

Project Specifications

General Notes

- ALL WORK SHALL BE IN CONFORMANCE WITH THE EXISTING LABOR LAWS, SAFETY REQUIREMENTS AND OTHER REGULATIONS, AS REQUIRED BY THE CITY, THE STATE OF WASHINGTON, THE FEDERAL GOVERNMENT AND THE OWNER. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- ALL WORK AND MATERIAL SHALL MEET THE REQUIREMENTS OF THE APPLICABLE DETAILS SHOWN ON THE DRAWINGS, AND CONFORM TO THE CURRENT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, AS ISSUED BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT). HEREAFTER SECTION NUMBERS REFER TO WSDOT SPECIFICATIONS UNLESS NOTED OTHERWISE.
- ALSO INCORPORATED INTO THESE CONTRACT DOCUMENTS BY REFERENCE ARE:
 - MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (MUTCD), CURRENT EDITION, WITH WSDOT MODIFICATIONS, IF ANY;
 - CITY DEVELOPMENT GUIDELINES AND PUBLIC WORKS STANDARDS, CURRENT ADDITION, WHICH IS REQUIRED TO BE ON-SITE WITH APPROVED PLANS;
- CONTRACTOR SHALL OBTAIN COPIES OF THESE PUBLICATIONS AT OWN EXPENSE AND HAVE ACCESSIBLE ON-SITE AT ALL TIMES DURING CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, TRANSPORTATION, SUPPLIES, AND INCIDENTALS REQUIRED TO COMPLETE ALL WORK SHOWN ON THESE DRAWINGS AND TO OBTAIN ACCEPTANCE BY THE CITY AND THE PROJECT OWNER.
- THE CONTRACTOR SHALL CONFORM TO LABOR AND INDUSTRIES REQUIREMENTS WITH REGARD TO SAFETY, CONFINED SPACE ENTRY, AND ALL OTHER APPLICABLE SECTIONS TO THIS PROJECT.
- THE INTENT OF THESE DRAWINGS IS TO DESCRIBE A COMPLETE WORK. OMISSIONS FROM THE DRAWINGS OF DETAILS OF WORK WHICH ARE NECESSARY TO CARRY OUT THE INTENT OF THE DRAWINGS SHALL NOT RELIEVE THE CONTRACTOR FROM PERFORMING THE OMITTED WORK.
- THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH ADJACENT PROPERTY OWNERS. DRIVEWAYS AND UTILITY SERVICES SHALL REMAIN ACCESSIBLE AT ALL TIMES.
- CONTRACTOR SHALL NOTIFY AND COORDINATE WITH OTHER UTILITIES AS NEEDED FOR DURATION OF THE PROJECT.
- A PROPOSED ALTERATION BY THE CONTRACTOR AFFECTING THE REQUIREMENTS AND INFORMATION IN THESE DRAWINGS SHALL BE IN WRITING AND WILL REQUIRE APPROVAL OF ENGINEER AND OWNER.
- ALL CONNECTIONS TO WATER, SEWER, AND STORM DRAIN SYSTEMS, I.E., TIE-INS OR RELOCATIONS, WILL REQUIRE SHOP DRAWINGS PRIOR TO CONSTRUCTION.
- ALL MATERIAL SUBMITTALS TO BE APPROVED PRIOR TO CONSTRUCTION INCLUDING SHOPS DRAWINGS, TRAFFIC CONTROL PLANS, SHUT DOWN NOTICES, AND FLUSHING NOTICES.
- THE CONTRACTOR SHALL SUBMIT CATALOG DATA, CUT SHEETS, SHOP DRAWINGS AND OTHER INFORMATION TO THE ENGINEER AND THE OWNER FOR REVIEW OF MATERIALS AND CONSTRUCTION PROCEDURES FOR ALL MAJOR MATERIALS, APPURTENANCES, AND EQUIPMENT. MAJOR MATERIALS INCLUDE PIPE, DRAINAGE STRUCTURES, BACKFILL MATERIAL, CRUSHED SURFACING MATERIAL, CONCRETE AND ASPHALT.
- ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL "PRE-CONSTRUCTION" STATE OR BETTER.
- CONTRACTOR TO PROVIDE SHORING MEETING THE REQUIREMENTS OF SECTION 7-08.3(1)B OF THE STANDARD SPECIFICATIONS.
- A PRE-CONSTRUCTION MEETING IS REQUIRED AT LEAST TWO WEEKS PRIOR TO CONSTRUCTION.

Survey And Datum

- TOPOGRAPHIC AND PROPERTY LINE INFORMATION DEPICTED HEREON WAS PROVIDED BY SURVEY. PROJECT DATUM IS NAVD88 VERTICAL AND NAD 83/91 HORIZONTAL.

Contractor As-built

- CONTRACTOR SHALL MAINTAIN ONE SET OF THE CONTRACT DRAWINGS THAT SHALL INCLUDE, CLEARLY AND LEGIBLY MARKED, ANY ALTERATION OR LOCATIONS OF UNDERGROUND UTILITIES ENCOUNTERED DURING PROGRESS OF THIS PROJECT, AND ANY ALTERATIONS MADE TO THE IMPROVEMENT BEING INSTALLED. SAID DRAWINGS SHALL BE MARKED "AS-BUILT" AND SHALL BE SUBMITTED TO THE ENGINEER UPON PROJECT COMPLETION.
- THE CONTRACTOR SHALL MAINTAIN REDLINES, FIELD NOTES AND DIGITAL PHOTOGRAPHS TO DOCUMENT ALL IMPROVEMENTS OR VARIATIONS AS WORK PROGRESSES. CONTRACTOR SHALL MAINTAIN DOCUMENTATION ON-SITE AT ALL TIMES AND SHALL MAKE IT AVAILABLE FOR OWNER REVIEW. THE DOCUMENTATION SHALL BE PROVIDED TO THE OWNER IN AUTOCAD ELECTRONIC FORMAT AT THE COMPLETION OF CONSTRUCTION FOR USE IN PREPARATION OF RECORD DRAWINGS.

Utilities Location

- APPROXIMATE LOCATIONS OF EXISTING UTILITIES HAVE BEEN OBTAINED FROM AVAILABLE RECORDS AND ARE SHOWN FOR CONVENIENCE. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING UNDERGROUND LOCATE LINE AT 811 A MINIMUM OF TWO FULL WORKING DAYS PRIOR TO BEGINNING ANY EXCAVATION, AND BY POT-HOLING ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION TO VERIFY DEPTH.

Work Within The Right-of-Way

- CONTRACTOR SHALL OBTAIN A PERMIT PRIOR TO ANY WORK WITHIN THE CITY RIGHT-OF-WAY. ALL WORK WITHIN THE RIGHT-OF-WAY SHALL ADHERE TO CITY STANDARDS AS OUTLINED IN THE PERMIT. MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE WSDOT STANDARD SPECIFICATIONS, CURRENT ADDITION OF MUTCD, AND CITY PUBLIC WORKS STANDARDS.

Erosion Control

- ALL EROSION CONTROL MEASURES SHALL MEET THE REQUIREMENTS OF THE CITY STANDARD DETAILS.
- A TEMPORARY EROSION AND SEDIMENT CONTROL PLAN HAS BEEN PREPARED AND INCLUDED IN THE CONTRACT DRAWINGS.
- EROSION CONTROL MEASURES ARE NOT LIMITED TO THE ITEMS ON THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES. NO SILTATION OF EXISTING OR PROPOSED DRAINAGE FACILITIES SHALL BE ALLOWED. CARE SHALL BE TAKEN TO PREVENT MIGRATION OF SILTS TO OFF-SITE PROPERTIES. ALL DISTURBED EARTH CAUSED BY CONTRACTOR'S ACTIVITIES SHALL BE HYDROSEEDED.
- ALL SEDIMENT CONTROL DEVICES INCLUDING, BUT NOT LIMITED TO, SEDIMENT PONDS, PERIMETER SILT FENCING, OR OTHER SEDIMENT TRAPPING BEST MANAGEMENT PRACTICES, SHALL BE INSTALLED PRIOR TO ANY GROUND DISTURBING ACTIVITY.
- TEMPORARY OR FINAL STABILIZATION OF ALL EXPOSED AREAS SHALL BE WITHIN 48 HOURS AFTER REACHING FINISHED GRADE.
- AREAS OVER 5,000 SQUARE FEET TO BE PAVED MUST BE PROVIDED WITH A CRUSHED ROCK SUBBASE OR OTHER APPROVED ARMORING WITHIN A MINIMUM OF SEVEN (7) DAYS AFTER REACHING GRADE. EXPOSED SOILS REQUIRE TEMPORARY STABILIZATION IF UNWORKED FOR MORE THAN 2 DAYS DURING THE WET SEASON (OCTOBER 15TH TO MAY 30TH) OR MORE THAN 7 DAYS DURING THE DRY SEASON (JUNE 1ST TO SEPTEMBER 30TH).
- THE CONTRACTOR SHALL REMOVE ALL TEMPORARY BMPs AND ALL ASSOCIATED HARDWARE FROM THE PROJECT LIMITS PRIOR TO PHYSICAL COMPLETION UNLESS OTHERWISE APPROVED BY THE ENGINEER.

Dewatering

- FOUNDATIONS, UTILITY TRENCHES, AND ALL OTHER PARTS OF THE CONSTRUCTION SITE SHALL BE DEWATERED AND KEPT FREE OF STANDING WATER AND MUDDY CONDITIONS AS NECESSARY FOR THE PROPER EXECUTION OF THE WORK. THE CONTRACTOR SHALL FURNISH, INSTALL, OPERATE, AND MAINTAIN ALL DRAINS, PUMPS, AND OTHER EQUIPMENT REQUIRED TO PROPERLY DEWATER THE SITE AS SPECIFIED. DEWATERING SYSTEMS THAT CAUSE A LOSS OF SOIL FINES FROM FOUNDATIONS AREAS WILL NOT BE PERMITTED. WATER SHALL BE DISCHARGED TO AN APPROVED LOCATION.

Removal and Replacement of Unsuitable Materials

- WHEN EXCAVATION ACTIVITIES EXPOSE PEAT, SOFT CLAY, QUICKSAND, DEBRIS, OR OTHER UNSUITABLE FOUNDATION MATERIAL, SUCH MATERIAL SHALL BE REMOVED TO THE DEPTH DIRECTED BY ENGINEER AND BACKFILLED WITH SUITABLE APPROVED FOUNDATION MATERIAL.
- UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE SITE AND HAULED TO AN APPROVED PERMITTED WASTE SITE OBTAINED BY THE CONTRACTOR. THE CONTRACTOR SHALL FURNISH AND PLACE SUITABLE MATERIALS MEETING THE REQUIREMENTS OF THE STANDARD SPECIFICATION.

Drainage

- SEE UTILITY DRAWING AND DETAILS FOR SPECIFICATIONS.

Excavation and Grading

- THE CONTRACTOR SHALL DETERMINE THE TYPE OF EQUIPMENT AND METHOD TO USE TO ACHIEVE REQUIRED COMPACTION. THE CONTRACTOR SHALL ARRANGE FOR A GEOTECHNICAL ENGINEER TO TEST AND CERTIFY SOIL COMPACTION. THE OWNER SHALL RECEIVE COPIES OF ALL GEOTECHNICAL INSPECTION AND TEST REPORTS. EARTH COMPACTION SHALL BE CONSISTENT WITH STANDARD SPECIFICATIONS SECTION 2-03.3(1)C METHOD C.
- THE PROJECT AREA SHALL BE EXCAVATED A MINIMUM OF 12-INCHES AND THE SUBGRADE COMPACTED IN PREPARATION FOR FINISHED SURFACES INCLUDING IMPORTED STRUCTURAL FILL PER THE GEOTECHNICAL REPORT A MINIMUM OF TWO MONTHS PRIOR TO BEGINNING CONSTRUCTION FOR BUILDING FOUNDATIONS.
- PIPE BEDDING AND BACKFILL SHALL BE CSTC.
- ALL AREAS OF FILL THAT WILL BE WITHIN THE BUILDING ENVELOPE SHALL BE COMPACTED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
- HMA SHALL MEET THE REQUIREMENTS OF "HMA CLASS 1/2" PG 64-22" OF THE STANDARD SPECIFICATIONS, WITH 92% COMPACTION OF MAXIMUM DRY DENSITY (ASTM D1557).
- CSTC AND CSBC SHALL MEET THE REQUIREMENTS OF SECTION 9-03.9(3) OF THE STANDARD SPECIFICATIONS, WITH 95% COMPACTION OF MAXIMUM DRY DENSITY (ASTM D1557)
- THE PAVEMENT SECTION SHALL CONSIST OF THE FOLLOWING:

COURSE	THICKNESS (INCHES)	PERCENT COMPACTION*
HOT MIXED ASPHALT	4	92
CSBC	12	95

* PERCENT OF MAXIMUM DRY DENSITY (ASTM D1557)

Abbreviations

ADJ	Adjust	MH	Manhole
AC	Asphalt Concrete	MJ	Mechanical Joint
ASPH	Asphalt	NAVD	North American Vertical Datum
ASSY	Assembly	(N)	North
AVE	Avenue	(NE)	Northeast
BC	Back of Curb	(NW)	Northwest
BFV	Butterfly Valve	NTS	Not to Scale
BLKG	Blocking	OD	Outside Diameter
BLOG	Building	O/S	Offset
BOT	Bottom	PC	Point of Curvature
BVC	Begin Vertical Curve	PE	Professional Engineer
BVCE	Begin Vertical Curve Elevation	PERF	Perforated
BVCS	Begin Vertical Curve Station	PERM	Permanent
CARV	Combination Air Release Valve	PL	Property Line
CB	Catch Basin	PT	Point of Tangency
CDF	Control Density Fill	PVC	Polyvinyl Chloride
CI	Cast Iron	PVMT	Pavement
CL	Centerline	PKG	Parking
CL	Class	PRV	Pressure Reducing Valve
CMP	Corrugated Metal Pipe	PT	Point of Tangency
CO	Clean Out	PVI	Point of Vertical Intersection
CO	Concrete	PVIE	Point of Vertical Intersection Elevation
CONC	Construction	PVIS	Point of Vertical Intersection Station
CONTR	Contractor	R	Radius
CPEP	Corrugated Polyethylene Pipe	RBC	Rebar and Cap
CPLG	Coupling	REQD	Required
CSBC	Crushed Surfacing Base Course	RPBA	Reduced Pressure Backflow Assembly
CSTC	Crushed Surfacing Top Course	RT	Right
DI	Ductile Iron	ROW	Right-of-Way
DIA	Diameter	S	Slope
DL	Daylight Earthwork	(S)	South
DS	Downspout	SD	Storm Drain
DWG	Drawing	SDCB	Storm Drain Catch Basin
DWY	Drainway	SDMH	Storm Drain Manhole
(E)	East	SDR	Sidewalk Dimension Ratio
EC	Erosion Control	(SE)	Southeast
EG	Existing Grade	SHT	Sheet
EGC	Existing Grade at Centerline	SS	Sanitary Sewer
ELEV	Elevation	SSCO	Sanitary Sewer Clean Out
EP	Edge of Pavement	SSMH	Sanitary Sewer Manhole
EVC	End Vertical Curve	SST	Stainless Steel
EVCE	End Vertical Curve Elevation	ST	Street
EVCS	End Vertical Curve Station	STA	Station
EX	Existing	STD	Standard
FCA	Flange Coupling Adapter	STRUCT	Structure
FDC	Fire Department Connection	SW	Sidewalk
FG	Finish Grade	(SW)	Southwest
FSC	Finish Grade at Centerline	TC	Top of Curb
FH	Fire Hydrant	TELE	Telephone
FL	Flow Line	TEMP	Temporary
FLG	Flange	TESC	Temporary Erosion and Sediment Control
FND	Found	THRU	Through
FOC	Face of Curb	TP	Top of Pipe
GV	Gate Valve	TRANS	Transition
HDPPE	High Density Polyethylene	TYP	Typical
HMA	Hot Mix Asphalt	UNO	Unless Noted Otherwise
HORIZ	Horizontal	V	Vertical Curve
HYD	Hydrant	VERT	Vertical
ILLUM	Illumination	W	With
INV	Invert	(W)	West
IE	Invert Elevation	WSE	Water Surface Elevation
INT	Intersection		
IP	Iron Pipe		
JUNCT	Junction		
LT	Left		
LF	Lineal Feet		
LS	Landsaped Surface		
MAX	Maximum		
MD	Measure Down		
MGL	Milligrams per Liter		
MIN	Minimum		

SYMBOLS

Δ	Delta
#	Number
&	And
@	At
Ø	Diameter

Legends

Existing Line Types

	Existing Building
	Existing Cable TV - Buried
	Existing Centerline Road
	Existing Concrete, Curb, Gutter and Sidewalk
	Existing Creek/Ditch
	Existing Fence
	Existing Gas
	Existing Guardrail
	Existing Gravel
	Existing Pavement Edge
	Existing Power - Aerial
	Existing Power - Buried
	Existing Right-Of-Way
	Existing Sanitary Sewer
	Existing Storm Drain
	Existing Telephone - Buried
	Existing Traffic Signal
	Existing Toe of Slope
	Existing Top of Slope
	Existing Brush Line
	Existing Water
	Existing Wetland Boundary
	Existing Wetland Buffer

Proposed Line Types

	Proposed Storm Drain Line
	Proposed Water Line
	Proposed Fire Line
	Proposed Sanitary Sewer Line
	Proposed Gas Line
	Proposed Diesel Line
	Proposed Cable TV/Internet Line
	Utility to be Removed/Abandoned
	Proposed Saw Cut Line
	Proposed Silt Fencing

Existing Symbols

	Existing Yard Light
	Existing Hydrant
	Existing Water Meter
	Existing Gate Valve
	Existing Water Vault
	Existing Mail Box
	Existing Sign
	Existing Conifer Tree
	Existing Deciduous Tree
	Existing Shrub
	Existing Power Pole
	Existing Power Pole Anchor
	Existing Power Transformer
	Existing Power Vault
	Existing Sewer Cleanout
	Existing Sewer Manhole
	Existing Storm Culvert
	Existing SDCB
	Existing SDMH
	Existing Telephone Pole
	Existing Telephone Pole Anchor
	Existing Telephone Riser
	Existing Street Light
	Existing Traffic Signal
	Existing Junction Box
	Existing Gas Valve
	Existing Traffic Signal Cabinet

Proposed Symbols

	Proposed Storm Drain Manhole
	Proposed Catch Basin
	Proposed Storm Drain Cleanout
	Proposed Fire Hydrant
	Proposed Gate Valve MJ x FLG
	Proposed Gate Valve MJ
	Proposed Fitting MJ
	Proposed Fitting FLG
	Proposed Fitting MJ x FLG
	Proposed Thrust Block
	Proposed Double Check Detector Assembly
	Proposed Double Check Valve Assembly
	Proposed Reduced Pressure Backflow Assembly
	Proposed Water Meter
	Proposed Sanitary Sewer Manhole
	Proposed Sanitary Sewer Cleanout
	Survey Point

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Grading & Storm Drainage		
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NO.	DATE	DESCRIPTION



LOWER COLUMBIA COLLEGE
NEW HEAD START BLDG AT BARNES SCHOOL
401 BARNES STREET
KELSO, WASHINGTON



GIBBS & OLSON
www.gibbs-olson.com
1157 3rd Avenue, Suite 219
Longview, WA 98632
(360) 425-0991

PERMIT SET
10-22-2018

NOTES, LEGEND, &
SHEET INDEX

0366.0014

SHEET NO.

C0.1

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 201 VEYS AVE
 6.54 ACRES

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 0.14 ACRES

PARCEL #: 221860524
 1615 BOWMONT AVE
 0.30 ACRES

PARCEL #: 221860504
 1616 BOWMONT AVE
 0.15 ACRES

PARCEL #: 221860503
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 0.19 ACRES

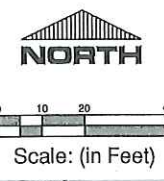
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 401 BARNES ST
 8.06 ACRES

PARCEL #: 221860502
 1608 BOWMONT AVE
 0.21 ACRES

PARCEL #: 221860501
 1604 BOWMONT AVE
 0.23 ACRES

PARCEL #: 221860500
 1600 BOWMONT AVE
 0.17 ACRES

PARCEL #: 244060100
 1590 BOWMONT AVE
 0.52 ACRES



WEEK	DATE	DESCRIPTION

COLLINS
 ARCHITECTURAL GROUP, P.S.
 680 12th AVE, SUITE 200
 LONGVIEW, WA 98032
 PHONE: 360-425-0000
 E-MAIL: ALI@COLLINSARCHGROUP.COM

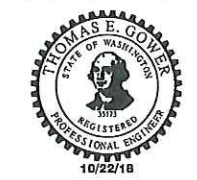
LOWER COLUMBIA COLLEGE
 NEW HEAD START BLDG AT BARNES SCHOOL
 401 BARNES STREET
 KELSO, WASHINGTON

PERMIT SET
 10-22-2018

EXISTING CONDITIONS
 & BLDG SETBACKS

0366.0014
 SHEET NO.

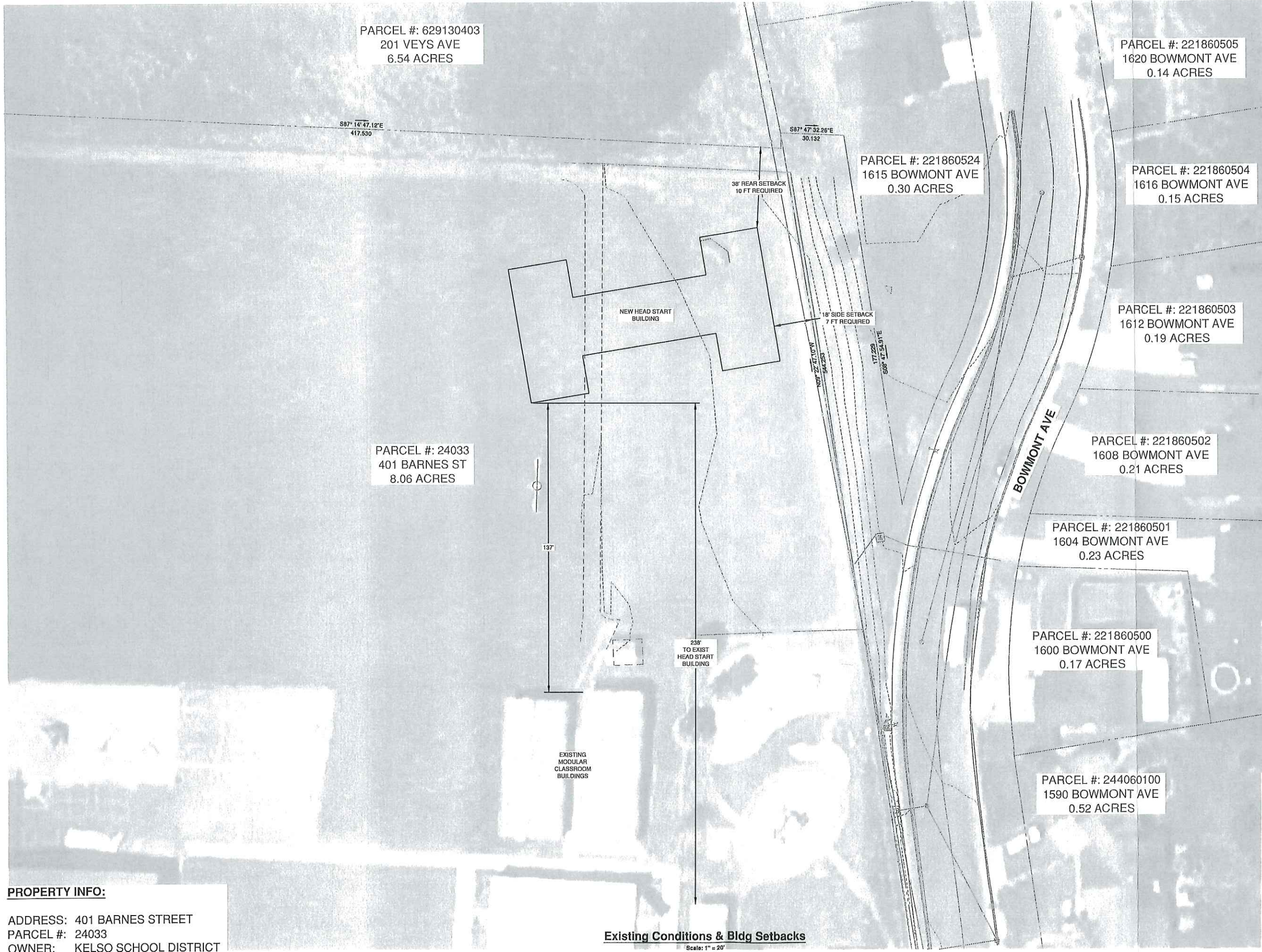
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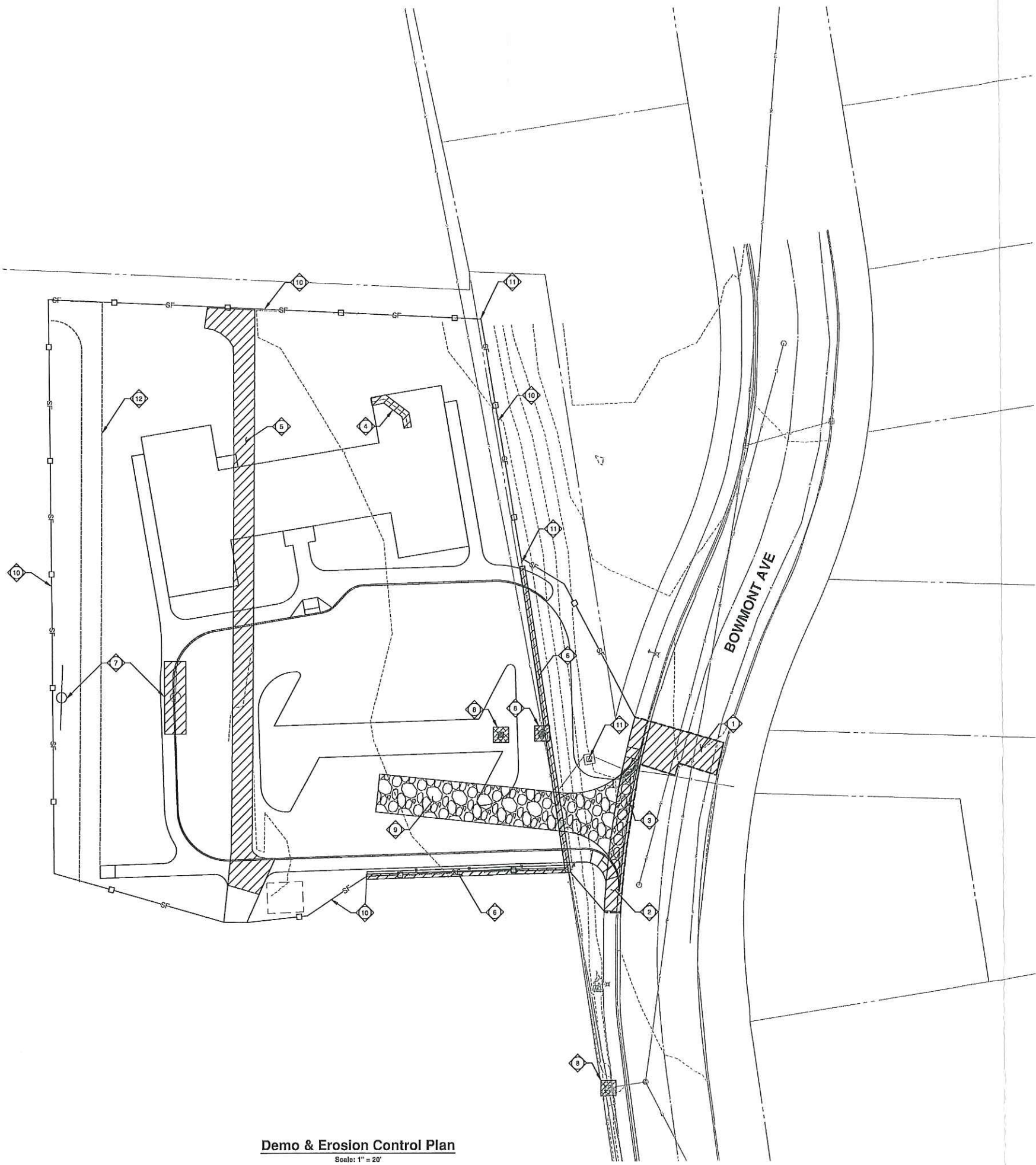
G
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Existing Conditions & Bldg Setbacks
 Scale: 1" = 20'

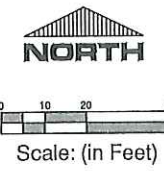
PROPERTY INFO:
 ADDRESS: 401 BARNES STREET
 PARCEL #: 24033
 OWNER: KELSO SCHOOL DISTRICT



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Demo & Erosion Control Plan
 Scale: 1" = 20'



- LEGEND:**
- DEMOLITION**
- EXISTING TO BE REMOVED
 - EXISTING PIPE TO BE REMOVED AND DISPOSED/ABANDONED
 - SAWCUT LINE
- EROSION CONTROL**
- RIPRAP CONSTRUCTION ENTRANCE
 - INLET PROTECTION
 - SILT FENCE

- DEMO & EROSION CONTROL CONSTRUCTION NOTES:**
- 1 REMOVE & DISPOSE EXISTING ASPHALT PAVEMENT
 - 2 REMOVE & DISPOSE EXISTING CONCRETE SIDEWALK
 - 3 REMOVE & DISPOSE EXISTING CURB & GUTTER
 - 4 REMOVE EXISTING FENCE BACKSTOP
 - 5 REMOVE & DISPOSE EXISTING GRAVEL TRACK
 - 6 REMOVE & DISPOSE EXISTING FENCE
 - 7 REMOVE & REINSTALL EXISTING GOAL POST
 - 8 INSTALL INLET PROTECTION, PER WSDOT STD PLAN I-40.20-00, SHT C1.1
 - 9 CONST TEMPORARY CONSTRUCTION ENTRANCE PER WSDOT STD PLAN I-60.10-02, SHT C1.1
 - 10 INSTALL SILT FENCE PER WSDOT STD PLAN I-30.15-02, SHT C1.1
 - 11 PROTECT EXISTING UTILITIES/POLE/PEDESTAL/FENCE
 - 12 REINSTALL GRAVEL TRACK. MATCH TO EXIST TRACK

MARK	DATE	DESCRIPTION

COLLINS
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DEMO & EROSION
 CONTROL PLAN

0366.0014
 SHEET NO.

C1.0

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EROSION CONTROL GENERAL NOTES

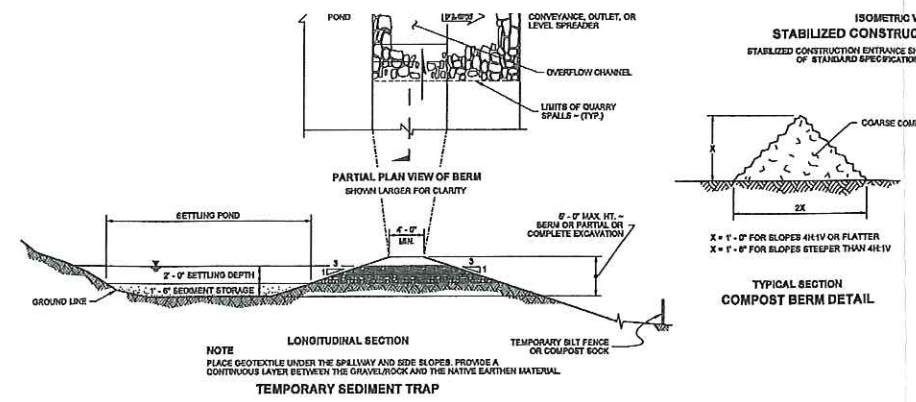
1. ALL EROSION CONTROL DEVICES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE EROSION CONTROL PLAN AND EROSION CONTROL DETAILS AND IN PLACE PRIOR TO START OF ANY LAND DISTURBING ACTIVITY.
2. ALL EROSION PREVENTION AND CONTROL BMPs SHALL BE INSPECTED, MAINTAINED AND REPAIRED AS NEEDED THROUGHOUT CONSTRUCTION TO INSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.
3. PERFORM ALL ACTIONS NECESSARY TO PREVENT EROSION AND CONTROL SEDIMENT INCLUDING DUST, FROM LEAVING THE CONSTRUCTION SITE.
4. AS CONSTRUCTION PROGRESSES AND SEASONAL CONDITIONS DICTATE, MORE EROSION AND SEDIMENT CONTROLS MAY BE REQUIRED TO ENSURE THAT SEDIMENT AND SEDIMENT-LOADED WATERS DO NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR SURFACE WATERS.
5. SITES THAT ARE REQUIRED TO HAVE A CERTIFIED EROSION AND SEDIMENT CONTROL PLAN SHALL KEEP A CURRENT INSPECTION LOG ON SITE THAT SHALL BE AVAILABLE FOR CITY REVIEW.

STORM DRAIN GENERAL NOTES

1. TRACER WIRES SHALL BE INSTALLED IN THE SAME ORIENTATION TO THE INSTALLED NON-CONDUCTIVE PIPE IN ONE CONTINUOUS STRAND. INSTALL A WARNING TAPE 12 TO 18 INCHES ABOVE THE INSTALLED PIPE. CONTINUITY TESTING OF TRACER WIRES IS REQUIRED.
2. INSTALLED PIPE SHALL BE CLEANED BY USE OF HIGH PRESSURE NOZZLE AND VACUUM TRUCK PRIOR TO VIDEOING OR TESTING.
3. VIDEO INSPECTION SHALL BE PERFORMED ON THE INSTALLED PIPE. VIDEO INSPECTION SHALL DEMONSTRATE NO DEFORMATION, MANUFACTURING OR INSTALLATION DEFECTS, OR ANY DEBRIS IN THE LINES. FOR APPROVAL AND ACCEPTANCE BY THE CITY.
4. PRESSURE TESTING IN ALL STORM MAIN LINES IS REQUIRED.
5. IF SUBGRADE CONDITIONS ARE SUBSTANDARD, FOUNDATION MATERIAL SHALL BE INSTALLED TO THE DEPTH AS DIRECTED BY THE CITY ENGINEER.

STORM DRAIN AND EROSION CONTROL NOTES

STANDARD PLAN: S/D/E C-000 CITY ENGINEER APPROVAL: MICHAEL GORDON, P.E.
 DATE: 04-2017



MISCELLANEOUS EROSION CONTROL DETAILS
 STANDARD PLAN I-80.10-02
 SHEET 1 OF 1 SHEET
 APPROVED FOR PUBLICATION
 Confirmed By: [Signature]
 DATE: 10/22/18
 STATE OF WASHINGTON
 PROFESSIONAL ENGINEER

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 1157 3rd Avenue, Suite 219
 Longview, WA 98632
 (360) 425-0991

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 10-22-2018

DEMO & ESC DETAILS

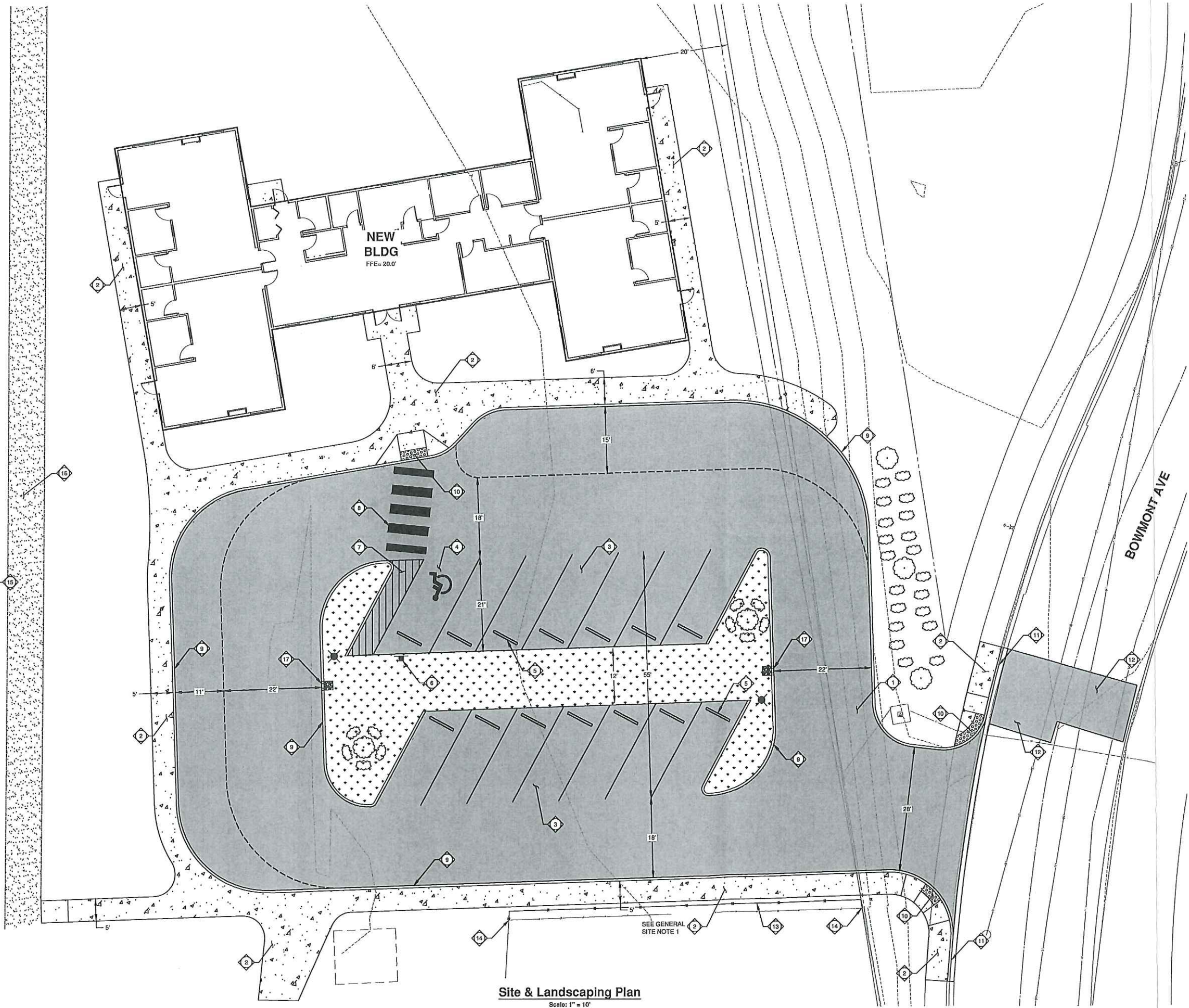
0366.0014

SHEET NO.
C1.1

LOWER COLUMBIA COLLEGE
 NEW HEAD START BLDG AT BARNES SCHOOL
 401 BARNES STREET
 KELSEO, WASHINGTON

COLLINS
 ARCHITECTURAL GROUP, P.S.
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DRAWING: T/CIVIL 301 PROJECTS CORP. CONTRACT DRAWINGS SITE PLAN DATE: 10/22/2018 5:05:24 PM DRAWING SCALE: 1/8" = 1'-0" PLOT DATE: 10/22/2018 4:10:31 PM PLOTTED BY: KROGERS
 FRONT: GIBBS & OLSON CONTRACTOR: GIBBS & OLSON - 600 3RD AVENUE, SUITE 219, LONGVIEW, WA 98043 TEL: (360) 425-0991 FAX: (360) 425-0991
 PROJECT: GIBBS & OLSON CONTRACTOR: GIBBS & OLSON - 600 3RD AVENUE, SUITE 219, LONGVIEW, WA 98043 TEL: (360) 425-0991 FAX: (360) 425-0991



Site & Landscaping Plan
 Scale: 1" = 10'



Scale: (in Feet)
 0 5 10 20

LEGEND:

- ASPHALT PAVEMENT
- CONCRETE SIDEWALK
- DETECTABLE WARNINGS
- LANDSCAPING AREA
- TREE
- SHRUB
- LIGHT POLE

SITE CONSTRUCTION NOTES:

1. CONST. HMA PARKING AREA w/ 4-IN HMA OVER 12-IN CSBC, OVER GRAVEL BORROW & GEOTEXTILE FOR SEPARATION. SEE DTL SHT C2.1
2. INSTALL CONCRETE SIDEWALK AROUND NEW BUILDING & PARKING LOT. WIDTH PER PLAN
3. INSTALL (13) 9 FT x 19 FT PARKING SPACES w/ 4-IN WHITE LINES PER WSDOT DTL M-17.10-02. SEE DTL SHT C2.2
4. INSTALL (1) 11 FT x 19 FT ADA PARKING SPACE w/ 5 FT WIDE AISLE
5. INSTALL WHEEL STOP (TYP), SEE DTL SHT C2.1
6. INSTALL MUTCD SIGN R7-8
7. INSTALL STRIPING & PARKING SYMBOLS PER MUTCD
8. INSTALL CROSSWALK STRIPING PER MUTCD
9. INSTALL CONCRETE STANDARD STRAIGHT CURB. SEE DTL SHT C2.1
10. INSTALL DETECTABLE WARNING. SEE DTL SHT C2.1
11. INSTALL CURB & GUTTER TYPE A. SEE DTL SHT C2.1
12. TRENCH RESTORATION. SEE DTL SHT C2.1
13. INSTALL 4 FT CHAIN LINK FENCE, TYPE 4. SEE DTL SHT C2.2
14. CONNECT TO EXISTING FENCE
15. REINSTALL EXISTING GOAL POST. SEE SHT C1.0
16. INSTALL GRAVEL TRACK. MATCH TO EXIST. SEE SHT C1.0 FOR TRACK EXTENTS
17. PROVIDE 12-IN CURB CUT WITH 6-IN TAPERS & QUARRY SPALLS PAD. SEE DTL SHT C2.1

GENERAL SITE NOTES:

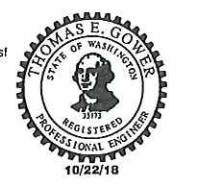
1. CONST THICKENED EDGE ON SOUTH SIDE OF SIDEWALK TO ACCOMMODATE SLOPE

PARKING SUMMARY:

- STANDARD STALLS (9 FT x 19 FT) = 13
- ADA STALLS (11 FT x 19 FT) = 1

PROPERTY AREA:

TOTAL PROPERTY AREA: 346,322 sf
 NEW IMPROVEMENTS AREA: 31,260 sf



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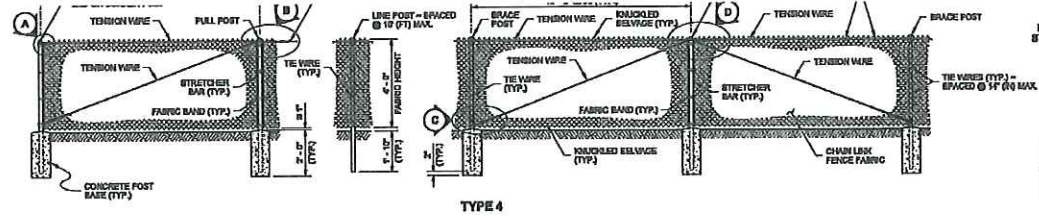
SITE & LANDSCAPING
 PLAN

0366.0014

SHEET NO.

C2.0

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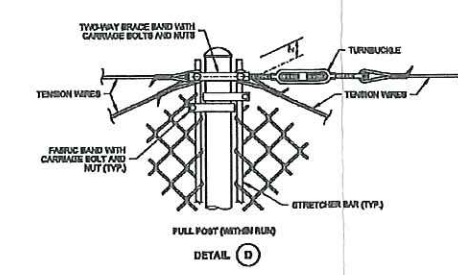
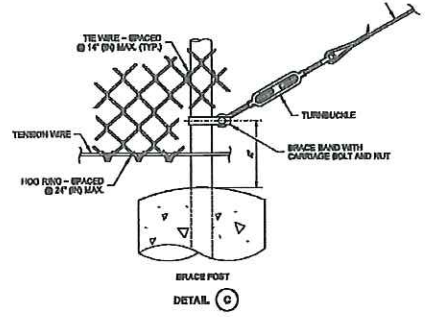


POST AND RAIL SPECIFICATIONS			
POST	PIPE	ROLL FORMED	
	NOM. SIZE (OD x ID) L.S.	SECTION	WEIGHT (LBS/FT)
END, CORNER OR FULL POST	2 1/2" DIA.	(Y)	5.10
LINE OR BRACE POST	2" DIA.	(Z)	1.85

FABRIC LOOP - 2 SIDES	(Y)
FENCE LINE	(Z)

METHOD OF FASTENING STRETCHER BAR TO POST

Barry, Ed
 Jul 14 2015 11:14 AM
CHAIN LINK FENCE TYPES 3 AND 4
 SHEET 1 OF 2 SHEETS
STANDARD PLAN L-20-10-03
 APPROVED FOR PUBLICATION
 Christine, JKT
 Jul 14 2015 11:24 AM
 Washington State Department of Transportation



Barry, Ed
 Jul 14 2015 11:14 AM
CHAIN LINK FENCE TYPES 3 AND 4
 SHEET 2 OF 2 SHEETS
STANDARD PLAN L-20-10-03
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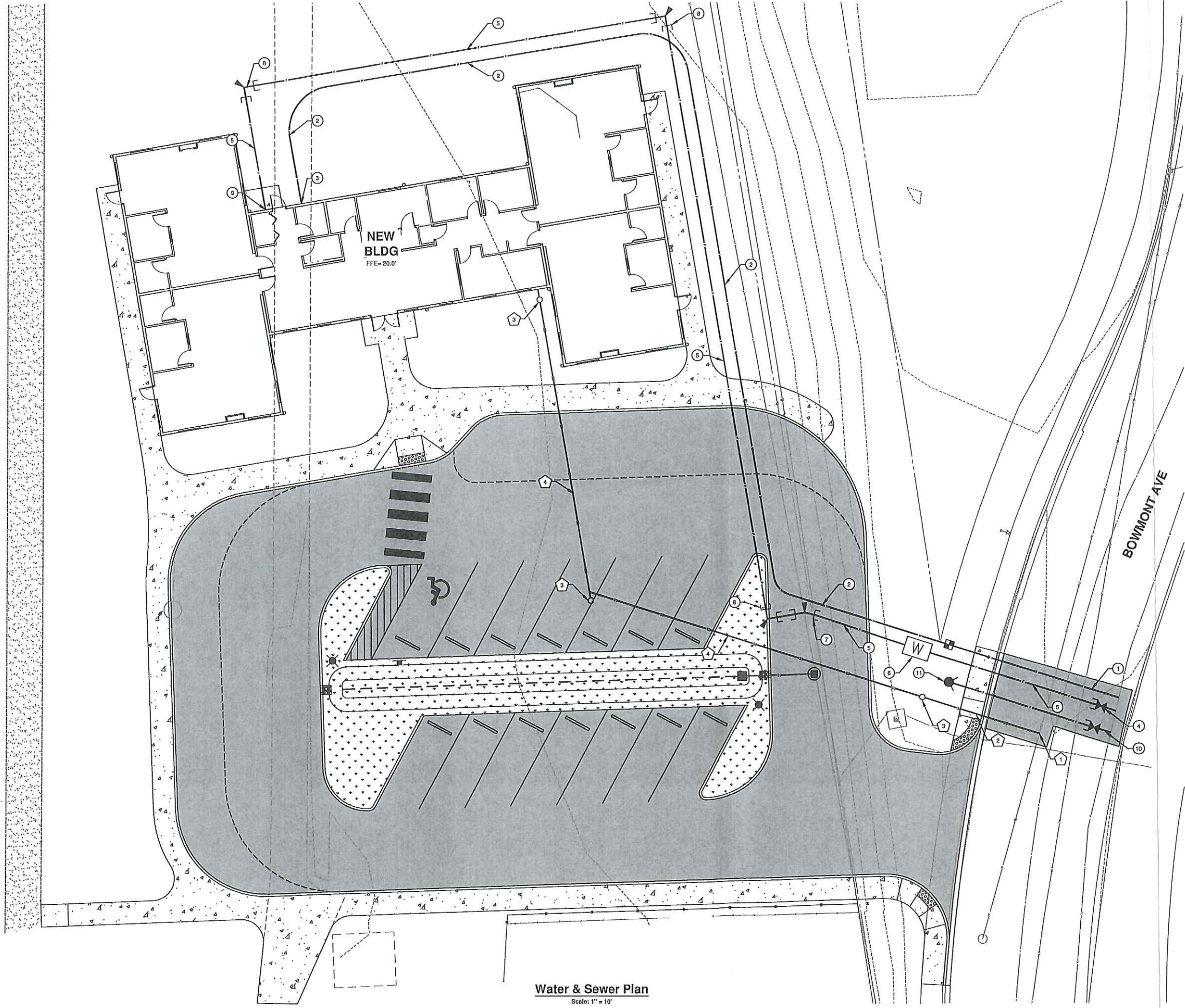
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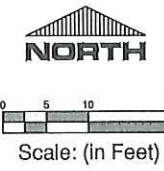
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Water & Sewer Plan
Scale: 1" = 10'



- LEGEND:**
- WATER**
 - WATER LINE
 - FIRE LINE
 - MJ x MJ FITTING w/ THRUST BLOCK
 - SANITARY SEWER**
 - SANITARY SEWER LINE
 - o CLEANOUT

- WATER CONSTRUCTION NOTES:**
- 1 INSTALL 1-IN WATER SERVICE CONNECTION PER CITY STD DTL W-010, SHT C3.1
 - 2 INSTALL 1/2-IN POLYLINE 250 PSI RATING
 - 3 CONNECT TO WATER LINE AT BLDG. SEE MECHANICAL DRAWINGS FOR CONTINUATION.
 - 4 4-IN HOT TAP OF EXIST WATER MAIN PER CITY STD DTL W-260, SHT C3.2. INSTALL 4-IN GATE VALVE (MJxFL)
 - 5 INSTALL 4-IN DI CL 52 FIRE LINE
 - 6 INSTALL 4-IN DOUBLE CHECK VALVE DETECTOR ASSEMBLY w/ FDC PER CITY STD DTL W-360-K, SHT C3.2. CONNECT VAULT DRAIN TO STORM DRAIN.
 - 7 INSTALL 4-IN 22 1/2° BEND (MJ) w/ THRUST BLOCK
 - 8 INSTALL 4-IN 90° BEND (MJ) w/ THRUST BLOCK
 - 9 CONNECT TO FIRE SPRINKLER SYSTEM. SEE MECHANICAL DRAWINGS FOR CONTINUATION.
 - 10 6-IN HOT TAP OF EXIST WATER MAIN PER CITY STD DTL W-260, SHT C3.2. INSTALL 6-IN GATE VALVE (MJxFL)
 - 11 INSTALL HYDRANT PER CITY STD DTL W-150, SHT C3.3

- SEWER CONSTRUCTION NOTES:**
- 1 CONNECT TO EXISTING SANITARY SEWER MAIN W/ A SANITARY SEWER TAP PER CITY STD DTL SS-230, SHT C3.1
 - 2 INSTALL 27 LF OF 6-IN SANITARY SEWER SERVICE LATERAL PER CITY STD DTL SS-150, SHT C3.1
 - 3 INSTALL CLEANOUT PER CITY STD DTL SS-160, SHT C3.1
 - 4 INSTALL 145 LF OF 4-IN PVC ASTM D3034 SANITARY SEWER SERVICE LATERAL @ S = 0.02 FT/FT (MIN) AND CONNECT TO SEWER LINE AT BLDG. SEE MECHANICAL DWGS FOR CONTINUATION.

- GENERAL CONSTRUCTION NOTES:**
1. CONTRACTOR SHALL COORDINATE THE PIPING CONNECTION POINTS WITH BUILDING SUPPLIER PRIOR TO BEGINNING PIPELINE CONSTRUCTION
 2. ALL DUCTILE IRON FIRE LINE PIPING, VALVES AND FITTING JOINTS SHALL BE MECHANICALLY RESTRAINED IN ADDITION TO THRUST BLOCKING.

MARK	DATE	DESCRIPTION

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WATER & SEWER PLAN

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SEWER DETAILS

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WATER DETAILS

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WATER DETAILS

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SHEET NO.

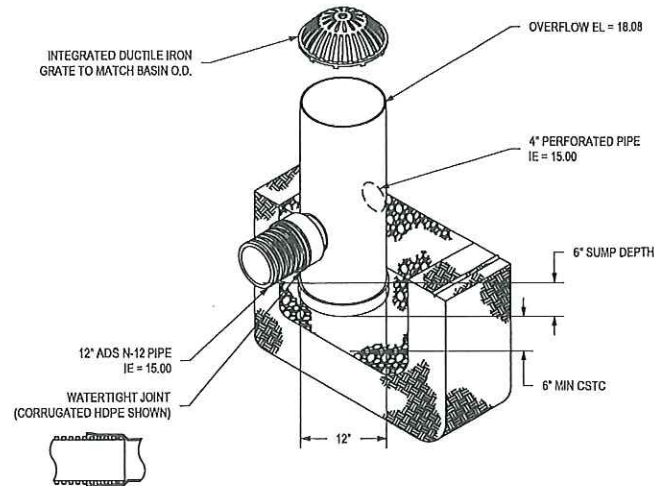
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LOWER COLUMBIA COLLEGE
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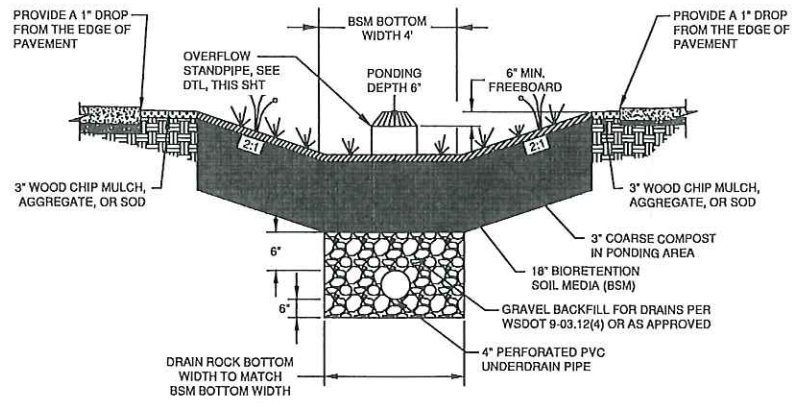
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12" NYLOPLAST DRAIN BASIN WITH DOME GRATE
OVERFLOW STANDPIPE FOR BIORETENTION PLANTER

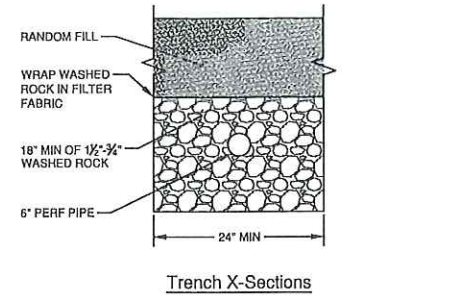


Overflow Standpipe
N.T.S.

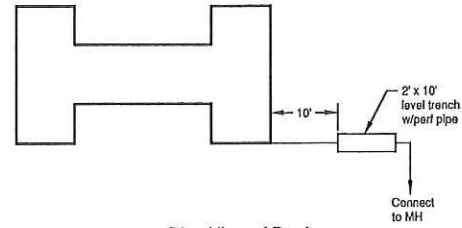


- NOTES:
1. SCARIFY SUBGRADE 3" MIN. BEFORE BIORETENTION SOIL INSTALLATION
 2. COMPACT BSM TO 85% PER ASTM 1577

Bioretention Planter
N.T.S.



Trench X-Sections



Plan View of Roof

Roof Drain Perforated Stubout Connection
N.T.S.

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STORM DRAINAGE
DETAILS

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