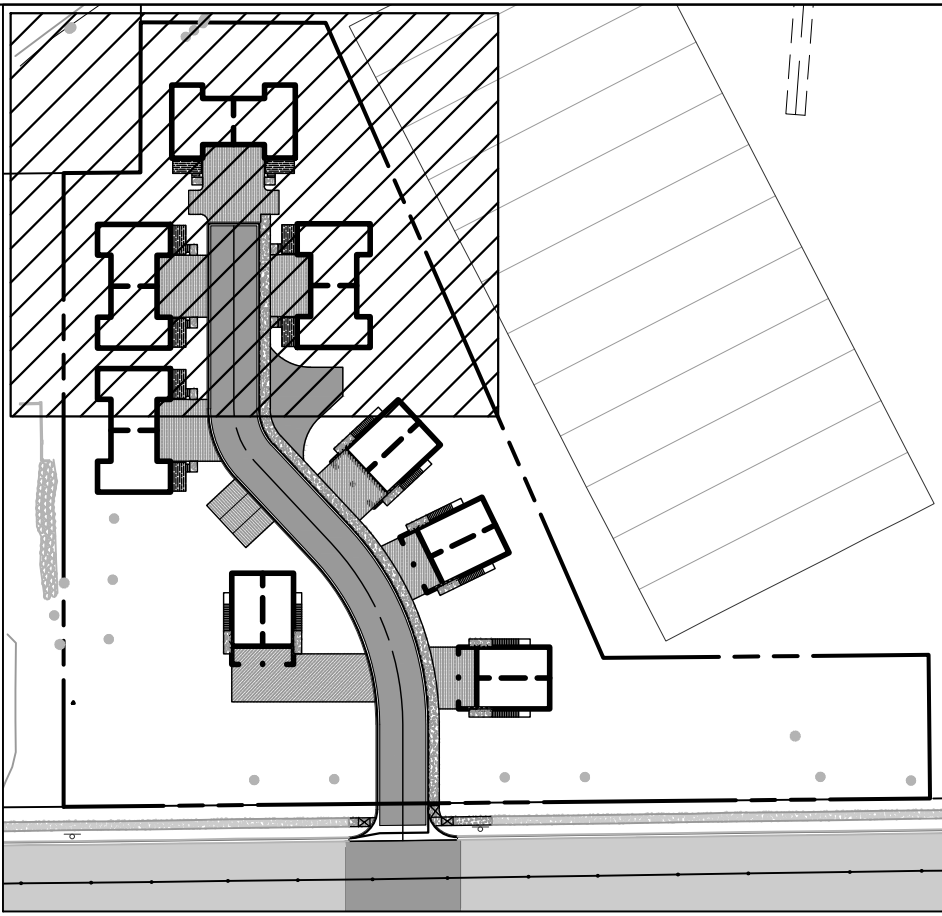
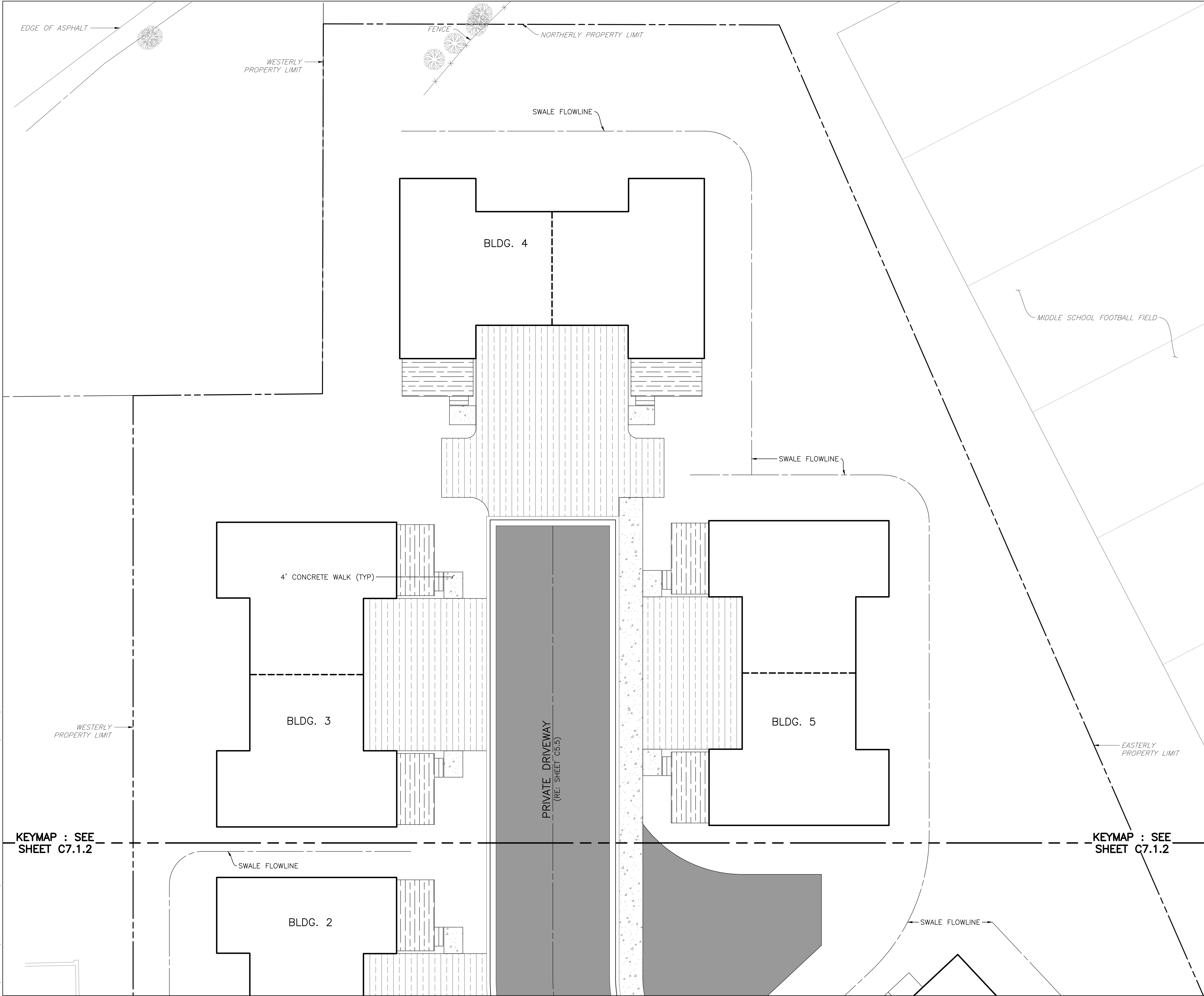
SCALE: 1"=100'

FOR UTILITY NOTES, RE: SHEET C6.0.1



SHEET NO.				C6.4.4			
SHEET TITLE							
DRY UTILITIES PLAN							
DESIGN BY: J. YARNELL		DRAWN BY: J. YARNELL		PROJECT NO.: 22.010		DATE: 9/12/2022	
NO.	ISSUE / REVISION	NAME	DATE				
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YARNELL CONSULTING & CIVIL DESIGN, LLC				P.O. BOX 3901, EAGLE, COLORADO 81631 (970) 323-7008			
HABITAT FOR HUMANITY				THIRD STREET PARCEL EAGLE VALLEY MIDDLE SCHOOL EAGLE, COLORADO			

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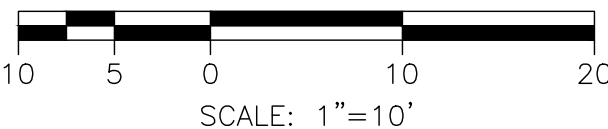
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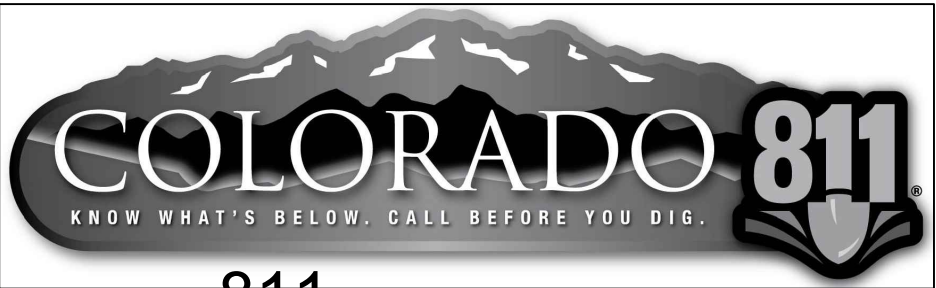
FOR LINE & CURVE TABLES, RE: SHEET C7.2.1

SITE HORIZONTAL CONTROL NOTES:

- ALL DIMENSIONS, CURVE DATA AND LINE DATA ARE AT THE FOLLOWING LOCATIONS:
 - 1.1. FLOWLINES FOR SWALES, PANS, AND CURB & GUTTERS;
 - 1.2. EDGE OF PAVEMENT FOR ASPHALT AND CONCRETE; AND
 - 1.3. GRADE BREAKS.
- ALL PAVEMENT MARKING WITHIN PARKING AREA SHALL BE PAVEMENT MARKING PAINT. ALL PARKING STALLS SHALL BE FOUR INCHES (4") WIDE WHITE PAVEMENT MARKING PAINT. PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH SECTION 627--PAVEMENT MARKINGS, OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION -- COLORADO DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
- CONTRACTOR TO SUBMIT JOINT PATTERN FOR CONCRETE PAVEMENT, PRIOR TO CONSTRUCTION.
- THESE PLANS ARE BASED UPON THE ARCHITECTURAL BUILDING PLANS PREPARED BY [REDACTED], DATED [REDACTED] AS PROVIDED DIGITALLY. ANY SUBSEQUENT REVISIONS TO BUILDING PLANS ARE NOT REFLECTED IN THIS PLAN SET. CONTRACTOR TO VERIFY AND COORDINATE DOOR LOCATIONS WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCY.
- REFER TO ELECTRICAL PLANS FOR SITE LIGHTING POLE LOCATIONS. COORDINATE ANY DISCREPANCIES WITH ENGINEER PRIOR TO INSTALLATION OF POLE BASES.



SCALE: 1"=10'



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.

KEYMAP : SEE SHEET C7.1.2

KEYMAP : SEE SHEET C7.1.2

HABITAT FOR HUMANITY

THIRD STREET PARCEL
EAGLE VALLEY MIDDLE SCHOOL
EAGLE, COLORADO

YARNELL CONSULTING &
CIVIL DESIGN, LLC

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

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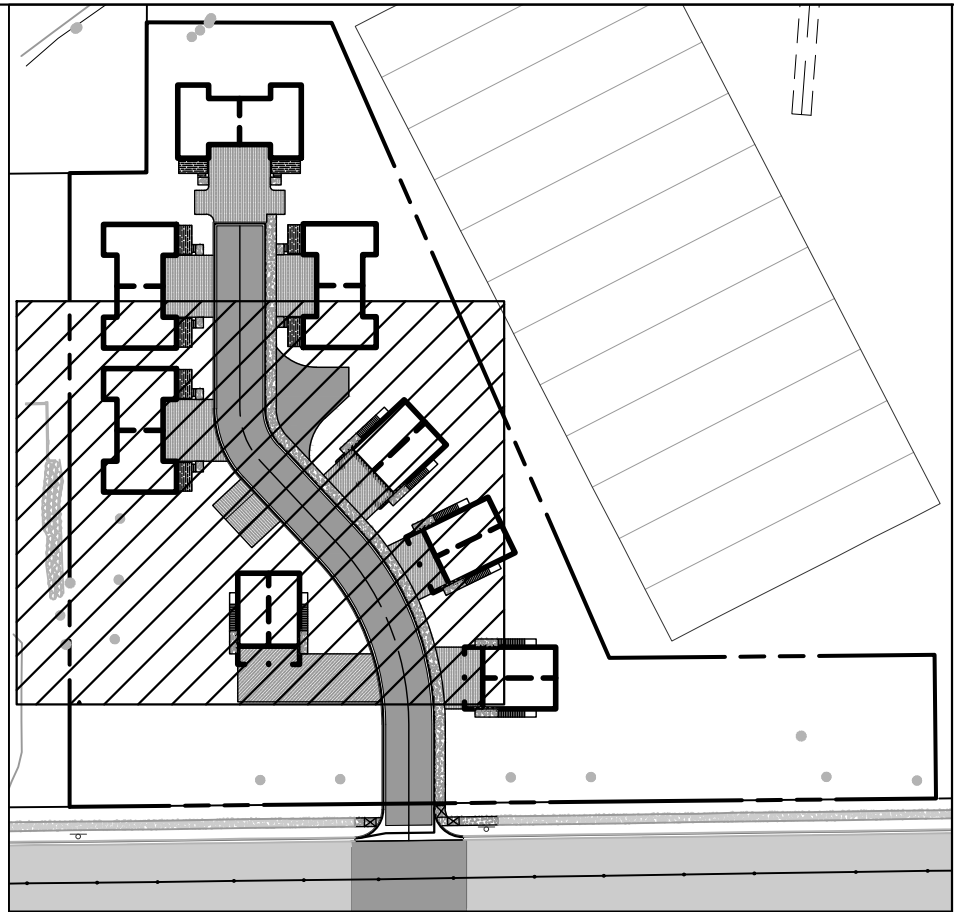
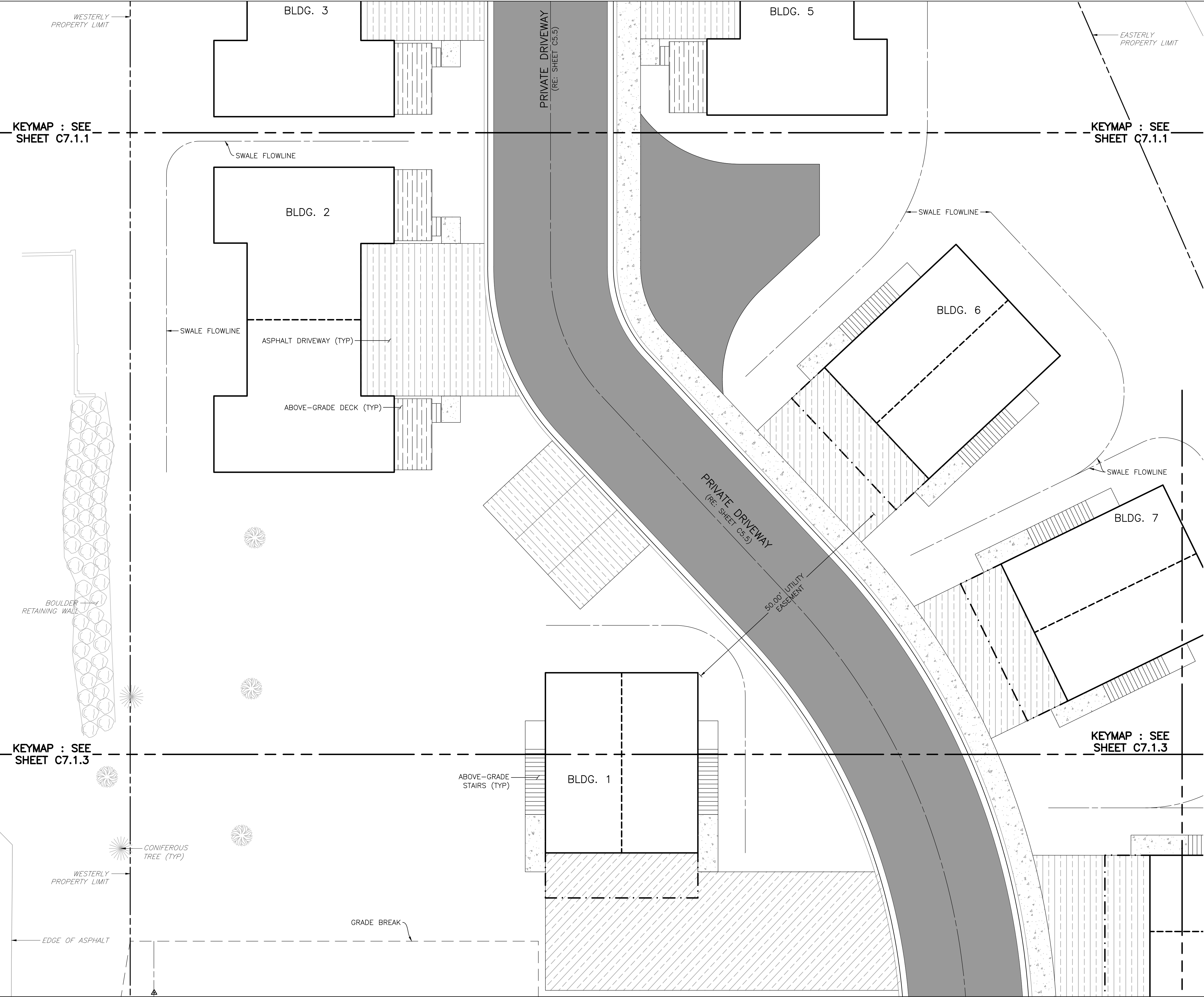
NO.	ISSUE / REVISION	DATE	NAME
1.	SCHEMATIC DESIGN (NO CONST.)	4/13/22	JYJ
2.	DESIGN DEVELOPMENT (NO CONST.)	6/1/22	JYJ
3.	DEVELOPMENT PERMIT (NO CONST.)	9/13/22	JYJ
4.			JYJ
5.			JYJ

DESIGN BY: J. YARNELL	DATE: 9/12/2022
DRAWN BY: J. YARNELL	
REVIEWED BY: J. YARNELL	
PROJECT NO.: 22.010	

SHEET TITLE
HORIZONTAL CONTROL PLAN

SHEET NO.
C7.1.1

D:\DROPBOX\PROJECT FILES\22.010-THIRD STREET PARCEL, EAGLE\PLANS\C7.1.1 HORIZONTAL CONTROL PLAN

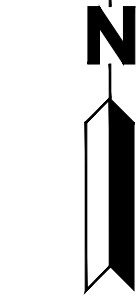
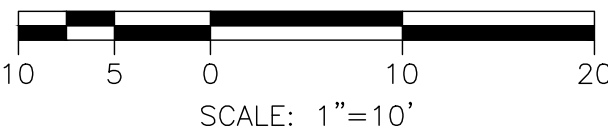


KEYMAP

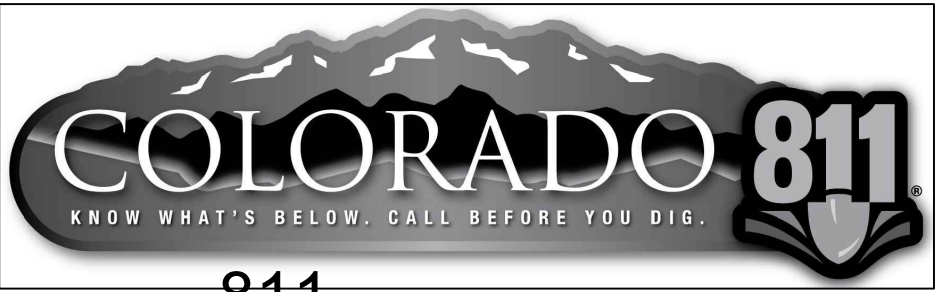
SCALE: 1"=100'

FOR HORIZONTAL CONTROL NOTES, RE: SHEET C7.1.1

FOR LINE & CURVE TABLES, RE: SHEET C7.2.1



SCALE: 1"=10'



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HABITAT FOR HUMANITY
THIRD STREET MIDDLE SCHOOL
EAGLE, COLORADO

YARNELL CONSULTING &
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P.O. BOX 3901, EAGLE, COLORADO 81631
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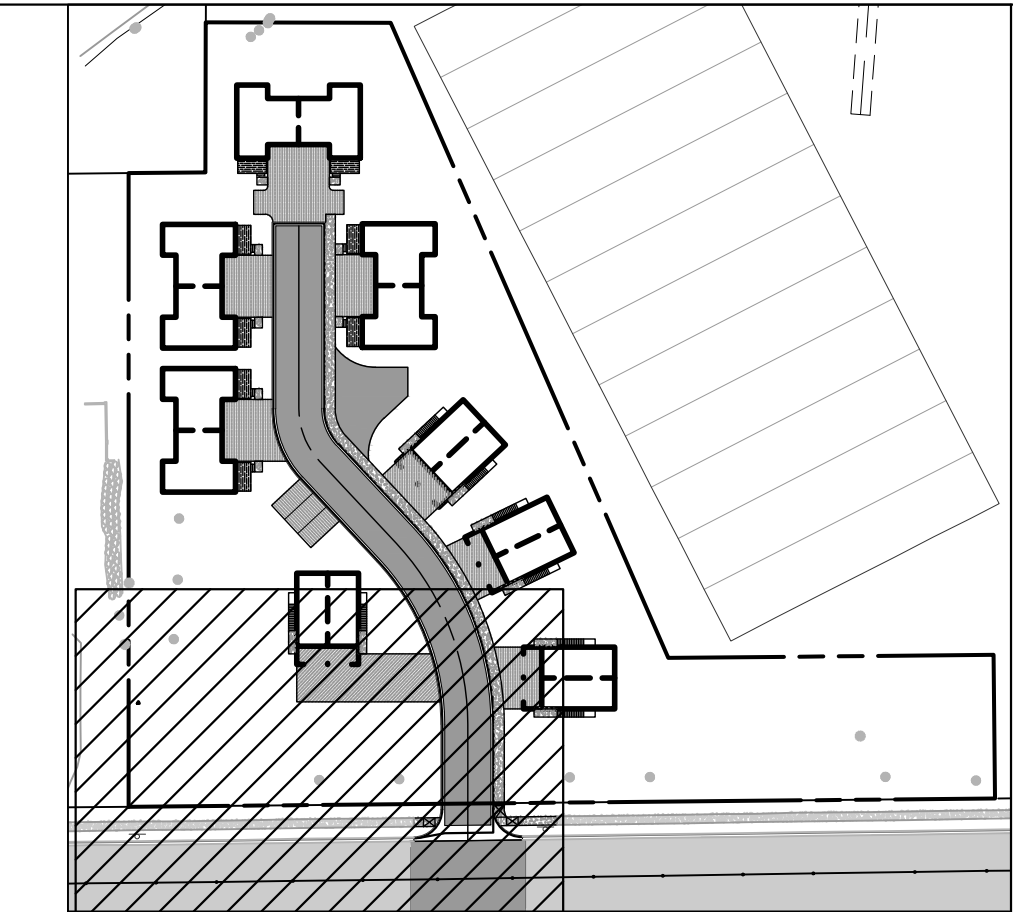
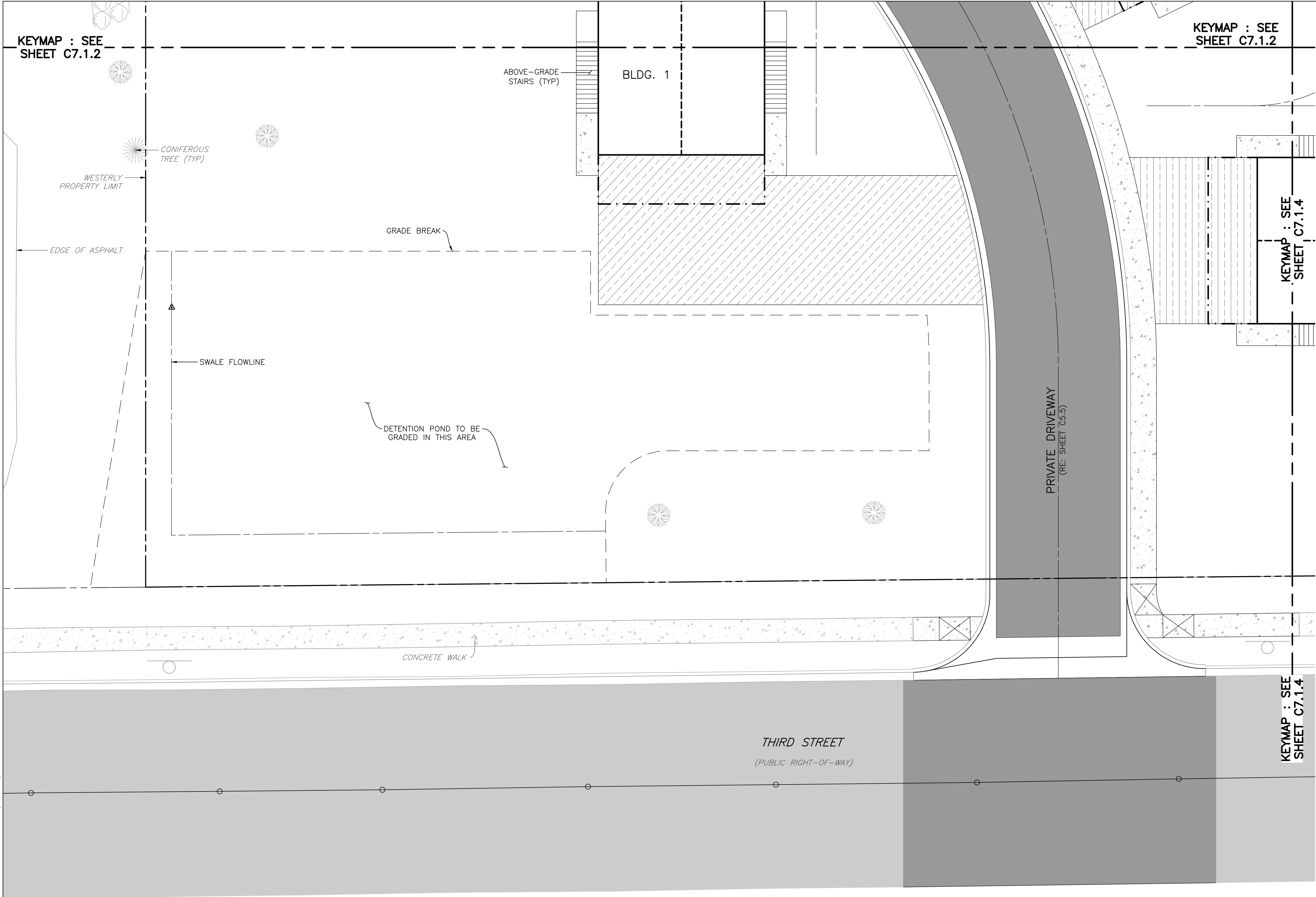
NO.	ISSUE / REVISION	NAME	DATE
1.	SCHEMATIC DESIGN (NO CONST.)	JUY	4/13/22
2.	DESIGN DEVELOPMENT (NO CONST.)	JUY	6/1/22
3.	DEVELOPMENT PERMIT (NO CONST.)	JUY	9/13/22
4.		JUY	
5.		JUY	

DESIGN BY: J. YARNELL	DATE: 9/12/2022
DRAWN BY: J. YARNELL	
REVIEWED BY: J. YARNELL	
PROJECT NO.: 22.010	

SHEET TITLE
HORIZONTAL CONTROL PLAN

SHEET NO.
C7.1.2

D:\DROPBOX\PROJECT FILES\22.010-THIRD STREET PARCEL, EAGLE\PLANS\C7.1.1 HORIZONTAL CONTROL PLAN

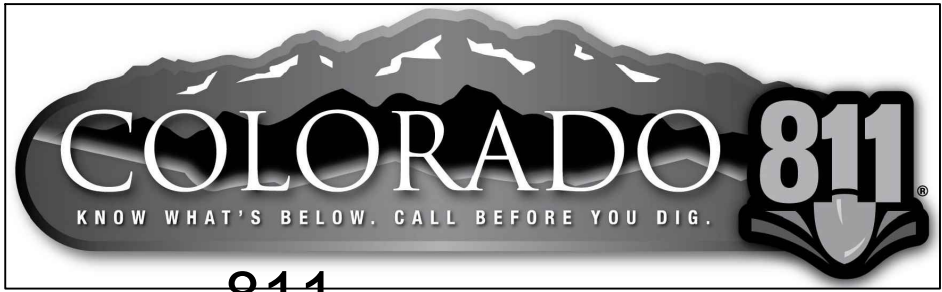
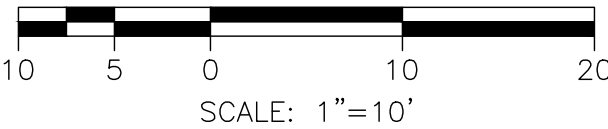


KEYMAP

SCALE: 1"=100'

FOR HORIZONTAL CONTROL NOTES, RE: SHEET C7.1.1

FOR LINE & CURVE TABLES, RE: SHEET C7.2.1

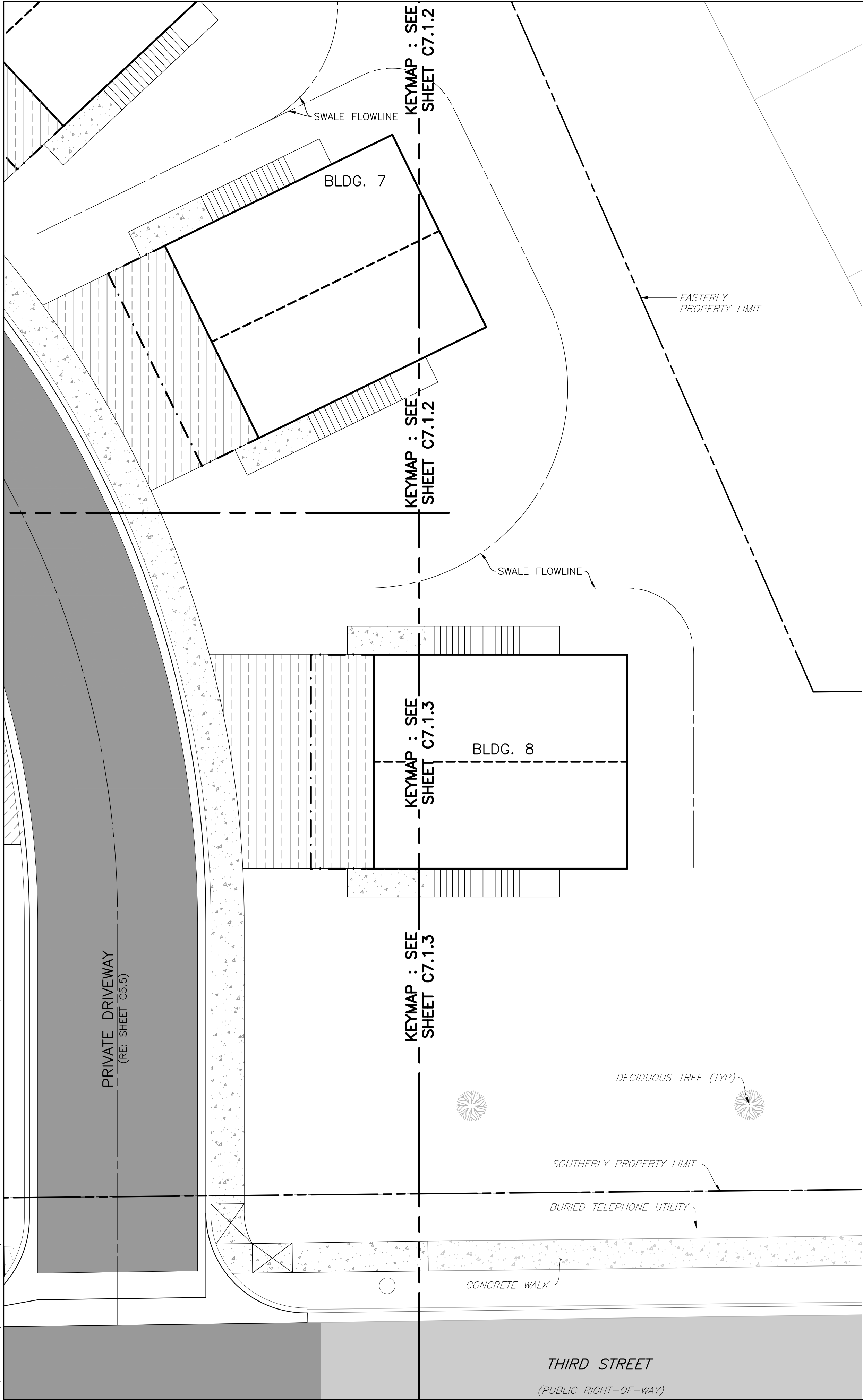


CALL 811 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR MARKING OF UNDERGROUND MEMBER UTILITIES

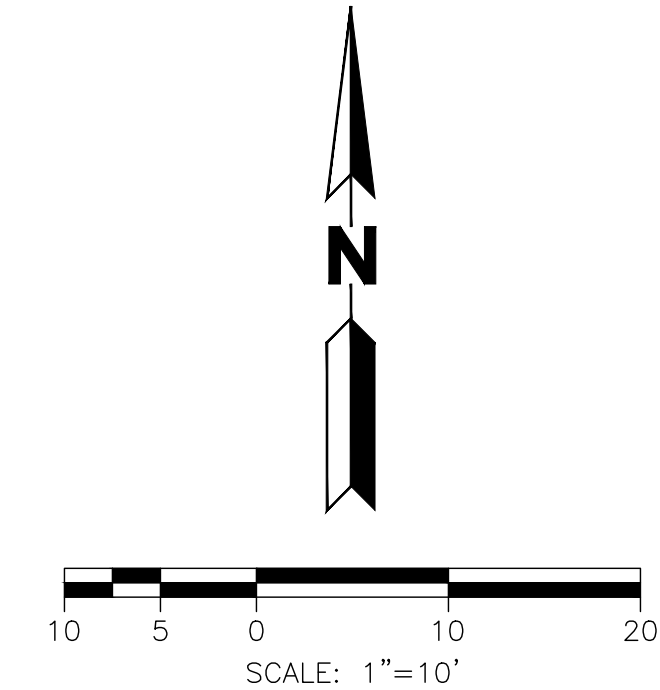
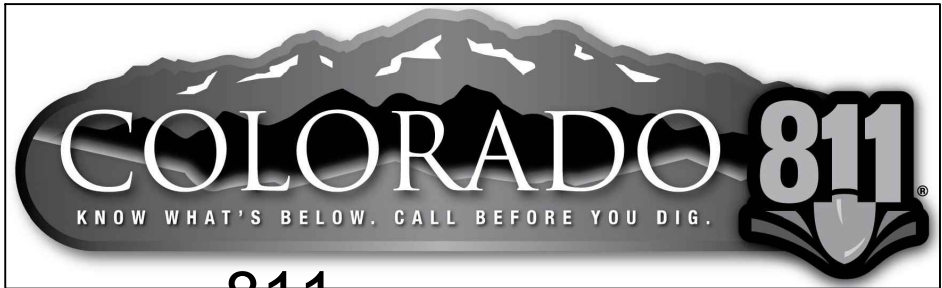
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HABITAT FOR HUMANITY		THIRD STREET PARCEL	
EAGLE, COLORADO		EAGLE VALLEY MIDDLE SCHOOL	
YARNELL CONSULTING & CIVIL DESIGN, LLC		P.O. BOX 3901, EAGLE, COLORADO 81631 (970) 323-7008	
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DESIGN BY: J. YARNELL	NO. 1	ISSUE / REVISION	NAME
DRAWN BY: J. YARNELL	2	SCHEMATIC DESIGN (NO CONST.)	DATE
REVIEWED BY: J. YARNELL	3	DESIGN DEVELOPMENT (NO CONST.)	4/13/22
PROJECT NO.: 22.010	4	DEVELOPMENT PERMIT (NO CONST.)	6/1/22
DATE: 9/12/2022	5		9/13/22
SHEET TITLE			
HORIZONTAL CONTROL PLAN			
SHEET NO.			
C7.1.3			

D:\DROPOX\PROJECT FILES\22.010--THIRD STREET PARCEL, EAGLE\PLANS\C7.1.1 HORIZONTAL CONTROL PLAN

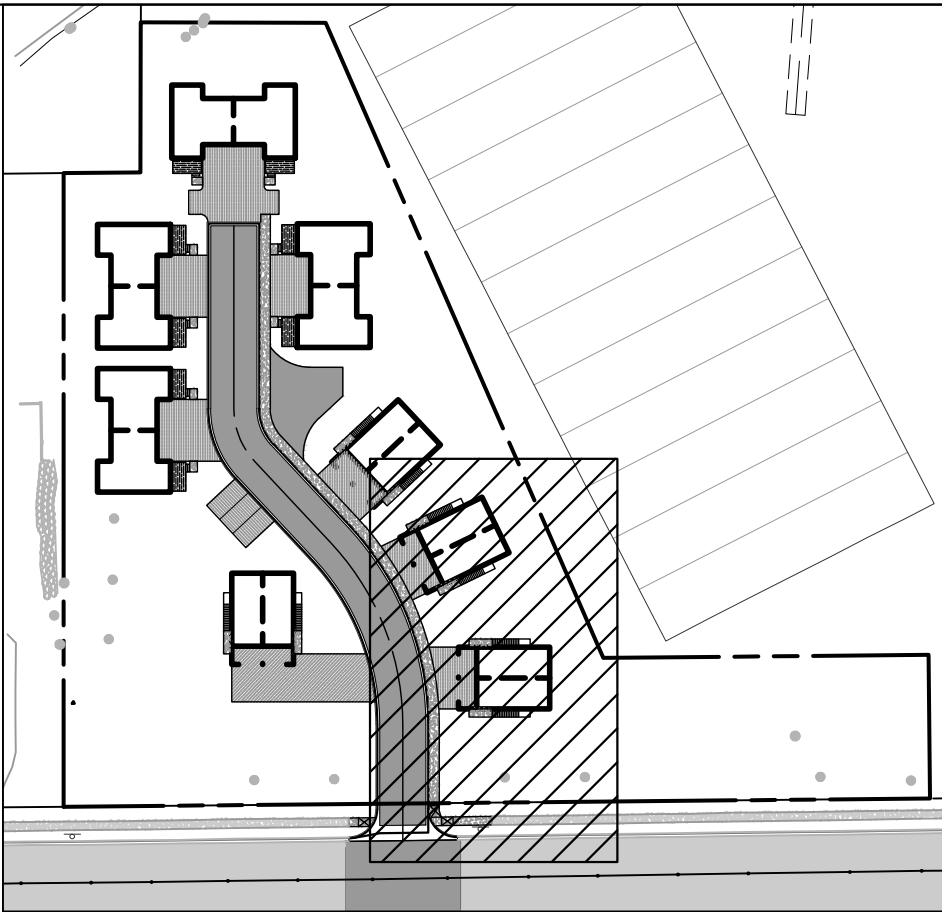


ADD PAVEMENT LEGEND



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MARKING OF UNDERGROUND MEMBER UTILITIES

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KEYMAP

SCALE: 1"=100'

FOR HORIZONTAL CONTROL NOTES, RE:
SHEET C7.1.1

FOR LINE & CURVE TABLES, RE: SHEET
C7.2.1

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4.			JYJ
5.			JYJ

DESIGN BY: J. YARNELL	DATE: 9/12/2022
DRAWN BY: J. YARNELL	
REVIEWED BY: J. YARNELL	
PROJECT NO.: 22.010	

SHEET TITLE
HORIZONTAL
CONTROL PLAN

SHEET NO.
C7.1.4

HABITAT FOR HUMANITY
THIRD STREET MIDDLE SCHOOL
EAGLE, COLORADO

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

LINE & CURVE TABLE TO BE
PROVIDED IN A FUTURE SUBMITTAL

SHEET NO.
C7.2.1

SHEET TITLE
LINE & CURVE
TABLES

DESIGN BY: J. YARNELL	NO.	ISSUE / REVISION	DATE	NAME
DRAWN BY: J. YARNELL	1.	SCHEMATIC DESIGN (NO CONST.)	4/13/22	JYJ
REVIEWED BY: J. YARNELL	2.	DESIGN DEVELOPMENT (NO CONST.)	6/1/22	JYJ
PROJECT NO: 22.010	3.	DEVELOPMENT PERMIT (NO CONST.)	9/13/22	JYJ
DATE: 9/12/2022	4.			JYJ
	5.			JYJ

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(970) 323-7008

HABITAT FOR HUMANITY
THIRD STREET PARCEL
EAGLE VALLEY MIDDLE SCHOOL
EAGLE, COLORADO

DETAILS TO BE PROVIDED IN A FUTURE SUBMITTAL:

- POND OUTLET STRUCTURE
- FLARED END SECTION
- PIPE DISCHARGE THRU COBBLE HEADWALL

SHEET NO.
C9.1

SHEET TITLE
DETAILS

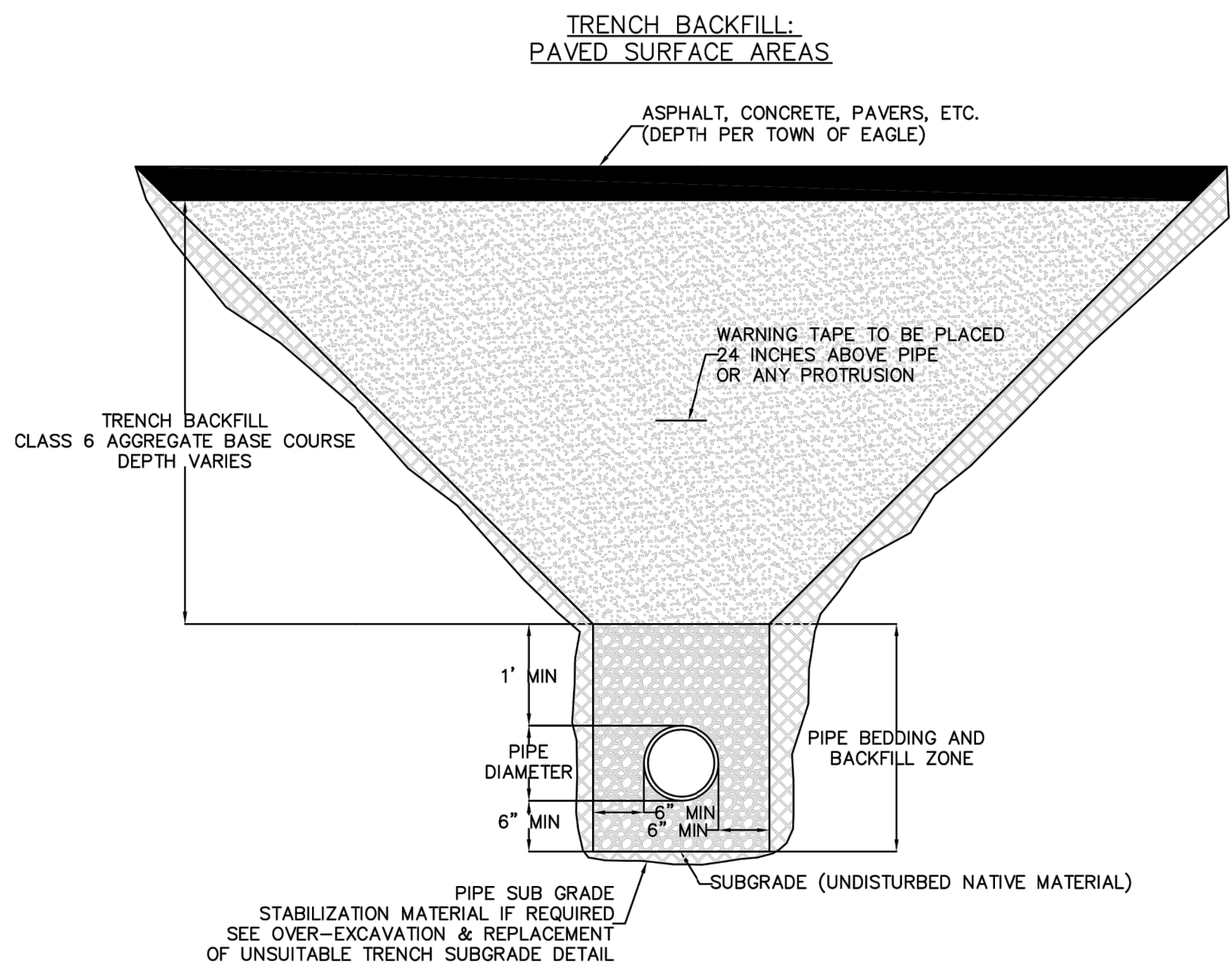
DESIGN BY: J. YARNELL	NO.	ISSUE / REVISION	DATE	NAME
DRAWN BY: J. YARNELL	1.	SCHEMATIC DESIGN (NO CONST.)	4/13/22	JY
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HABITAT FOR HUMANITY
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EAGLE VALLEY MIDDLE SCHOOL
EAGLE, COLORADO

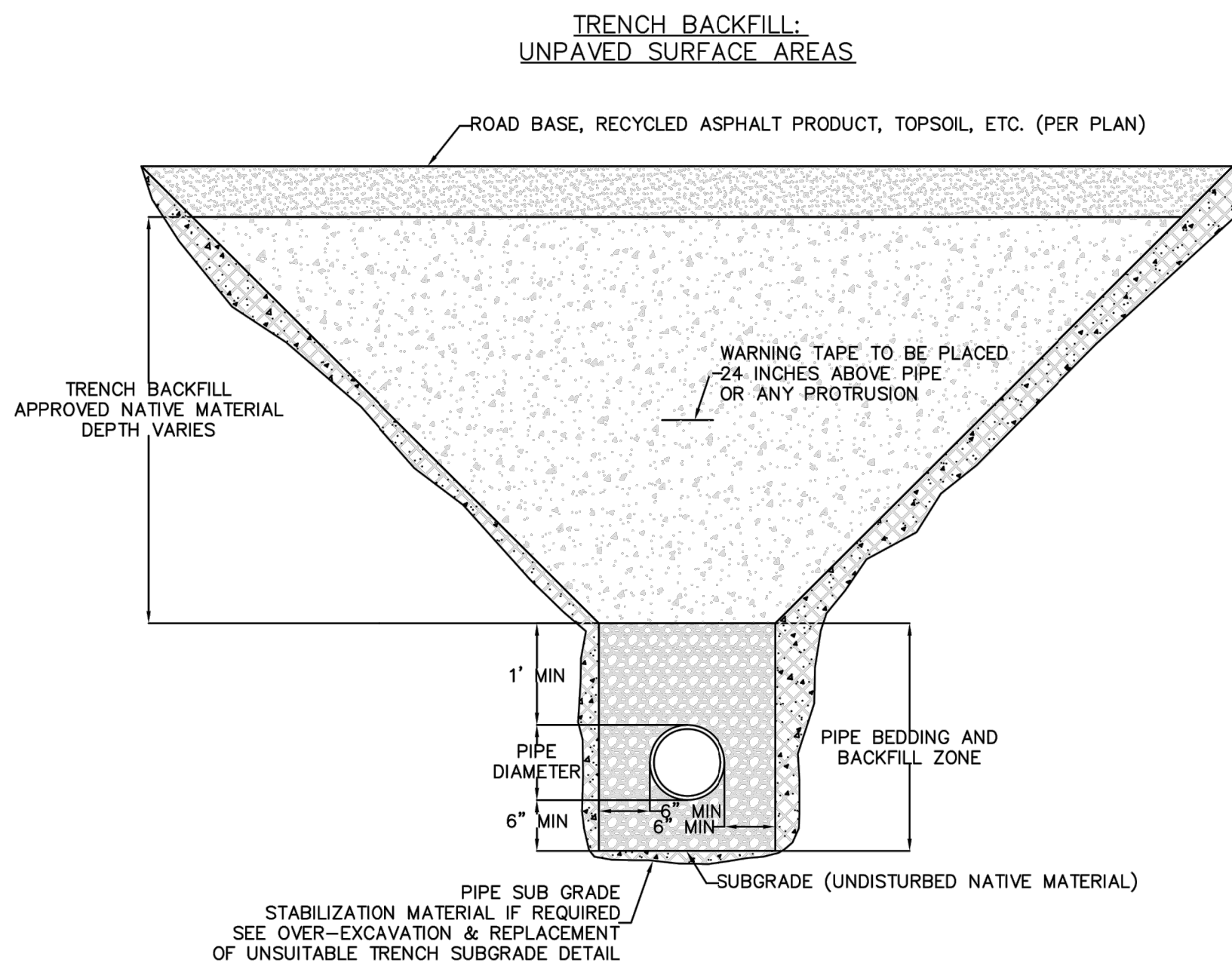
D:\DROPBOX\PROJECT FILES\22.010--THIRD STREET PARCEL, EAGLE\PLANS\C10 TYPICAL SEWER DETAILS



Title: DETAIL -- PAVED SURFACE TRENCH BACKFILL
Project: Public Works Manual
Drawn: JB
Checked:
Sheet: DETAIL-BACKFILL.DWG

Date: 1/8/2018

A1



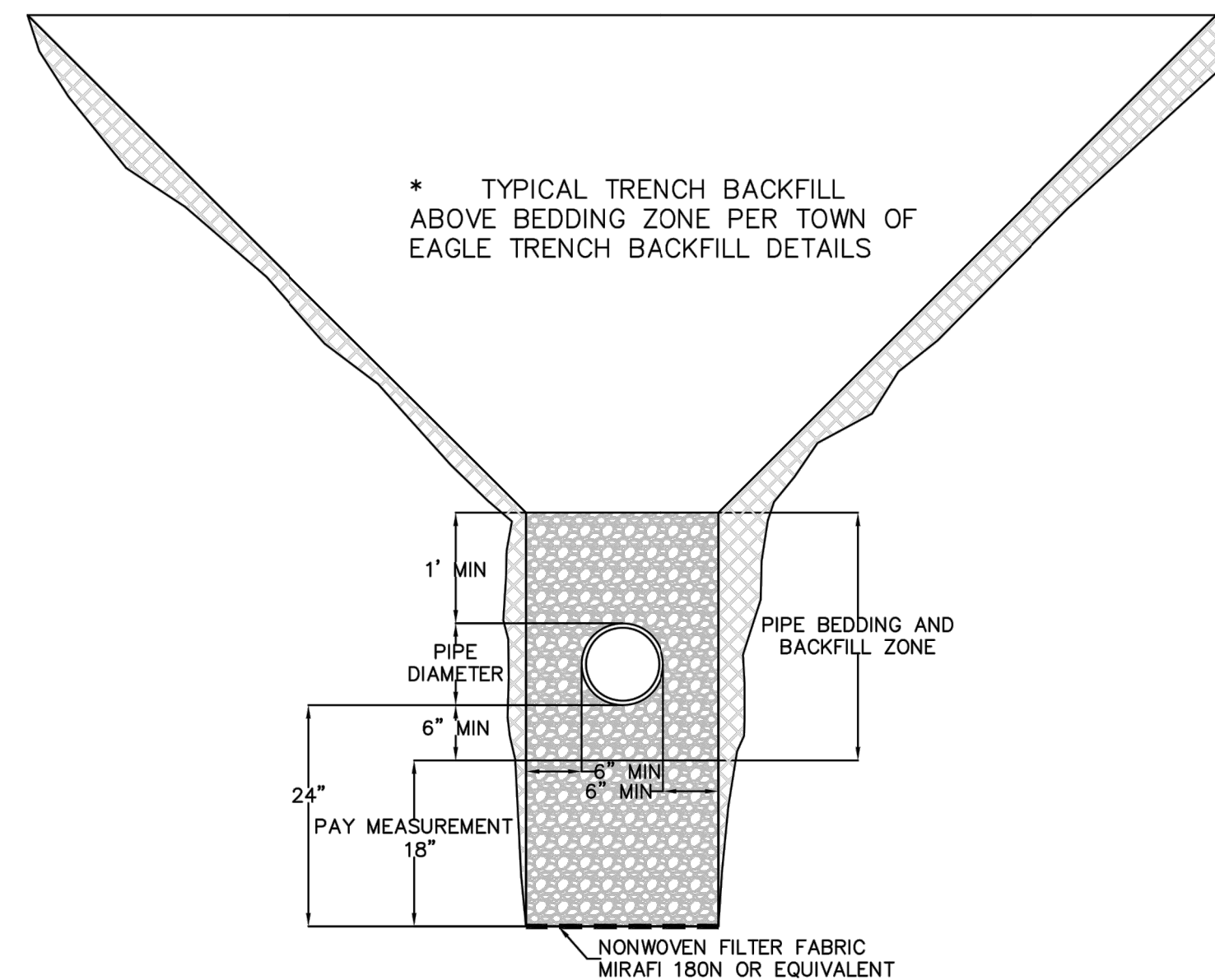
Title: DETAIL -- TRENCH BACKFILL
Project: Public Works Manual
Drawn: JB
Checked:
Sheet: DETAIL-BACKFILL.DWG

Date: 1/8/2018

A2



OVER-EXCAVATION & REPLACEMENT OF UNSUITABLE TRENCH SUBGRADE



* NOTE: MAXIMUM PAY WIDTH SHALL BE 4- FEET. MAXIMUM PAY DEPTH WILL BE 1.5- FEET.

Title: DETAIL -- TRENCH BACKFILL
Project: Public Works Manual
Drawn: JB
Checked:
Sheet: DETAIL-BACKFILL.DWG

Date: 1/8/2018

A3



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4.			
5.			

DESIGN BY: J. YARNELL
DRAWN BY: J. YARNELL
REVIEWED BY: J. YARNELL
PROJECT NO.: 22.010
DATE: 9/12/2022

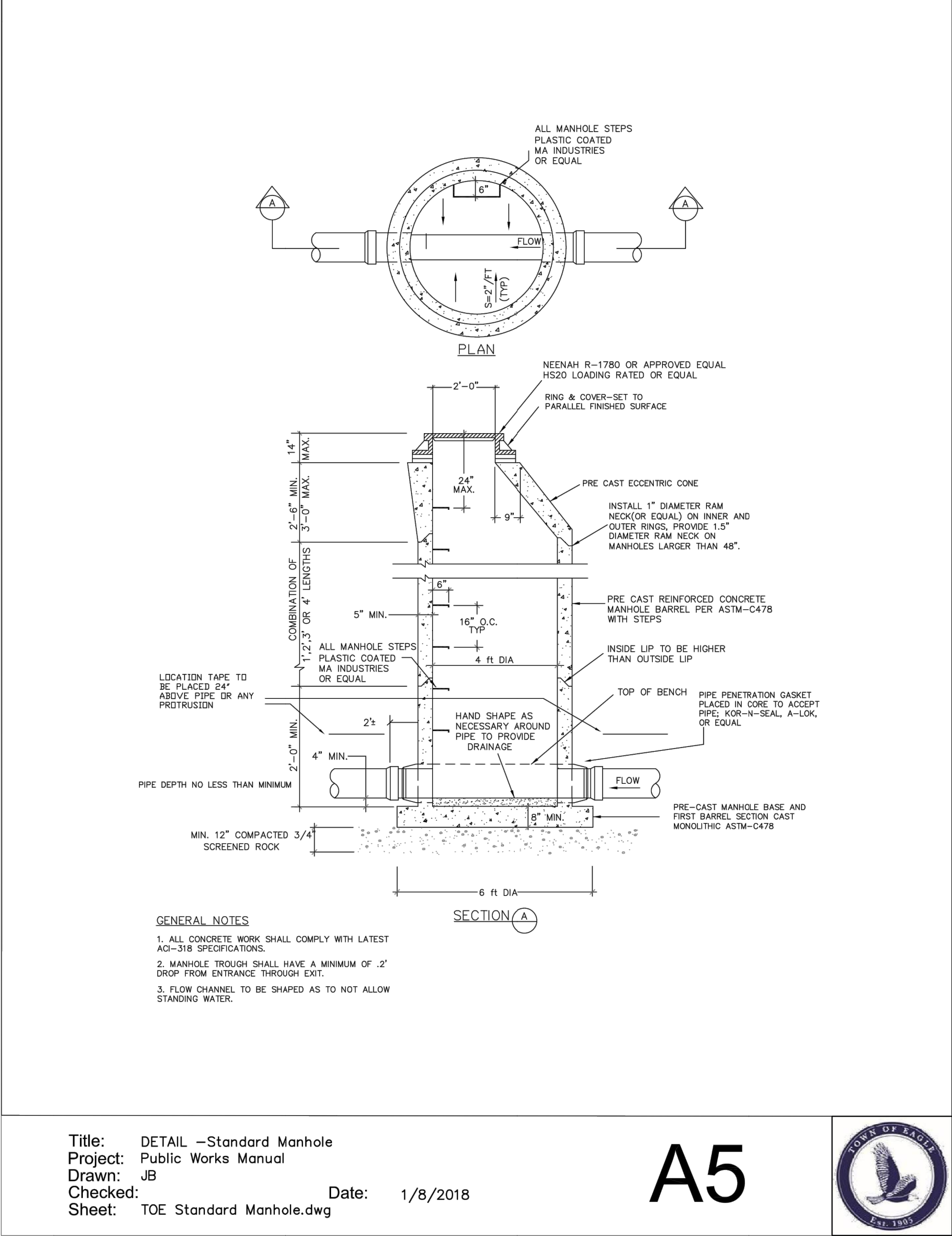
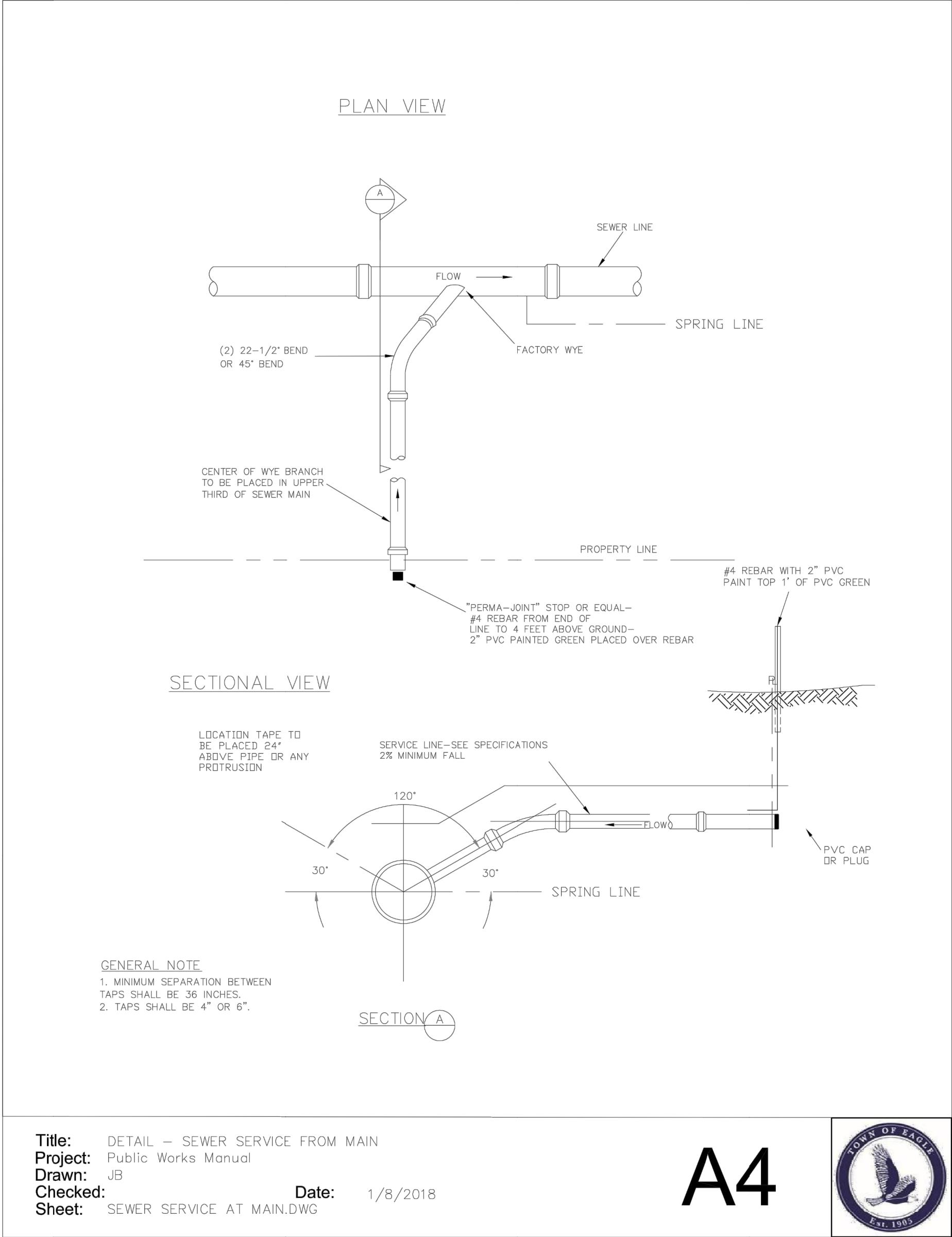
SHEET TITLE
TYPICAL SEWER
DETAILS

SHEET NO.
C10.1

HABITAT FOR HUMANITY
THIRD STREET MIDDLE PARCEL
EAGLE VALLEY MIDDLE SCHOOL
EAGLE, COLORADO

YARNELL CONSULTING &
CIVIL DESIGN, LLC
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DESIGN BY: J. YARNELL	DATE: 9/12/2022
DRAWN BY: J. YARNELL	
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PROJECT NO: 22.010	

SHEET TITLE
C10.2 TYPICAL
SEWER DETAILS

SHEET NO.

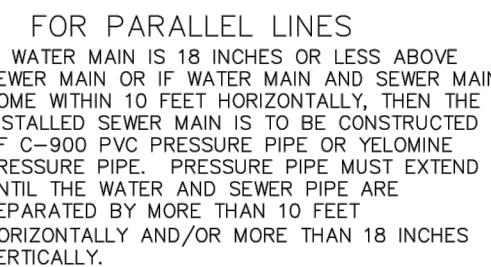
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EAGLE VALLEY MIDDLE SCHOOL
EAGLE, COLORADO

NO.	ISSUE /REVISION	DATE	NAME
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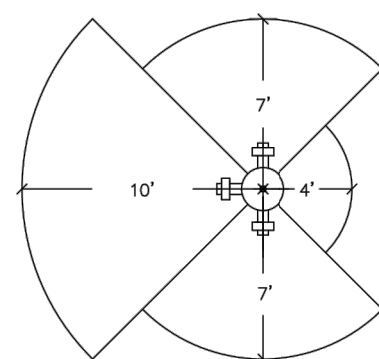
IF WATER MAIN OR SERVICE IS 18 INCHES OR LESS ABOVE SEWER OR IF WATER MAIN OR SERVICE IS ANY DISTANCE BELOW THE SEWER MAIN OR SERVICE, INSTALL C-900 PVC PRESSURE PIPE OR YELOMINE PIPE. PRESSURE PIPE MUST EXTEND UNTIL THE LINES ACHIEVE THE REQUIRED SEPARATION AS MEASURED FROM EXTERIOR WALL TO EXTERIOR WALL, OR THE JOINTS OF THE SEWER MAIN OR SERVICE ARE OFFSET BY 10' HORIZONTALLY FROM THE CENTER OF THE WATER MAIN OR SERVICE.



B1



THERE ARE NO ABOVE GROUND OBSTRUCTIONS ALLOWED IN THESE AREAS



FRONT---10 FEET OF CLEARANCE

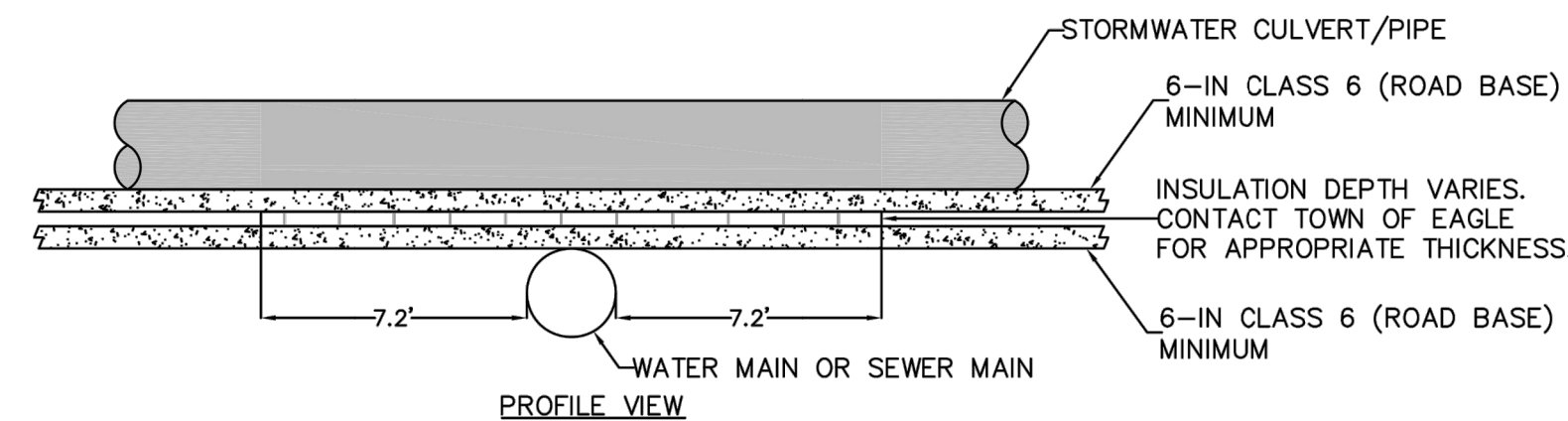
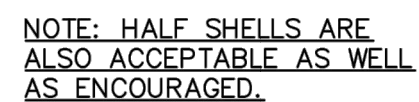
SIDES---7 FEET OF CLEARANCE

REAR---4 FEET OF CLEARANCE

ABOVE---20 FEET OF CLEARANCE

NOTE: MUELLER SUPER CENTERION A423 5 1/2" MAIN VALVE
OPENING.
FIRE HYDRANTS WILL NOT BE DEEPER THAN 7' 6".
EXTENSIONS WILL NOT BE ALLOWED. BENDS WILL BE UTILIZED
TO BRING THE HYDRANT TO GRADE. RESTRAINED JOINTS ARE
REQUIRED FROM GUARD VALVE TO HYDRANT.

B2



NOTE:

1. INSULATION CAN NOT BE BROKEN. NEEDS PROTECTED TOP AND BOTTOM. NO GAPS. FITTED TOGETHER AND DUCT TAPE.
2. INSULATION NEEDS TO BE 6-FT MINIMUM FROM EDGE OF PIPE

B4



D:\DROPBOX\PROJECT FILES\22.010--THIRD STREET PARCEL, EAGLE\PLANS\C11 TYPICAL WATER DETAILS

LESS THAN 6' DEPTH OF BURY TO TOP OF WATER PIPE OR LESS THAN 4.5' TO TOP OF SEWER PIPE.

RIGID STYROFOAM INSULATION BOARD THICKNESS TO BE DETERMINED BY INSPECTOR

MARKING TAPE TO BE PLACED 24" ABOVE INSULATED PORTION OF THE PIPE

TRENCH BACKFILL

DISTRICT APPROVED COMPACTED BEDDING MATERIAL

UNDISTURBED SOIL

BEDDING ZONE

12" MIN

1/4 O.D., 6" MIN

3" MIN

6" MIN

6" MIN

PIPE SUB-GRADE

ELEVATION

GENERAL NOTES

1. CONDITION OF LESS THAN MINIMUM BURY DEPTH ALLOWED ONLY WITH WRITTEN APPROVAL FROM THE TOWN PRIOR TO CONSTRUCTION. INSULATION SHALL BE INSTALLED ON ALL PIPE THAT DOES NOT MEET MINIMUM BURY REQUIREMENTS.

2. SEE SEWER AND WATER PIPE BEDDING DETAIL FOR BACKFILL MATERIAL AND COMPACTION SPECS.

3. INSULATION SHALL BE INSTALLED ON ALL PIPE THAT IS WITHIN THE MINIMUM BURY OF ANY DRAINAGE CULVERT. THIS APPLIES TO THE BOTTOM OF THE PIPE IF IT CROSSES OVER TOP OF THE CULVERT.

Title: DETAIL -- Water Line Insulation Alternate

Project: Public Works Manual

Drawn: JB

Checked: _____

Sheet: TOE Water Line Insulation Alternate.dwg

B5



STEP 1

STEP 2

STEP 3

EXERCISE CARE TO PREVENT PENETRATION OF POLYETHYLENE WRAP WITH GRAVEL, ROCKS, ETC.

FIELD INSTALLATION -- POLYETHYLENE WRAP

WHERE SPECIFICALLY REQUIRED FOR SOIL APPLICATIONS

STEP 1 -- PLACE TUBE OF POLYETHYLENE MATERIAL ON PIPE PRIOR TO LOWERING IT INTO PLACE.

STEP 2 -- PULL THE TUBE OVER THE LENGTH OF THE PIPE, TAPE TUBE TO PIPE AT JOINT. FOLD MATERIAL AROUND THE ADJACENT SPIGOT END AND WRAP WITH TAPE TO HOLD THE PLASTIC TUBE IN PLACE.

STEP 3 -- OVERLAP FIRST TUBE WITH ADJACENT TUBE AND SECURE WITH PLASTIC ADHESIVE TAPE. THE POLYETHYLENE TUBE MATERIAL COVERING THE PIPE SHALL BE LOOSE. EXCESS MATERIAL SHALL BE NEATLY DRAWN UP AROUND THE PIPE BARREL, FOLDED ON TOP OF PIPE AND TAPED IN PLACE.

Title: DETAIL -- Poly Wrap

Project: Public Works Manual

Drawn: JB

Checked: _____

Sheet: TOE Standards Drawing

B11



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.

WIRE SHALL EXIT PIPE 6" BELOW GRADE

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

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

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

B14



HABITAT FOR HUMANITY

THIRD STREET MIDDLE PARCEL

EAGLE VALLEY MIDDLE SCHOOL

EAGLE, COLORADO

YARNELL CONSULTING & CIVIL DESIGN, LLC

P.O. BOX 3901, EAGLE, COLORADO 81631

(970) 323-7008

DESIGN BY:	J. YARNELL	NO.	1.	ISSUE / REVISION	SCHEMATIC DESIGN (NO CONST.)	NAME	JY <th>DATE</th> <td>4/13/22</td>	DATE	4/13/22
DRAWN BY:	J. YARNELL	2.	DESIGN DEVELOPMENT (NO CONST.)	JY	6/1/22				
REVIEWED BY:	J. YARNELL	3.	DEVELOPMENT PERMIT (NO CONST.)	JY	9/13/22				
PROJECT NO.	22.010	4.		JY					
DATE:	9/12/2022	5.		JY					

SHEET TITLE

TYPICAL WATER DETAILS

SHEET NO.

C11.2

D:\DROPBOX\PROJECT FILES\22.010--THIRD STREET PARCEL, EAGLE\PLANS\C11 TYPICAL WATER DETAILS

Title:DETAIL – Cut in Tee
Project:Public Works Manual
Drawn:JB
Checked:TOE Cut In Tee.dwg

Date:1/8/2018

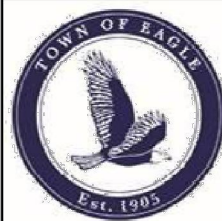
B17



Title:DETAIL – Tapping Sleeve
Project:Public Works Manual
Drawn:JB
Checked:TOE Tapping Sleeve.dwg

Date:1/12/2018

B18



Title:DETAIL – Tee Detail 4" or 6" Service
Project:Public Works Manual
Drawn:JB
Checked:TOE 4" 6" Tee Detail.dwg

Date:1/12/2018

B19



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3.	DEVELOPMENT PERMIT (NO CONST.)	J. YARNELL	9/13/22
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5.			

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DRAWN BY: J. YARNELL
REVIEWED BY: J. YARNELL

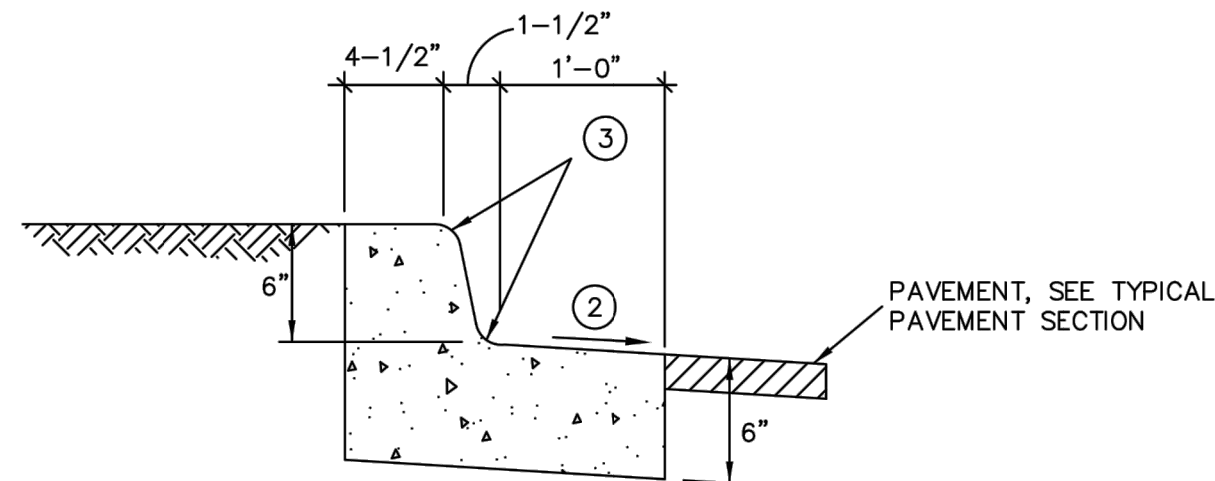
PROJECT NO.: 22.010
DATE: 9/12/2022

SHEET TITLE
TYPICAL WATER DETAILS

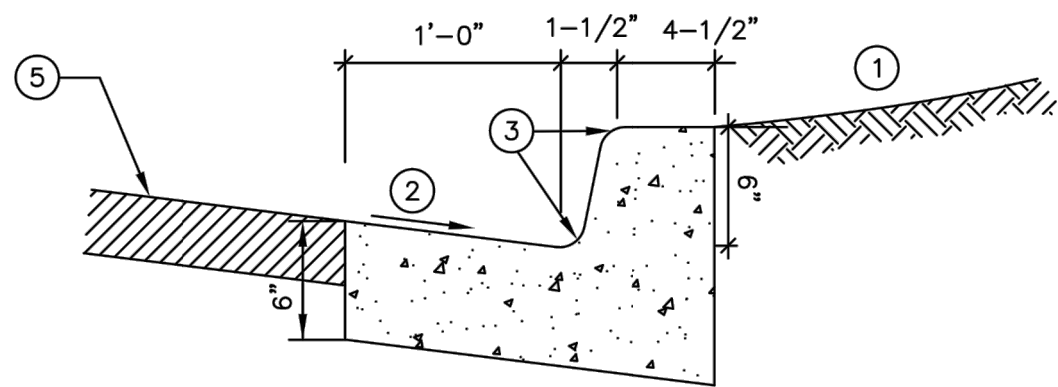
SHEET NO.
C11.3

HABITAT FOR HUMANITY
THIRD STREET PARCEL
EAGLE VALLEY MIDDLE SCHOOL
EAGLE, COLORADO

D:\DROPBOX\PROJECT FILES\22.010--THIRD STREET PARCEL, EAGLE\PLANS\C12 TYPICAL ROAD DETAILS



SPILL CURB



CATCH CURB

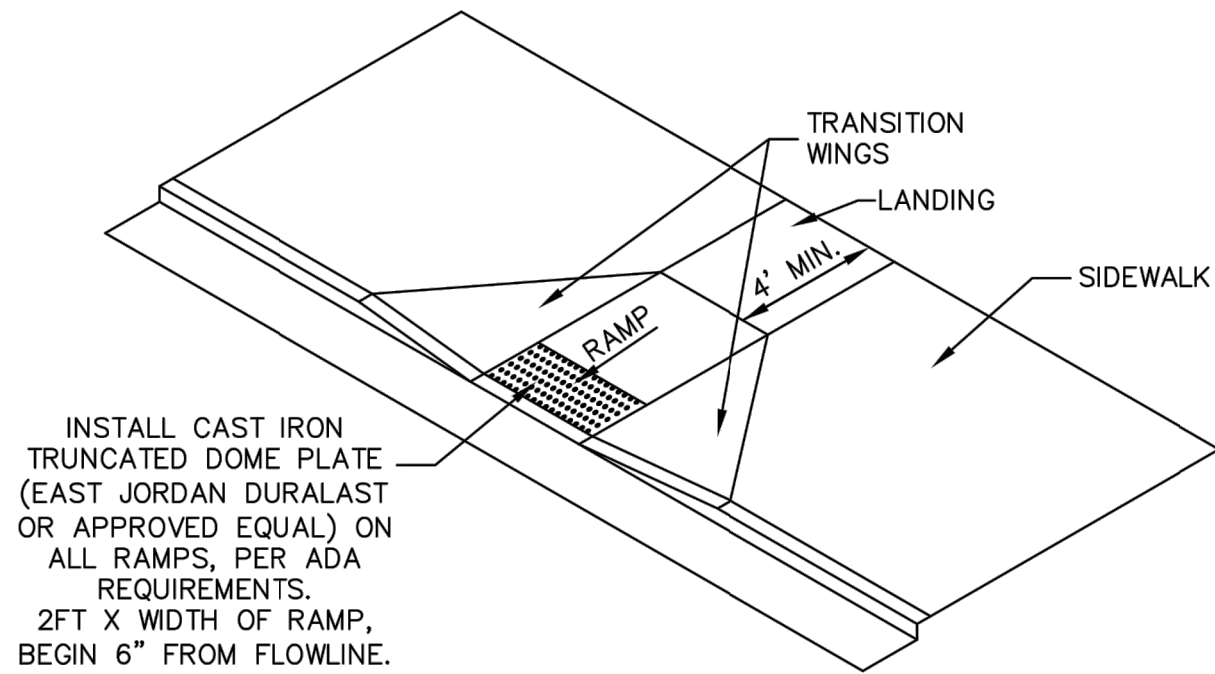
NOTES:

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

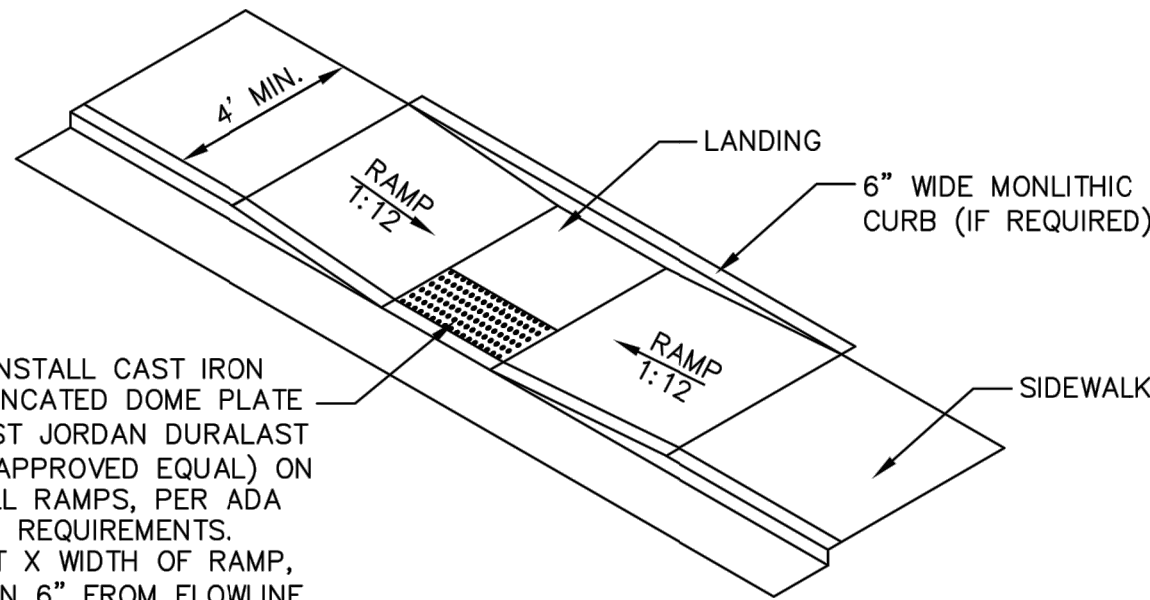
6" VERTICAL CURB AND GUTTER

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

C1



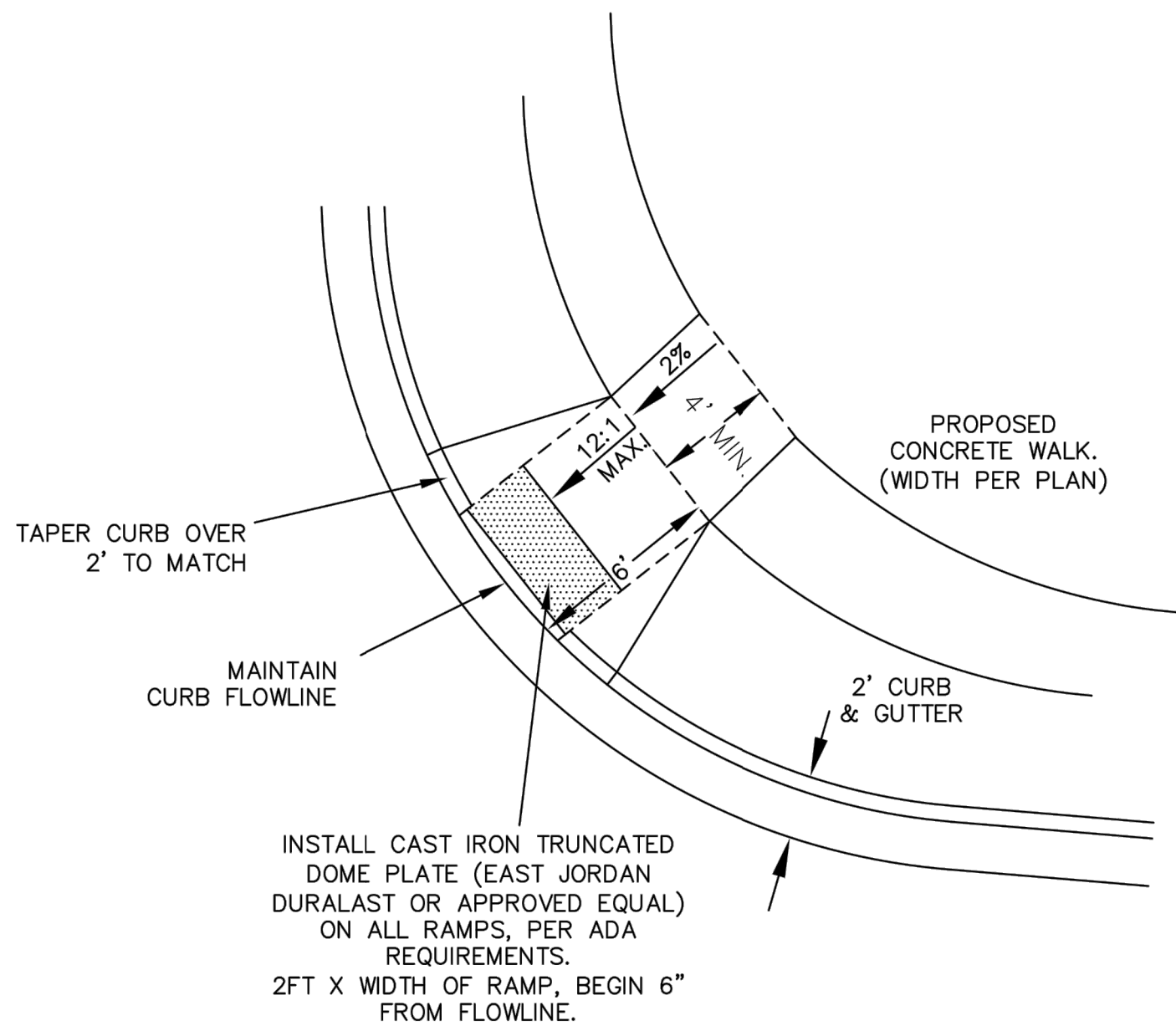
PERPENDICULAR PEDESTRIAN RAMP
WITHIN SIDEWALK



PARALLEL SIDEWALK RAMP

Title: DETAIL - ADA Ramps
Project: Public Works Manual
Drawn: JB
Checked: Date: 1/16/2018
Sheet: ADA Ramps.dwg

C4



Title: DETAIL - ADA Corner Ramp
Project: Public Works Manual
Drawn: JB
Checked: Date: 1/16/2018
Sheet: C4 ADA Corner Ramp.dwg

C5



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3.	DEVELOPMENT PERMIT (NO CONST.)	9/13/22	JY
4.			JY
5.			JY

DESIGN BY: J. YARNELL	DATE: 9/12/2022
DRAWN BY: J. YARNELL	
REVIEWED BY: J. YARNELL	
PROJECT NO: 22.010	

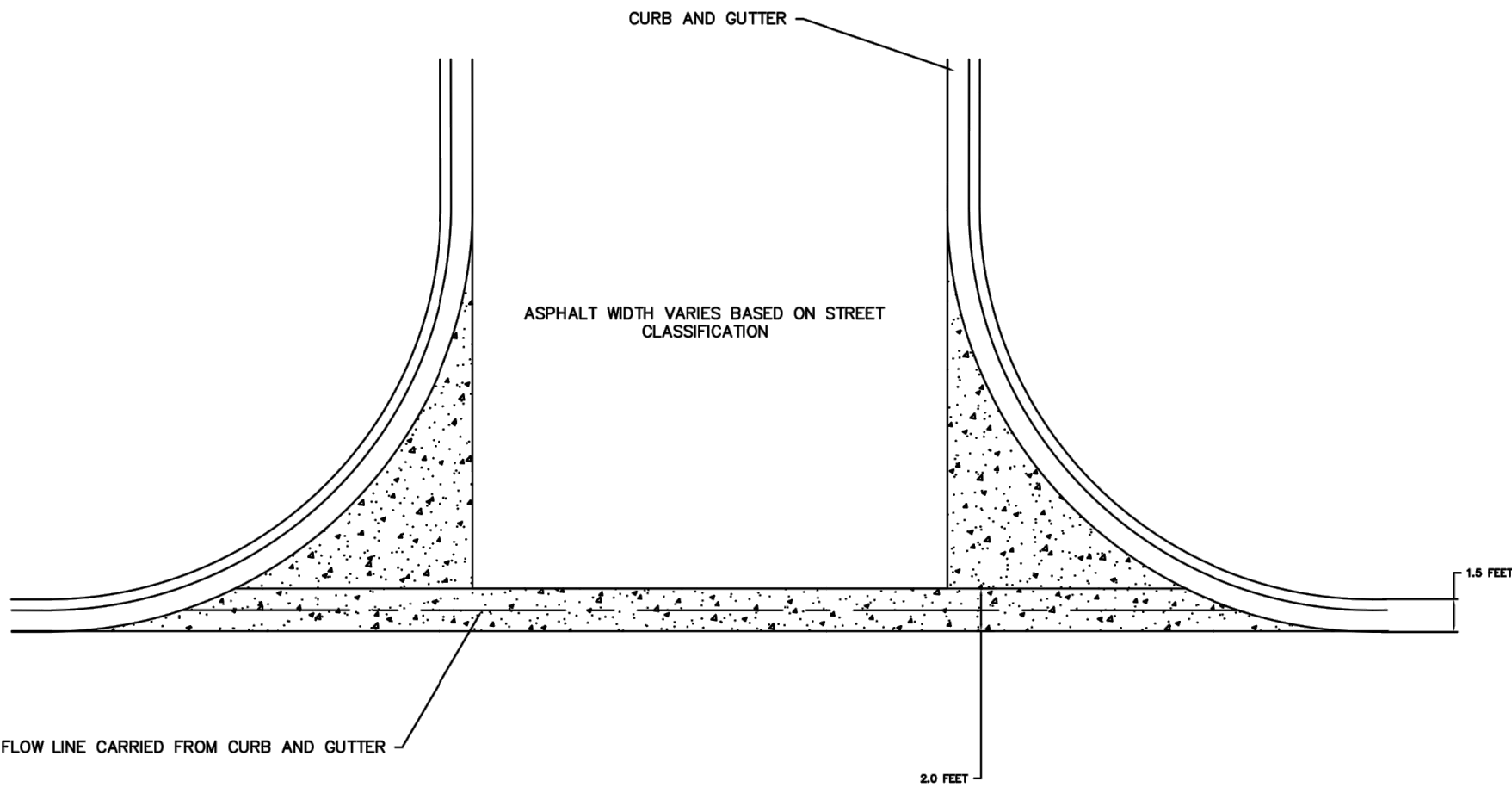
SHEET TITLE
TYPICAL ROAD
DETAILS

SHEET NO.
C12.1

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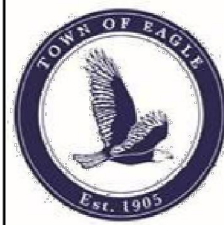
HABITAT FOR HUMANITY
THIRD STREET MIDDLE PARCEL
EAGLE VALLEY MIDDLE SCHOOL
EAGLE, COLORADO

D:\DROPBOX\PROJECT FILES\22.010--THIRD STREET PARCEL, EAGLE\PLANS\C12 TYPICAL ROAD DETAILS



Title: DETAIL -- Street Intersection Curb Fillets
Project: Public Works Manual
Drawn: JB
Checked: Date: 1/16/2018
Sheet: C7 Street Intersection Curb Fillets.dwg

C7

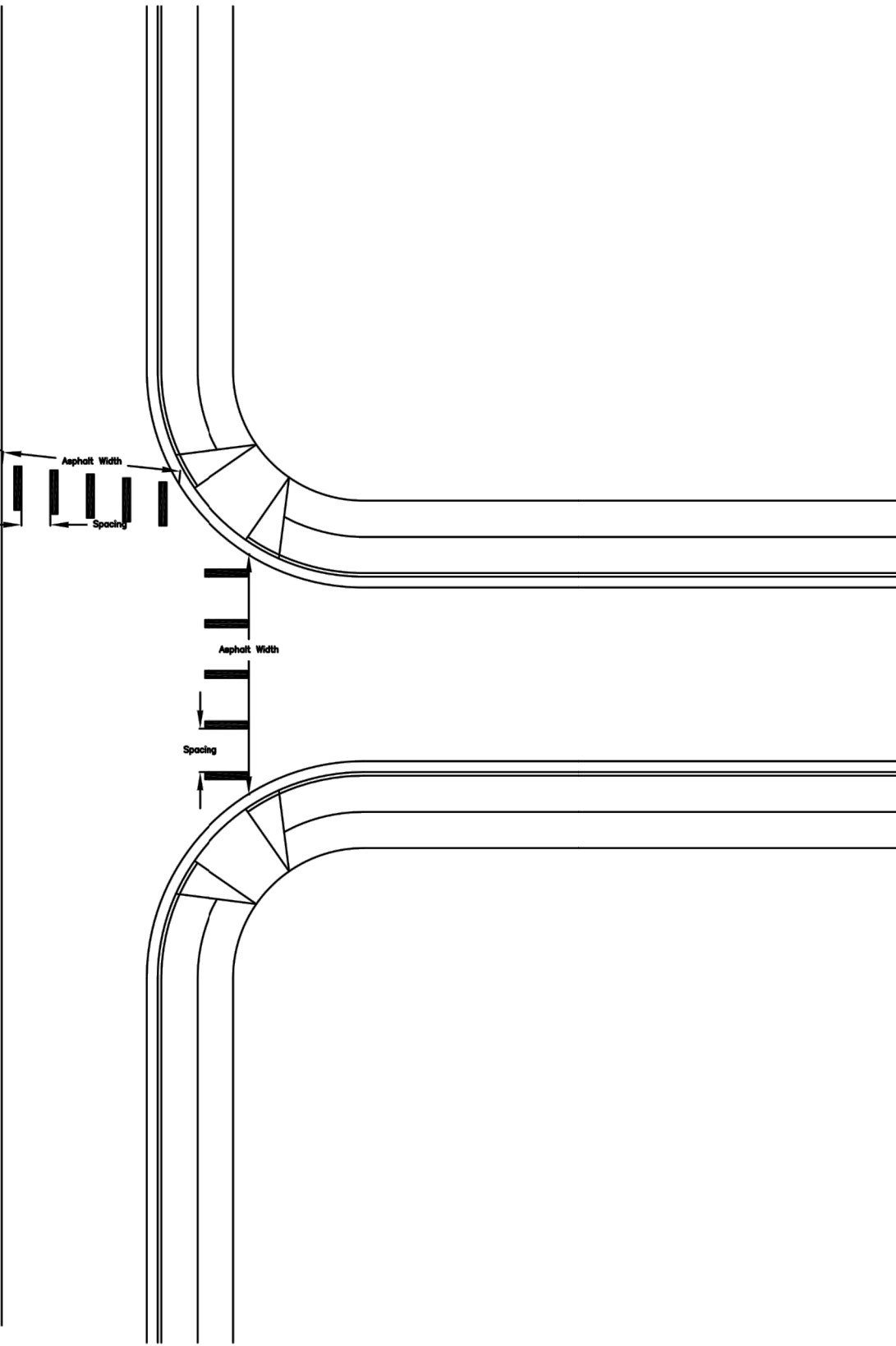


Notes:

1. Measure Asphalt Width
2. The Center Crosswalk Marking is Centered on the Measurement Line - not the Center Line of Road.
3. Spacing is as follows:

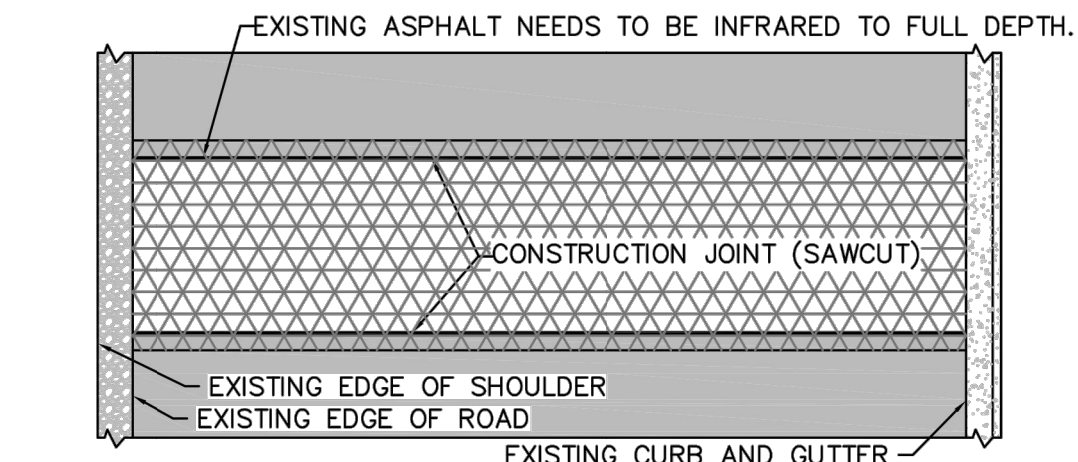
Asphalt Width	Spacing
59 to 67 Feet	6 Feet
53 to 59 Feet	5 Feet
45 to 53 Feet	6 Feet
39 to 45 Feet	5 Feet
31 to 39 Feet	6 Feet
27 to 31 Feet	5 Feet
23 to 27 Feet	4 Feet

4. For Asphalt Width less than 23 Feet: Pattern is the same. Center Crosswalk Marking is Centered on the Measurement Line. Place Outer Crosswalk Markings One Foot from Edge of Asphalt and Center the Remaining Two Crosswalk Markings Between the Outer and Center Crosswalk Markings.
5. Crosswalk Markings Shall be Parallel to the Direction of Vehicle Traffic.
6. Crosswalk Marking Shall Line Up with the Sidewalk Ramps.

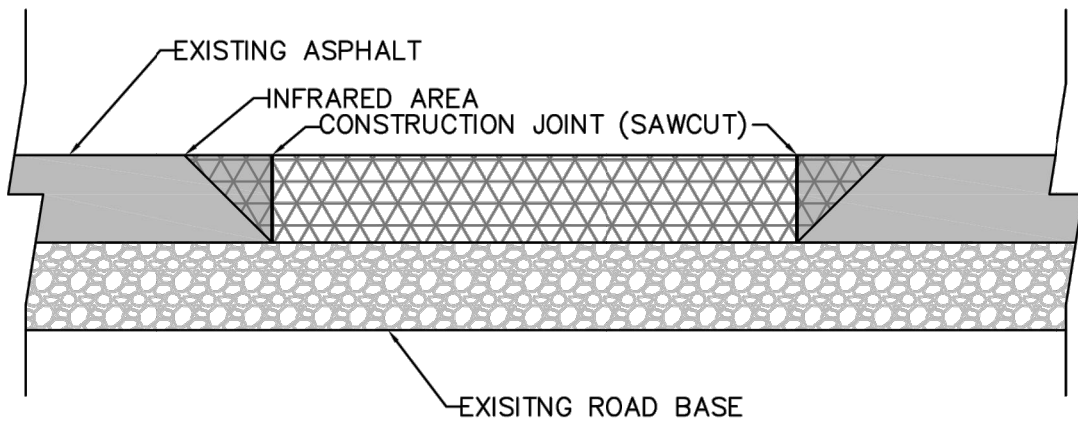


Title: DETAIL -- Crosswalk Detail
Project: Public Works Manual
Drawn: JB
Checked: Date: 1/4/18
Sheet: TOE Crosswalk Detail.dwg

C12



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: Date: 1/4/18
Sheet: TOE Infrared Detail.dwg

C13



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4.			JUY
5.			JUY

DESIGN BY: J. YARNELL	DATE: 9/12/2022
DRAWN BY: J. YARNELL	
REVIEWED BY: J. YARNELL	
PROJECT NO: 22.010	

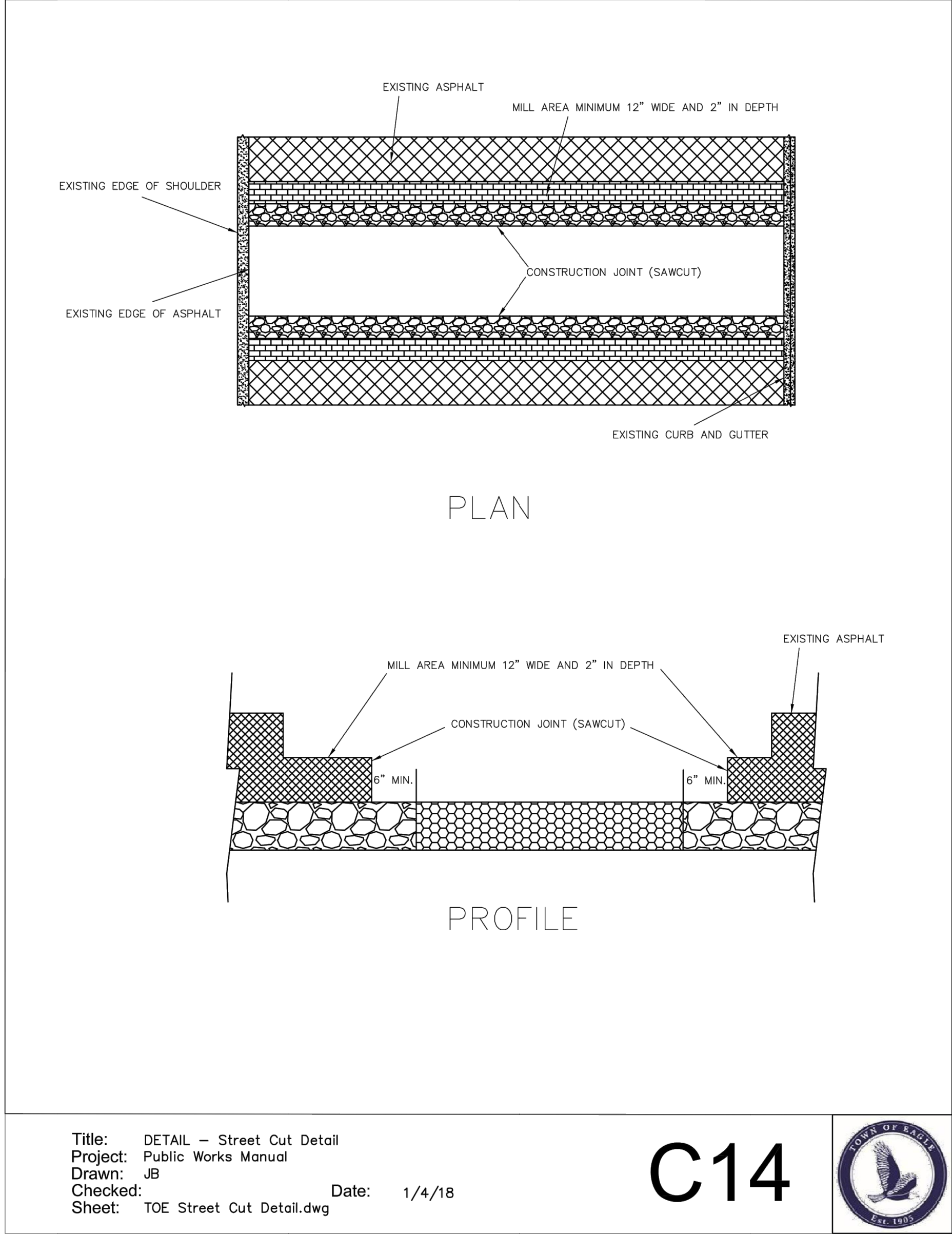
SHEET TITLE
TYPICAL ROAD
DETAILS

SHEET NO.
C12.2

HABITAT FOR HUMANITY
THIRD STREET PARCEL
EAGLE VALLEY MIDDLE SCHOOL
EAGLE, COLORADO

YARNELL CONSULTING &
CIVIL DESIGN, LLC
P.O. BOX 3901, EAGLE, COLORADO 81631
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PROJECT NO.:	22.010	3.	DEVELOPMENT PERMIT (NO CONST.)	9/13/22	JUY
DATE:	9/12/2022	4.			JUY
		5.			JUY

SHEET TITLE

C12.3 TYPICAL ROAD DETAILS

SHEET NO.

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HABITAT FOR HUMANITY

THIRD STREET PARCEL

EAGLE VALLEY MIDDLE SCHOOL

EAGLE, COLORADO

D:\DROPBOX\PROJECT FILES\22.010--THIRD STREET PARCEL, EAGLE\PLANS\C13 TYPICAL STORM SEWER DETAILS

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

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

OUTSIDE
HEIGHT
OF BOX

18"X31" THIN WALL KNOCKOUTS.
SLEDGE OUT AS REQUIRED.
BOTH END WALLS.

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

OPTIONAL
EXTENSION
HEIGHT

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

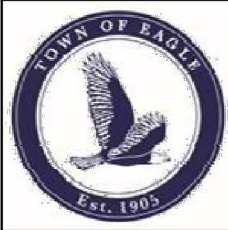
PIPE O.D.

6 IN. MIN.

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

Date: 1/18/2018

D3



STEEL OR WOOD POST

FILTER FABRIC

BACK FILLED TRENCH

SECTION VIEW

STEEL OR WOOD POST

FILTER FABRIC ATTACH SECURELY TO POST

COMPACTED BACK FILL

RUNOFF

APPROXIMATELY
4 IN. X 4 IN. TRENCH

10 IN.
MIN.

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: JB
Sheet: Drainage.dwg

Date: 1/18/2018

D4



HABITAT FOR HUMANITY

THIRD STREET MIDDLE PARCEL

EAGLE VALLEY MIDDLE SCHOOL

EAGLE, COLORADO

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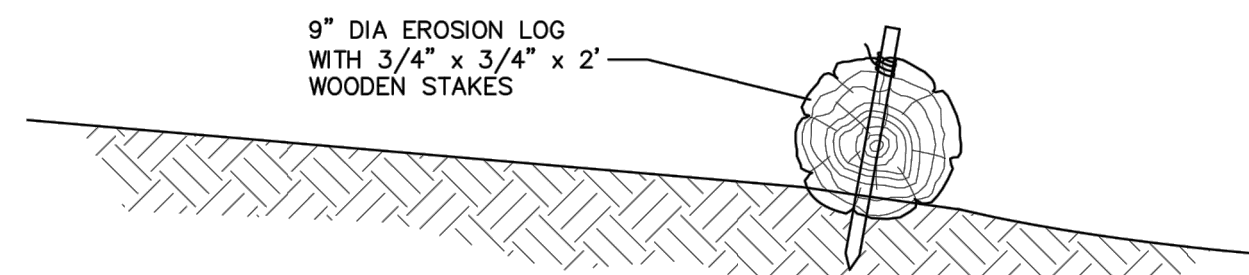
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4.			JY
5.			JY

SHEET TITLE

TYPICAL STORM SEWER DETAILS

SHEET NO.

C13.1



THE HEIGHT OF A STRAW WATTLE IS 9 IN. THE
INSTALLED HEIGHT IS APPROXIMATELY 7-9 IN.

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 slow 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 used 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 foot on center. When installing running lengths, Straw Wattles should be buttomed 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, curbs, or around storm drains, they can be removed and reused.
7. Wattles installed on slopes that are steeper than 2:1 shall 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



HABITAT FOR HUMANITY
THIRD STREET PARCEL
EAGLE VALLEY MIDDLE SCHOOL
EAGLE, COLORADO

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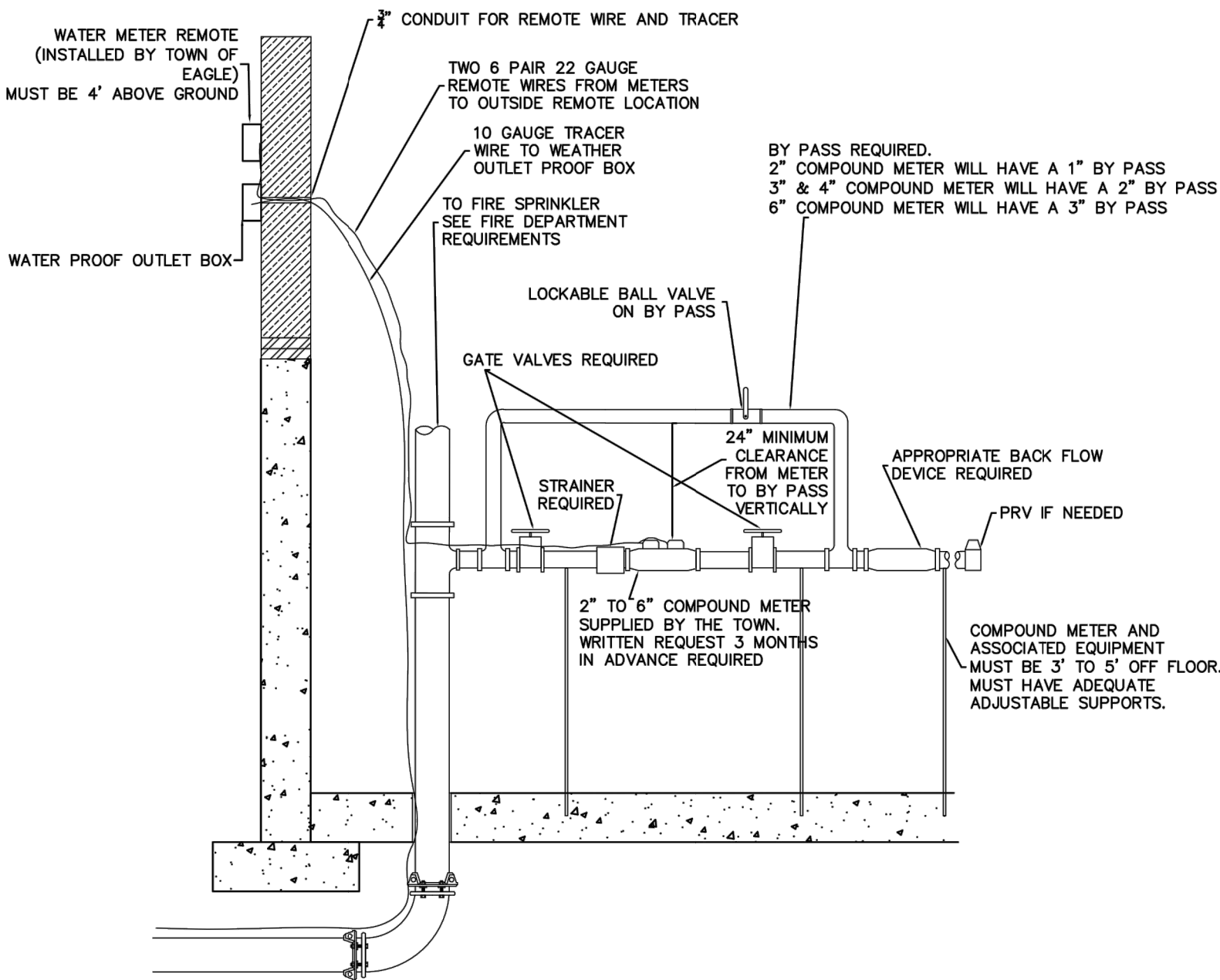
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5.			

SHEET TITLE
TYPICAL STORM
SEWER DETAILS

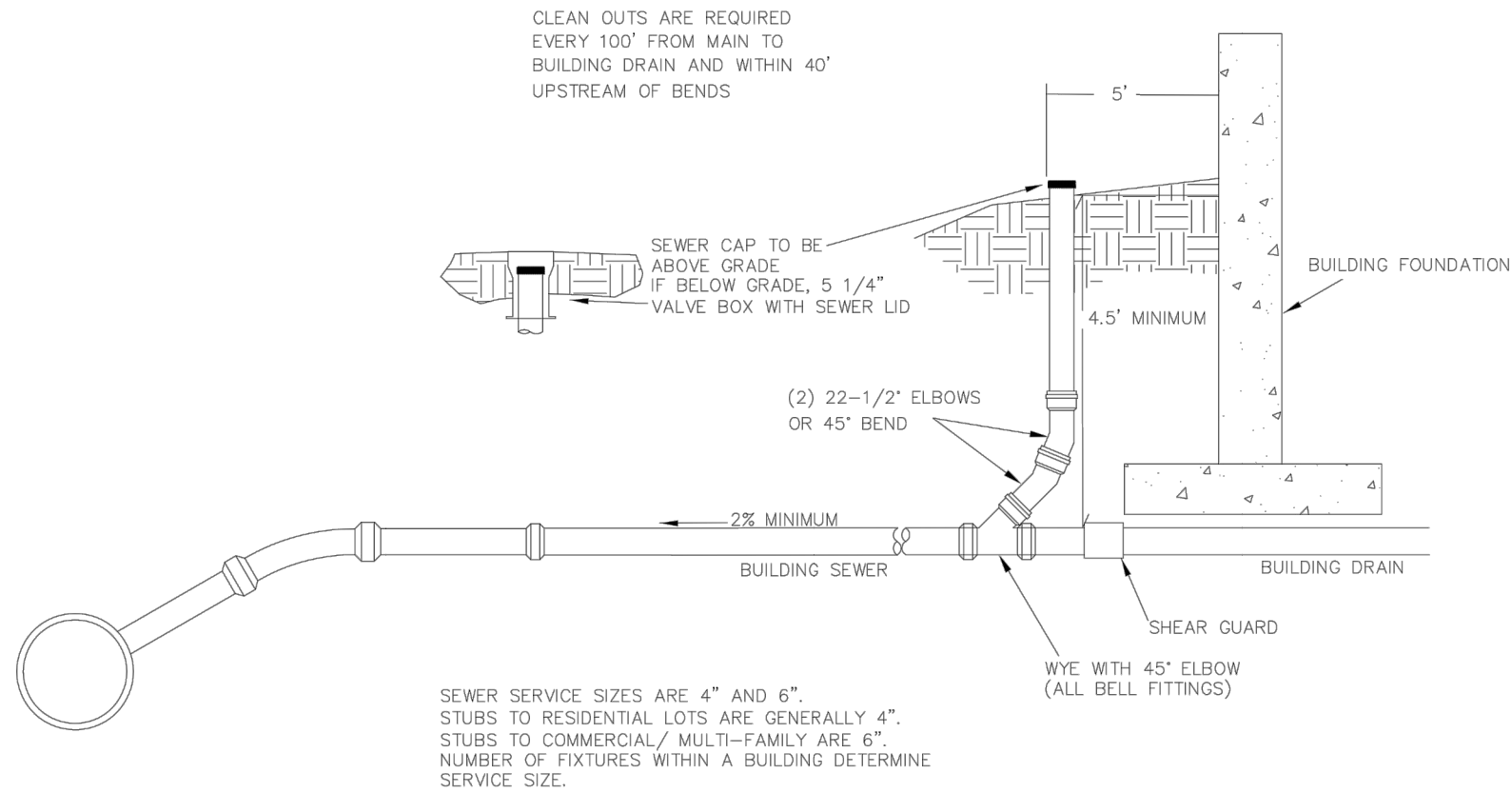
SHEET NO.
C13.2

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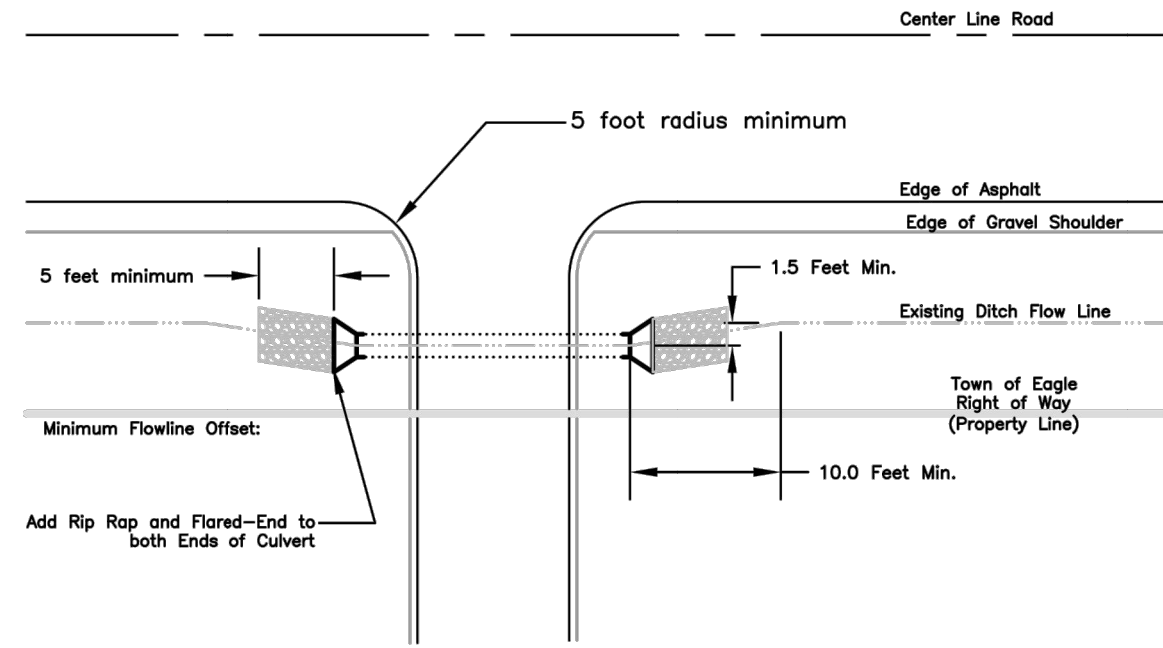
Title: DETAIL -- Compound Meter Installation
Project: Public Works Manual
Drawn: JB
Checked: Date: 1/4/18
Sheet: TOE Compound Meter Building.dwg

E2

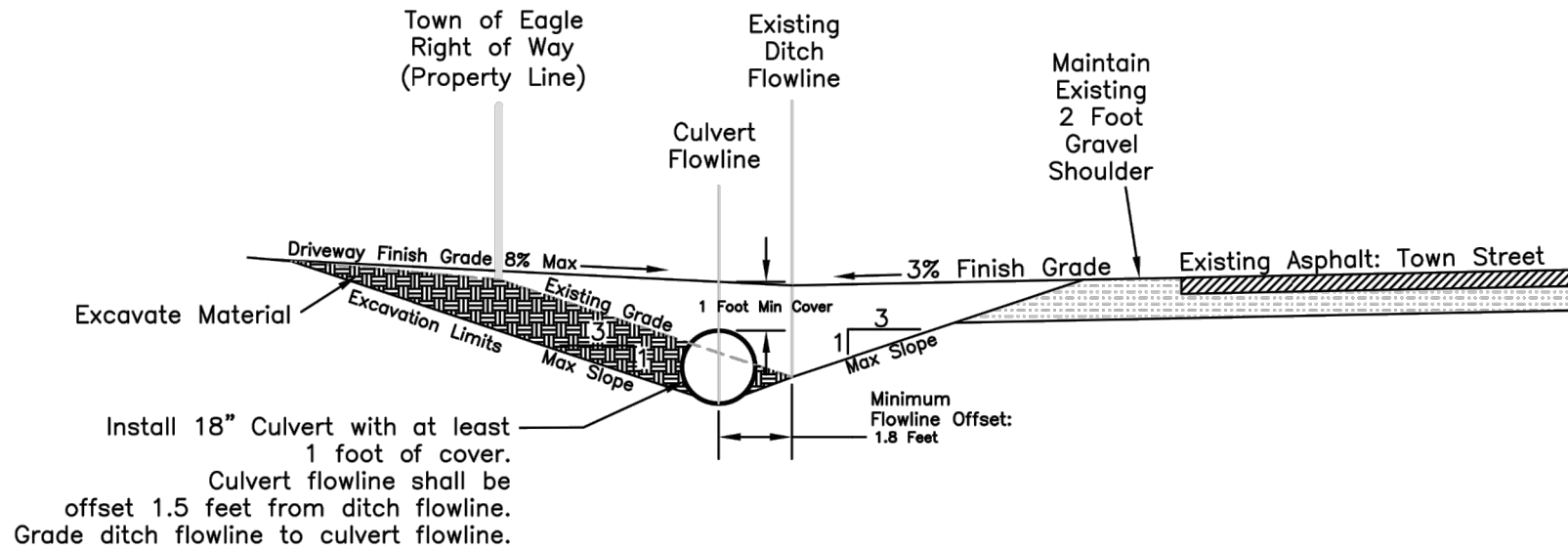
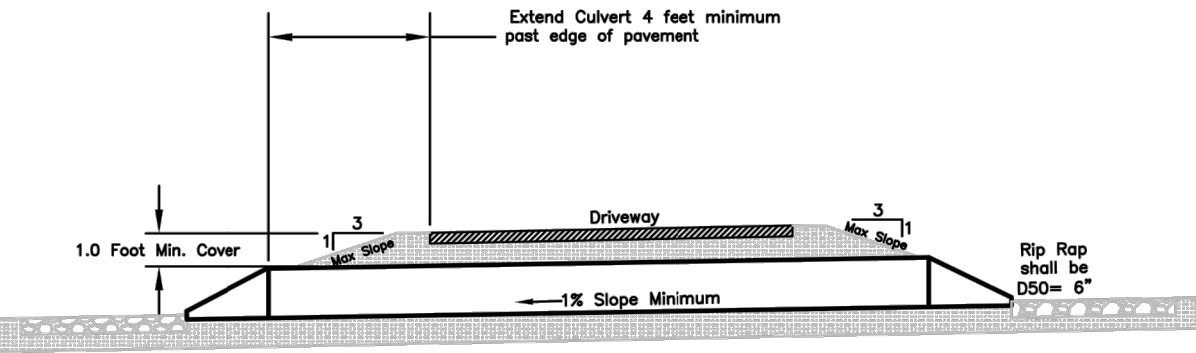


Title: DETAIL -- Building Sewer Service
Project: Public Works Manual
Drawn: JB
Checked: Date: 1/4/18
Sheet: TOE Building Sewer Service.dwg

E7



Culvert shall be 18" diameter minimum. RCP or HDPE with smooth surface inside. CMP shall not be used.



1. Not to Scale
2. Culvert may be Reinforced Concrete Pipe (RCP), High Density Plastic Pipe (HDPE) or Approved Equivalent.
3. Culvert must have flared end section and rip rap at culvert outlet and inlet.
4. Improve ditch as necessary to make sure positive drainage exists.
5. Maintain 3:1 side slopes max along ditch through property and right of way.

Title: DETAIL -- Driveway Culvert
Project: Public Works Manual
Drawn: JB
Checked: Date: 1/19/2018
Sheet: TOE Driveway Culvert.dwg

E10



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4.			
5.			

DESIGN BY: J. YARNELL
DRAWN BY: J. YARNELL
REVIEWED BY: J. YARNELL
PROJECT NO.: 22.010
DATE: 9/12/2022

SHEET TITLE
TYPICAL BUILDING DETAILS

SHEET NO.
C14.1

HABITAT FOR HUMANITY
THIRD STREET PARCEL
EAGLE VALLEY MIDDLE SCHOOL
EAGLE, COLORADO

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

SHEET NO.		C14.2	
SHEET TITLE			
TYPICAL BUILDING DETAILS			
DESIGN BY:		J. YARNELL	
DRAWN BY:		J. YARNELL	
REVIEWED BY:			
PROJECT NO.:		22.010	
DATE:		9/12/2022	
NO.		ISSUE / REVISION	
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3.		DEVELOPMENT PERMIT (NO CONST.)	
4.			
5.			
		DATE	
		4/13/22	
		JULY	
		6/1/22	
		JULY	
		9/13/22	
		JULY	
		JULY	
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HABITAT FOR HUMANITY THIRD STREET PARCEL EAGLE VALLEY MIDDLE SCHOOL EAGLE, COLORADO			

D:\DROPOX\PROJECT FILES\22.010-THIRD STREET PARCEL, EAGLE\PLANS\01 DRAINAGE PLAN (PROPOSED)

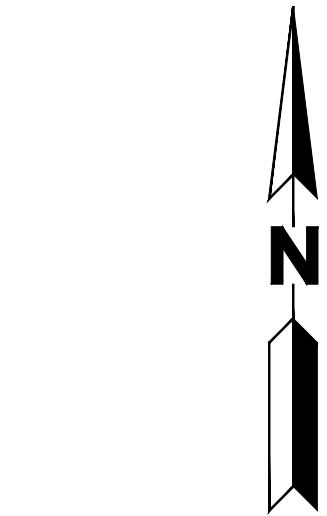


NOTES:

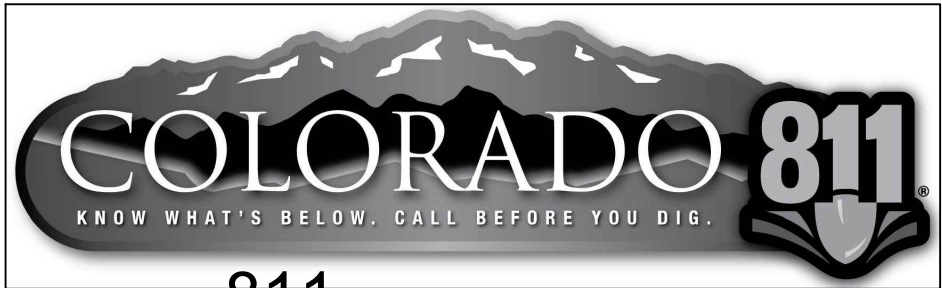
1. A DRAINAGE REPORT WILL BE PROVIDED WITH THE FUTURE GRADING PERMIT SUBMISSION PACKAGE.

LEGEND

- BASIN BOUNDARY
- SUB-BASIN BOUNDARY
- DIRECTION OF FLOW
- DESIGN POINT
- BASIN
- AREA IN ACRES



20 10 0 20 40
SCALE: 1"=20'



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 CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE SIZE, MATERIAL, HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION.

HABITAT FOR HUMANITY
THIRD STREET MIDDLE SCHOOL
EAGLE, COLORADO

YARNELL CONSULTING &
CIVIL DESIGN, LLC
P.O. BOX 3901, EAGLE, COLORADO 81631
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3.	DEVELOPMENT PERMIT (NO CONST.)	J. YARNELL	9/13/22
4.			
5.			

DESIGN BY: J. YARNELL
DRAWN BY: J. YARNELL
REVIEWED BY: J. YARNELL
PROJECT NO.: 22.010
DATE: 9/12/2022

SHEET TITLE
DRAINAGE PLAN
(PROPOSED)

SHEET NO.
D1