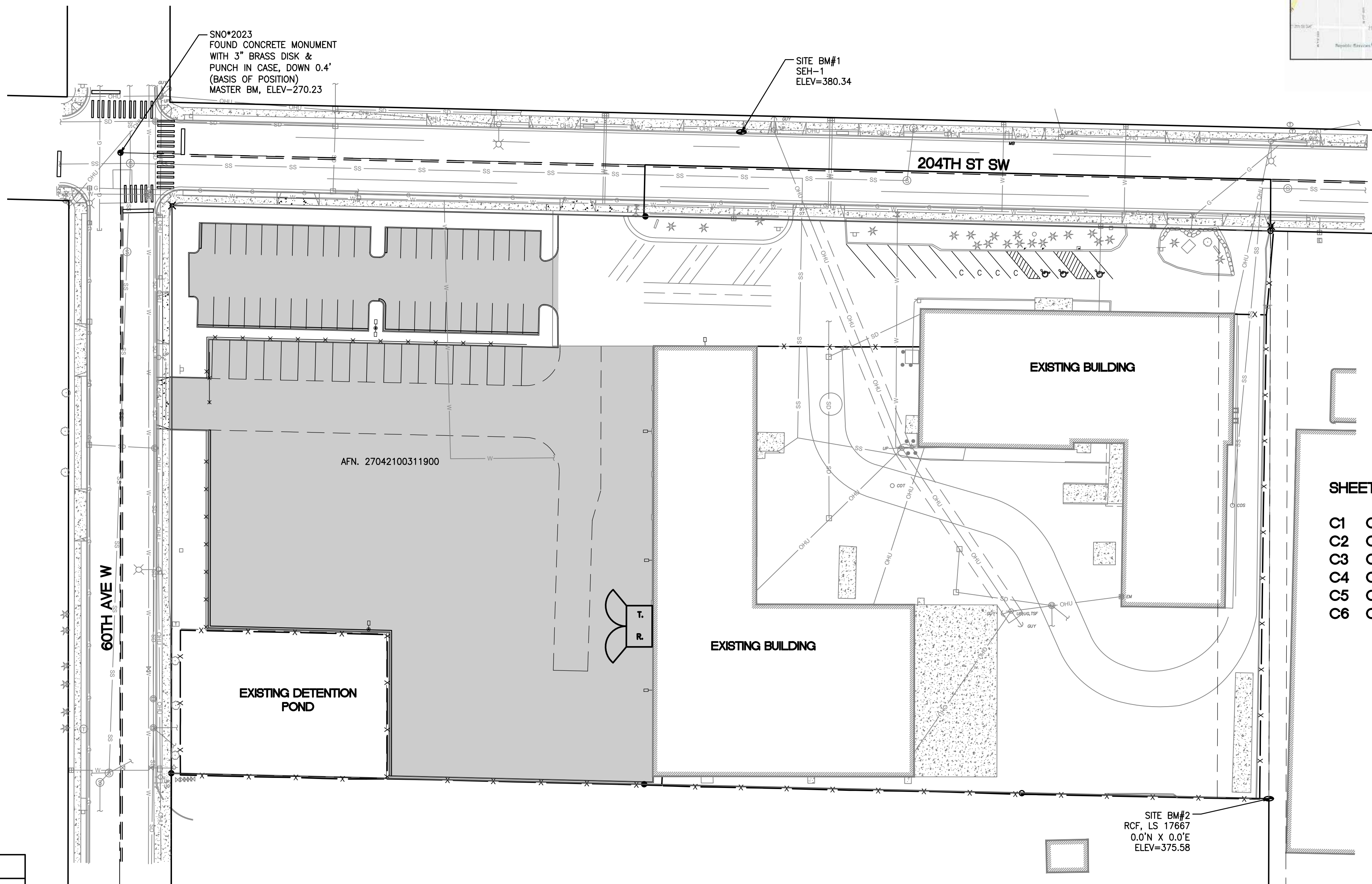
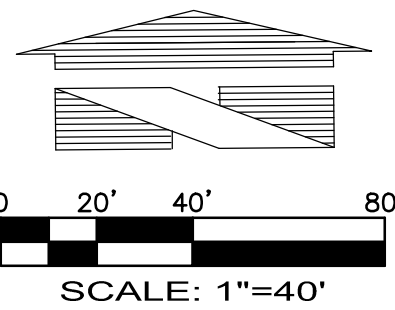


GENERAL SITE NOTES:

- THE CONTRACTOR SHALL OBTAIN AND HAVE AVAILABLE COPIES OF THE APPLICABLE GOVERNING AGENCY STANDARDS AT THE JOB SITE DURING THE RELATED CONSTRUCTION OPERATIONS.
- CONTRACTOR SHALL ENSURE THAT ALL NECESSARY PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCING WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION WHETHER SHOWN ON THESE PLANS OR NOT. UTILITIES OTHER THAN THOSE SHOWN MAY EXIST ON THIS SITE. ONLY THOSE UTILITIES WITH EVIDENCE OF THEIR INSTALLATION VISIBLE AT GROUND SURFACE OR SHOWN ON RECORD DRAWING PROVIDED BY OTHERS ARE SHOWN HEREON. EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY AND ARE SUBJECT TO A DEGREE OF UNKNOWN VARIATION. SOME UNDERGROUND LOCATIONS SHOWN HEREON MAY HAVE BEEN TAKEN FROM PUBLIC RECORDS. BARGHAUSEN CONSULTING ENGINEERS, INC. ASSUMES NO LIABILITY FOR THE ACCURACY OF PUBLIC RECORDS OR RECORDS OF OTHERS. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT BARGHAUSEN CONSULTING ENGINEERS, INC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR THE RELATIVE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL REGULATIONS AND CODES.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE APPROPRIATE UTILITIES INVOLVED PRIOR TO CONSTRUCTION.
- INSPECTION OF SITE WORK WILL BE ACCOMPLISHED BY A REPRESENTATIVE OF THE GOVERNING JURISDICTION. INSPECTION OF PRIVATE FACILITIES WILL BE ACCOMPLISHED BY A REPRESENTATIVE OF THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE INSPECTOR 24 HOURS IN ADVANCE OF BACKFILLING ALL CONSTRUCTION.
- PRIOR TO ANY CONSTRUCTION OR DEVELOPMENT ACTIVITY THE CONTRACTOR SHALL CONTACT THE AGENCY AND/OR UTILITY INSPECTION PERSONNEL AND ARRANGE ANY REQUIRED PRE-CONSTRUCTION MEETING(S). CONTRACTOR SHALL PROVIDE ONE WEEK MINIMUM ADVANCE NOTIFICATION TO OWNER, FIELD ENGINEER AND ENGINEER OF PRE-CONSTRUCTION MEETINGS.
- THE CONTRACTOR IS RESPONSIBLE FOR WORKER AND SITE SAFETY AND SHALL COMPLY WITH THE LATEST OSHA STANDARDS AND REGULATIONS, OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE "MEANS AND METHODS" REQUIRED TO MEET THE INTENT AND PERFORMANCE CRITERIA OF OSHA, AS WELL AS ANY OTHER ENTITY THAT HAS JURISDICTION FOR EXCAVATION AND/OR TRENCHING PROCEDURES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACTOR. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE AT LEAST ONE FLAGGER FOR EACH LANE OF TRAFFIC AFFECTED.
- PROTECTIVE MEASURES SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT ALL ADJACENT PUBLIC AND PRIVATE PROPERTIES AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL EXISTING UTILITY SERVICES THAT ARE TO REMAIN OPERATIONAL WITHIN THE CONSTRUCTION AREA WHETHER SHOWN OR NOT SHOWN ON THE PLANS.
- TWO (2) COPIES OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS. ONE (1) SET WITH RECORDS OF AS-BUILT INFORMATION SHALL BE SUBMITTED TO BARGHAUSEN CONSULTING ENGINEERS, INC. AT COMPLETION OF PROJECT.
- CONTRACTOR SHALL OBTAIN SERVICES OF A LICENSED LAND SURVEYOR TO STAKE HORIZONTAL CONTROL FOR ALL NEW IMPROVEMENTS. STAKING CONTROL SHALL BE TAKEN FROM ELECTRONIC PLAN FILES PROVIDED BY BARGHAUSEN CONSULTING ENGINEERS, INC.
- CONTRACTOR SHALL REQUEST FROM BARGHAUSEN CONSULTING ENGINEERS, INC., PRIOR TO ANY CONSTRUCTION STAKING OR CONSTRUCTION WORK, A FORMAL CONSTRUCTION RELEASE PLAN SET OR SPECIFIC RELEASE IN WRITING. THE APPROVED AGENCY PERMIT DRAWINGS WILL NOT BE CONSIDERED CONSTRUCTION RELEASE PLANS BY BARGHAUSEN CONSULTING ENGINEERS, INC. UNLESS BARGHAUSEN CONSULTING ENGINEERS, INC. HAS GIVEN A FORMAL WRITTEN RELEASE OR ISSUED A CONSTRUCTION RELEASE PLAN SET.



Know what's below.
Call before you dig.



SHEET INDEX:

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COVER SHEET
DEMOLITION AND TESC PLAN
GRADING AND DRAINAGE PLAN
CONSTRUCTION NOTES AND DETAILS
CONSTRUCTION NOTES AND DETAILS
CONSTRUCTION NOTES AND DETAILS

LEGEND:

SURVEY MONUMENT		PROPOSED TYPE II CATCH BASIN	
EX. POWER VAULT		PROPOSED TYPE I CATCH BASIN	
EX. LUMINAIRE (LUM.)		PROPOSED STORM DRAIN FLOW ARROW	
EX. LOT LIGHT		PROPOSED STORM DRAINAGE LINE	
EX. POWER POLE		PROPOSED TRENCH DRAIN	
EX. JUNCTION BOX		PROPOSED SANITARY SEWER LINE	
EX. CATCH BASIN (CB)		PROPOSED SANITARY SEWER CLEANOUT	
EX. CATCH BASIN (CB) TYPE 2		PROPOSED WATERMAIN	
EX. SANITARY SEWER MANHOLE (SSMH)		PROPOSED FIRE HYDRANT	
EX. GAS METER		PROPOSED WATER VALVE	
EX. GAS VALVE		PROPOSED CONCRETE BLOCKING	
EX. WATER VALVE (WV)		PROPOSED 90° BEND	
EX. FIRE HYDRANT (FH)		PROPOSED SPOT ELEVATIONS	
MAIL BOX		EXISTING SPOT ELEVATIONS	
EX. WATER METER		EXISTING CONTOURS	
EX. SIGN		PROPOSED CONTOURS	
EX. WATER LINE		PROPOSED LIGHT-DUTY ASPHALT PAVEMENT	
EX. SANITARY SEWER LINE		PROPOSED HEAVY-DUTY ASPHALT PAVEMENT	
EX. STORM DRAINAGE LINE		PROPOSED CONCRETE PAVEMENT	
EX. POWER UNDERGROUND		PROPOSED CONCRETE OVERLAY	
EX. UNDER OVERHEAD			
EX. METAL FENCE			
EX. WOOD FENCE			

LEGAL DESCRIPTION:

THE NORTH 360 FEET OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 21, TOWNSHIP 27 NORTH, RANGE 4 EAST, W.M., IN SNOHOMISH COUNTY, WASHINGTON EXCEPT THE NORTH 30 FEET AND THE WEST 30 FEET THEREOF. SITUATE IN THE COUNTY OF SNOHOMISH, STATE OF WASHINGTON

PARCEL NUMBER(S):

27042100311900

BASIS OF BEARING:

HELD BEARING OF WEST LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 21 BETWEEN THE ABOVE NOTED BASIS OF POSITION AND FOUND SOUTHWEST CORNER OF SAID SECTION 21 (ALSO KNOWN AS SNOHOMISH COUNTY SURVEY CONTROL POINT 1594 (N 297736.249, E 1276589.843)) TO BE N 0°34'13" E PER DIRECT INVERSE OF SNOHOMISH COUNTY COORDINATES.

HORIZONTAL DATUM:

NAD 83/91 WASHINGTON STATE COORDINATES — NORTH ZONE. THIS SURVEY HAS HELD THE PUBLISHED SNOHOMISH COUNTY LOCATIONS FOR THE CONTROLLING MONUMENTATION FOR THE SOUTHWEST QUARTER OF SECTION 21, TOWNSHIP 27 NORTH, RANGE 4 EAST, W.M., TO DETERMINE THE BOUNDARY SHOWN HEREON.

VERTICAL DATUM:

NAVD 1988 PER SNOHOMISH COUNTY GEODETIC GPS SURVEY CONTROL.

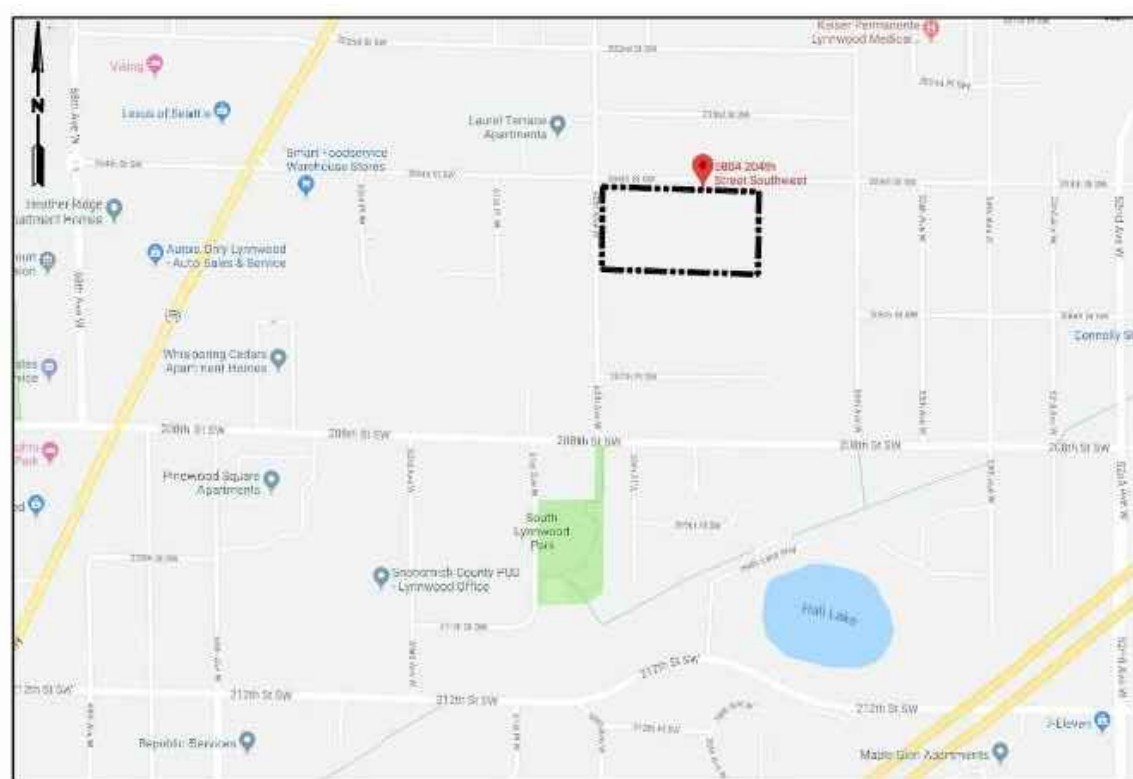
MASTER BENCHMARK: SNOHOMISH COUNTY GPS SURVEY CONTROL POINT 2023 (ALSO KNOWN AS THE WEST QUARTER CORNER OF SAID SECTION 21) — FOUND 3" BRASS DISK WITH PUNCH IN CASE AT THE INTERSECTION OF 204TH ST SW AND 60TH AVE W. ELEVATION = 370.23 FEET (NAVD 1988).

SITE BENCHMARK NO. 1: GOLDSMITH SURVEY CONTROL POINT SEH*1— SET PK NAIL WITH TAG 0.8 FEET NORTH OF FACE CURB ON NORTH SIDE 204TH ST SW AND 1.0 FEET WEST OF THE WEST EDGE OF CONCRETE TO APARTMENT #5827. ELEVATION = 380.34 FEET (SEE MAP FOR PLOTTED LOCATION).

SITE BENCHMARK NO. 2: FOUND REBAR AND CAP (LS#17667) AT THE SOUTHEAST PROPERTY CORNER. ELEVATION = 375.58 FEET. (SEE MAP FOR PLOTTED LOCATION).

COVER SHEET
FOR
CONVOY SUPPLY

A PORTION OF SEC. 21, TWP. 27 NORTH, RGE. 4 EAST, W.M.
CITY OF LYNNWOOD, SNOHOMISH COUNTY, WASHINGTON



VICINITY MAP
N.T.S.

SITE INFORMATION

TOTAL PROJECT AREA: 211,238 SF (4.84 AC)

EXISTING PROJECT SURFACE AREAS

TOTAL SITE AREA: 211,238 SF (4.84 AC)
TOTAL IMPERVIOUS: 116,794 SF (2.68 AC)
TOTAL PERVIOUS AREA: 94,444 SF (2.16 AC)

PROPOSED PROJECT SURFACE AREAS

TOTAL SITE AREA: 211,238 (4.84)
TOTAL IMPERVIOUS: 186,359 SF (4.27 AC)
TOTAL PERVIOUS AREA: 24,879 SF (0.57 AC)

ESTIMATED EARTHWORK QUANTITIES:

CUT: 545 CY

FILL: 685 CY

NET: 140 CY (FILL)

AREA TO BE DISTURBED = 1.78 AC

EARTHWORK QUANTITIES ARE APPROXIMATE AND HIGHLY DEPENDANT ON SOIL CONDITIONS ENCOUNTERED DURING CONSTRUCTION. CONTRACTOR SHOULD PERFORM INDEPENDENT ESTIMATE FOR BIDDING.

UTILITY CONFLICT NOTE:

CAUTION:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 811 AND THEN POTHOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT BARGHAUSEN CONSULTING ENGINEERS, INC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH

HORIZONTAL CONTROL NOTE:

CONTRACTOR SHALL HAVE ALL PROPERTY LINES, CURB, SIDEWALK, STRUCTURES, CONCRETE PADS AND ANY OTHER ABOVE GROUND PERMANENT STRUCTURE DEPICTED ON THESE PLANS STAKED FOR CONSTRUCTION BY A LICENSED SURVEYOR. LICENSED SURVEYOR SHALL STAKE ALL ITEMS USING COORDINATE GEOMETRY (RECTIFIED TO SITE CONTROL) CONTAINED IN CAD DRAWING FILES PROVIDED BY BARGHAUSEN CONSULTING ENGINEERS, INC. IT IS THE CONTRACTOR'S RESPONSIBILITY TO RETRIEVE LATEST CAD FILES FROM BARGHAUSEN CONSULTING ENGINEERS, INC., REFLECTING ANY ISSUED PLAN REVISIONS. BARGHAUSEN CONSULTING ENGINEERS SHALL IMMEDIATELY BE NOTIFIED OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.

ENGINEER

BARGHAUSEN CONSULTING ENGINEERS, INC.
18215 72ND AVE S
KENT WA, 98032
PH: (425) 251-6222
CONTACT: ZAYIN WALL, P.E.
EMAIL: ZWALL@BARGHAUSEN.COM

ARCHITECT

LANCE MUELLER & ASSOCIATES
130 LAKESIDE, SUITE 250
SEATTLE, WA 98122
CONTACT: ED MINSHULL
EMAIL: EDM@LMUELLER.COM

SURVEYOR

GOLDSMITH LAND DEVELOPMENT
1215 114TH AVE SE
BELLEVUE, WA 98004
PH: (253) 383-2422

OWNER

CONAX PROPERTIES USA, INC
5804 204TH STREET SW
LYNNWOOD, WA 98036
CONTACT: ED MINSHULL
CONTACT: HUSSAIN KHEATANI

CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR OBTAINING PERMITS FROM THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES FOR REMOVING AND REPLACING ALL SURVEY MONUMENTATION THAT MAY BE AFFECTED BY CONSTRUCTION ACTIVITY, PURSUANT TO WAC 332-120. APPLICATIONS MUST BE COMPLETED BY A REGISTERED LAND SURVEYOR. APPLICATIONS FOR PERMITS TO REMOVE MONUMENTS MAY BE OBTAINED FROM THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES, OR BY CONTACTING THEIR OFFICE BY TELEPHONE AT (206) 902-1190.

WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES
PUBLIC LAND SURVEY OFFICE
1111 WASHINGTON STREET S.E.
P.O. BOX 47060
OLYMPIA, WASHINGTON 98504-7060

UPON COMPLETION OF CONSTRUCTION, ALL MONUMENTS DISPLACED, REMOVED, OR DESTROYED SHALL BE REPLACED BY A REGISTERED LAND SURVEYOR, AT THE COST AND AT THE DIRECTION OF THE CONTRACTOR, PURSUANT TO THESE REGULATIONS. THE APPROPRIATE FORMS FOR REPLACEMENT OF SAID MONUMENTATION SHALL ALSO BE THE RESPONSIBILITY OF THE CONTRACTOR.

Revision

Appr.

By

Date

No.

Title:

COVER SHEET
FOR
CONVOY SUPPLY

CONVOY SUPPLY, INC
5804 204TH ST SW
LYNNWOOD, WA

For:



Scale:

Horizontal

Vertical

1"=40'

Designed

Drawn

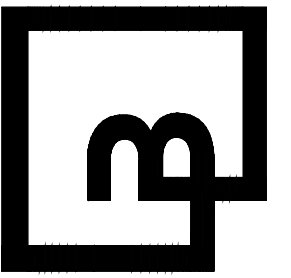
Checked

Approved

Date

6/6/22

Barghausen Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222
barghausen.com



Job Number

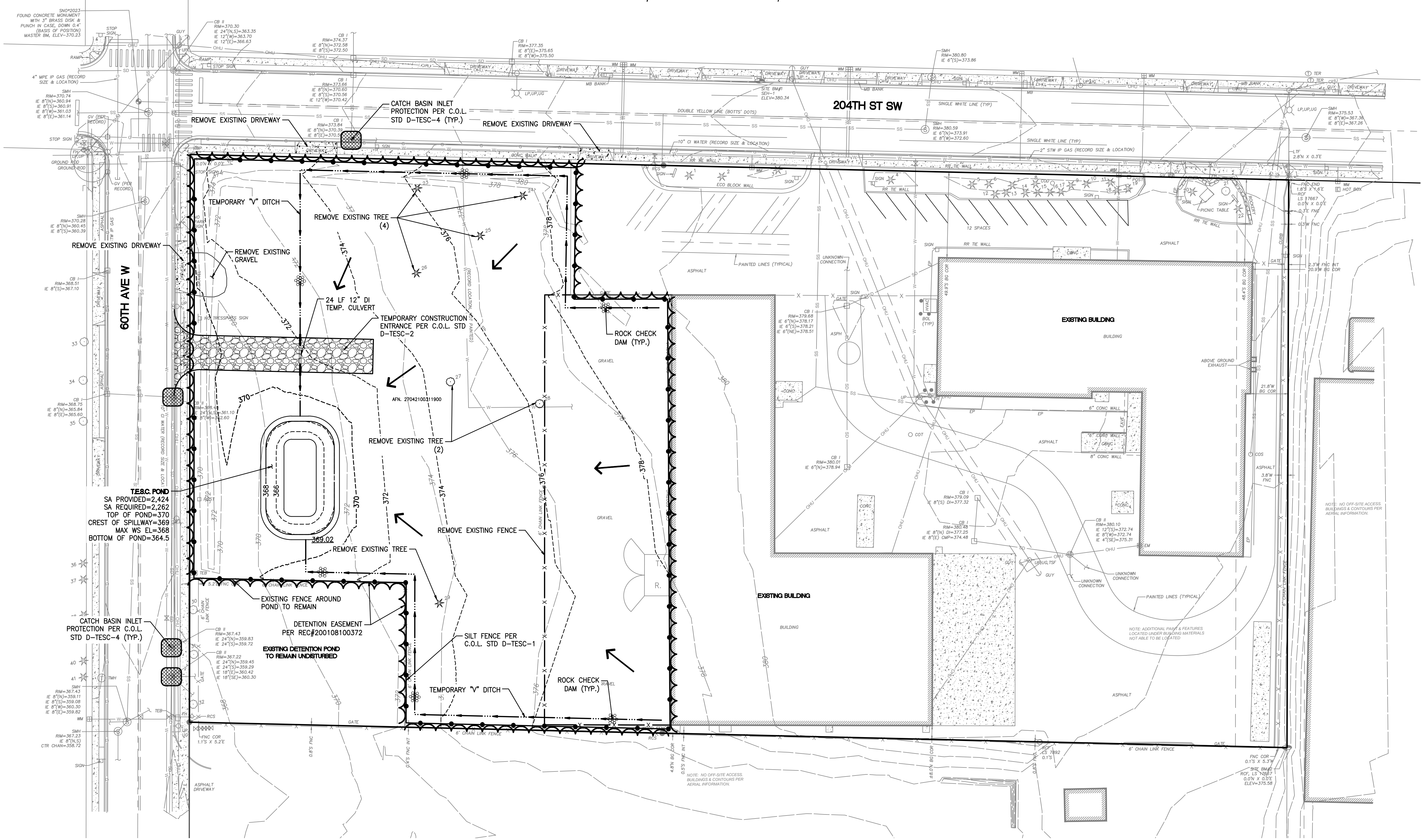
22422

Sheet

C1 of 6

DEMOLITION AND TESC PLAN
FOR
CONVOY SUPPLY

A PORTION OF SEC. 21, TWP. 27 NORTH, RGE. 4 EAST, W.M.
CITY OF LYNNWOOD, SNOHOMISH COUNTY, WASHINGTON



TESC POND
SA PROVIDED=2,424
SA REQUIRED=2,262
TOP OF POND=370
CREST OF SPILLWAY=369
MAX WS EL=368
BOTTOM OF POND=364.5

CATCH BASIN INLET
PROTECTION PER C.O.L.
STD D-TESC-4 (TYP.)

DETENTION EASEMENT
PER REC#200108100372
EXISTING DETENTION POND
TO REMAIN UNDISTURBED

SILT FENCE PER
C.O.L. STD D-TESC-1

TEMPORARY V DITCH

ROCK CHECK DAM (TYP.)

T.E.S.C. LEGEND

DESCRIPTION	PROPOSED
LIMITS OF CLEARING	
FILTER FABRIC FENCE	
TEMPORARY CONSTRUCTION ENTRANCE	
FLOW ARROW	
TEMPORARY DRAINAGE DITCH	
ROCK CHECK DAM	
CATCH BASIN PROTECTION	

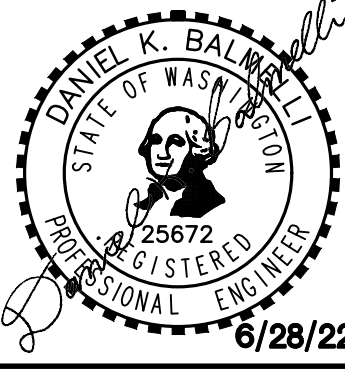
No.	Date	By	Ckd.	Appr.	Revision
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Title:

DEMOLITION AND TESC PLAN
FOR
CONVOY SUPPLY

For:

CONVOY SUPPLY, INC
5804 204TH ST SW
LYNNWOOD, WA



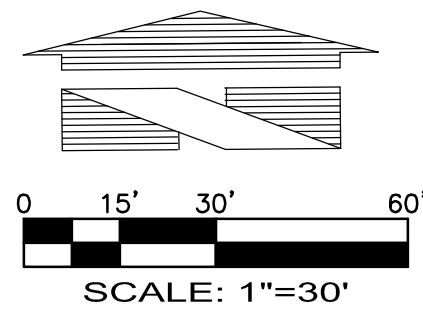
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		Approved DKB
		Date 6/6/22

Barghausen
Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222
barghausen.com

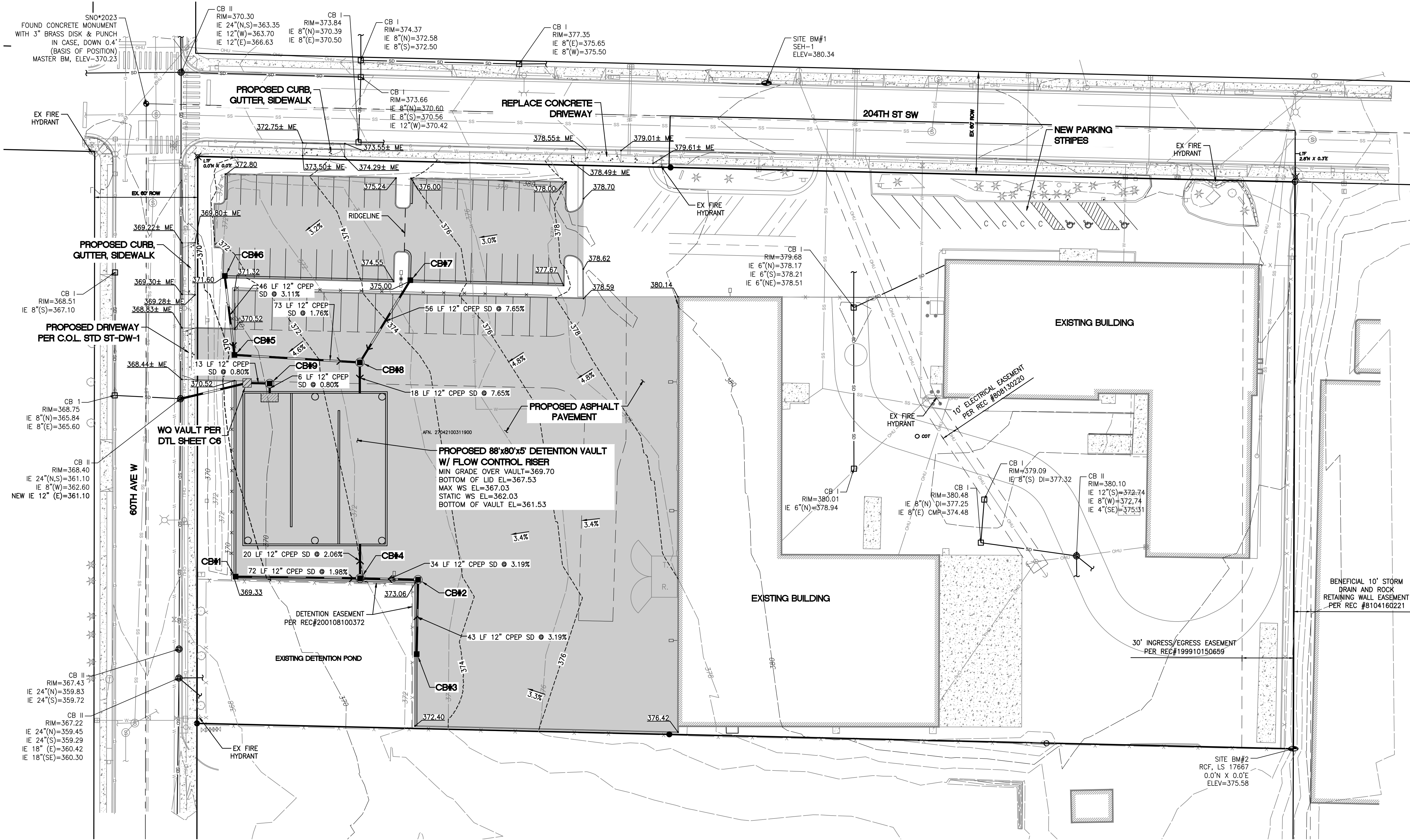
Job Number	22422
Sheet	C2 of 6

GRADING AND DRAINAGE PLAN
FOR
CONVOY SUPPLY

A PORTION OF SEC. 21, TWP. 27 NORTH, RGE. 4 EAST, W.M.
CITY OF LYNNWOOD, SNOHOMISH COUNTY, WASHINGTON



CATCH BASINS
CB#1, TYPE 1 W/STANDARD GRATE RIM=369.37 IE=366.37 (12" E)
CB#2, TYPE 2 RIM=373.12 IE=366.02 (12" S) IE=366.02 (12" W)
CB#3, TYPE 1 W/STANDARD GRATE RIM=372.40 IE=367.40 (12" N)
CB#4, TYPE 2 RIM=371.93 IE=364.94 (12" W) IE=364.94 (12" E) IE=364.94 (12" S)
CB#5, TYPE 1 W/STANDARD GRATE RIM=370.20 IE=367.20 (12" N) IE=367.20 (12" E)
CB#6, TYPE 1 W/STANDARD GRATE RIM=371.64 IE=368.64 (12" S)
CB#7, TYPE 1 W/STANDARD GRATE RIM=375.03 IE=370.20 (12" SW)
CB#8, TYPE 2 RIM=372.77 IE=365.91 (12" W) IE=365.91 (12" NE) IE=365.91 (12" S)
CB#9, TYPE 2 RIM=370.99 IE=361.98 (12" S) IE=361.98 (12" W)
WQ VAULT, RIM=370.63 IE=361.88 (12" E) IE=361.38 (12" W)

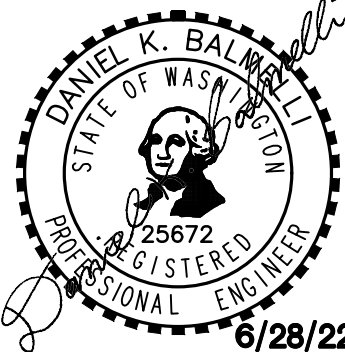


No.	Date	By	Appr.	Revision

GRADING AND DRAINAGE PLAN
FOR
CONVOY SUPPLY

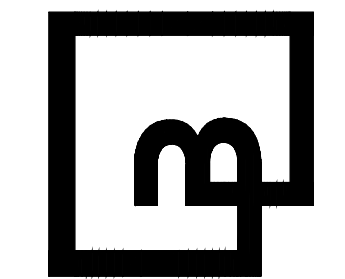
CONVOY SUPPLY, INC
5804 204TH ST SW
LYNNWOOD, WA

For:



Scale:	JRM
Horizontal	JRM
1"=30'	ZTW
Vertical	DKB
—	6/6/22

Barghausen
Consulting Engineers, Inc.
18215 72nd Avenue South
Kent, WA 98032
425.251.6222
barghausen.com



CONSTRUCTION NOTES AND DETAILS
FOR
CONVOY SUPPLY

A PORTION OF SEC. 21, TWP. 27 NORTH, RGE. 4 EAST, W.M.
CITY OF LYNNWOOD, SNOHOMISH COUNTY, WASHINGTON

GENERAL NOTES

- ALL WORK AND MATERIALS SHALL BE ACCORDING THE LATEST ADDITION OF "STANDARD SPECIFICATIONS FOR MUNICIPAL PUBLIC WORKS CONSTRUCTION" PREPARED BY WASHINGTON STATE CHAPTER, AMERICAN PUBLIC WORKS ASSOCIATION (APWA), WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT), CITY OF LYNNWOOD, STANDARD PLANS AND PLAN NOTES, SPECIFICATIONS, ANY CONDITIONS OF APPROVAL AND AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE APPLICANT AND THE PROFESSIONAL ENGINEER OF RECORD TO CORRECT AND ERROR, OMISSIONS, OR VARIATION FROM THE ABOVE REQUIREMENTS FOUND IN THESE PLANS. ALL CORRECTIONS SHALL BE AT NO ADDITIONAL COST OR LIABILITY TO THE CITY OF LYNNWOOD.
- ALL CONSTRUCTION IS SUBJECT TO INSPECTION BY THE CITY OF LYNNWOOD. THE CONTRACTOR SHALL NOTIFY THE CITY OF THEIR SCHEDULE IN SUFFICIENT TIME TO PERMIT INSPECTION PRIOR TO AND DURING WORK. FOR ONLINE INSPECTION REQUESTS AND MANAGING YOUR PERMITS GO TO [HTTP://DBS.LYNNWOODWA.GOV](http://DBS.LYNNWOODWA.GOV) AND REGISTER YOUR ACCOUNT.
- BEFORE ISSUANCE OF PERMITS, CONSTRUCTION OR ANY DEVELOPMENT ACTIVITY, A PRECONSTRUCTION MEETING IS REQUIRED BETWEEN THE CITY OF LYNNWOOD INSPECTOR, THE APPLICANT AND THE APPLICANT'S CONSTRUCTION REPRESENTATIVES.
- ALL WORK WITHIN THE SITE AND CITY OF LYNNWOOD RIGHT OF WAY SHALL BE SUBJECT TO INSPECTION BY THE CITY INSPECTOR. ALL INSPECTION REQUESTS MUST BE SUBMITTED BY 4:00 PM AT LEAST ONE BUSINESS DAY PRIOR.
- CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE DEVELOPER'S ENGINEER AND PERMITTING AGENCY AND SHALL BE RESOLVED PRIOR TO PROCEEDING WITH CONSTRUCTION.
- WORK NOT READY FOR A REQUESTED INSPECTION UPON THE ARRIVAL OF THE CITY OF LYNNWOOD INSPECTOR MUST BE RESCHEDULED FOR INSPECTION AND A RE-INSPECTION FEE MAY BE IMPOSED.
- THE CONTRACTOR SHALL KEEP A PLAN SET ON SITE AT ALL TIMES FOR RECORDING "AS-BUILT" INFORMATION. A SURVEY SHALL BE PROVIDED AS NECESSARY TO CONFIRM ELEVATIONS, INVERTS, GRADES FOR UTILITY INFRASTRUCTURE AND ADA ACCESSIBLE ROUTES.
- THE CITY OF LYNNWOOD SHALL BE PROVIDED AN "AS-BUILT" PLAN SET AT THE COMPLETION OF CONSTRUCTION STAMPED AND SIGNED BY A LICENSED SURVEYOR AND/OR THE DESIGN ENGINEER, VERIFYING THE INFORMATION AS PROVIDED BY THE CONTRACTOR AND/OR THE SURVEYOR UPON COMPLETION OF THE PROJECT. THE AS-BUILT PLAN SET SHALL BE PROVIDED IN ELECTRONIC PDF FORMAT.
- THE LOCATION OF UTILITIES IS APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. UTILITIES SHOWN HERE ARE FOR THE PURPOSE OF ASSISTING THE CONTRACTOR IN LOCATING SAID UTILITIES. THE CONTRACTOR SHALL CONTACT THE UNDERGROUND UTILITIES LOCATION CENTER (1-800-424-5555 OR 811) 48 HOURS MINIMUM PRIOR TO THE BEGINNING OF CONSTRUCTION TO REQUEST UTILITY LOCATIONS. CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND SHALL BE RESOLVED PRIOR TO PROCEEDING WITH CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL APPLICABLE PERMITS AND EASEMENTS AS REQUIRED BY THE CITY OF LYNNWOOD DEVELOPMENT ENGINEERING DEPARTMENT.
- CONSTRUCTION NOISE SHALL BE LIMITED AS PER LYNNWOOD MUNICIPAL CODE (SECTION 10.12.300) FROM 7AM TO 6PM (M-F). WEEKEND WORK PROHIBITED UNLESS APPROVED PER LMC12.300.
- DATUM SHALL BE CITY OF LYNNWOOD (NAV088) UNLESS OTHERWISE APPROVED BY DEVELOPMENT ENGINEERING. THE BENCHMARK SHALL TIE TO THE CITY OF LYNNWOOD BENCHMARK LIST.
- APPROVAL MUST BE OBTAINED FROM THE CITY OF LYNNWOOD DEPARTMENT OF DEVELOPMENT ENGINEERING BEFORE ANY STRUCTURES, FILL OR OBSTRUCTIONS, INCLUDING FENCES, ARE LOCATED WITHIN ANY DRAINAGE EASEMENT, FLOOD PLAN OR NATIVE GROWTH PROTECTION EASEMENT. STRUCTURES SHALL NOT BE PERMITTED WITHIN 15 FEET OF THE TOP OF BANK OF ANY CHANNEL OR POND (LMC13.40.070).
- WHERE CONSTRUCTION IS CARRIED OUT IN AREAS NOT SPECIFIED ON THE PLANS AND WHICH HAVE EXISTING IMPROVEMENTS, APPROPRIATE MEASURES SHALL BE TAKEN TO RESTORE SUCH AREAS TO CONDITIONS EXISTING PRIOR TO CONSTRUCTION OR AS REQUIRED BY THE CITY OF LYNNWOOD DEPARTMENT OF DEVELOPMENT ENGINEERING.
- OFF SITE PREMISE STAGING OR STORAGE AREAS SHALL REQUIRE A WRITTEN RELEASE FROM THE AFFECTED PROPERTY OWNER. IN ADDITION, A RELEASE FROM THE CITY SHALL BE REQUIRED DESIGNATING THAT DAMAGE TO CITY PROPERTY IS NEGLIGIBLE OR NON-EXISTENT.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE SAFETY OF EMPLOYEES ON THE PROJECT AND SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF FEDERAL, STATE, AND MUNICIPAL SAFETY LAWS AND BUILDING CODES. THE CONTRACTOR SHALL ERECT AND PROPERLY MAINTAIN, AT ALL TIMES, AS REQUIRED BY THE CONDITIONS AND PROGRESS OF THE WORK, ALL NECESSARY SAFEGUARDS FOR PROTECTION OF WORKERS AND THE PUBLIC; SHALL POST DANGER SIGNS WARNING AGAINST KNOWN OR UNUSUAL HAZARDS; AN SHALL DESIGNATE A RESPONSIBLE MEMBER OF THEIR ORGANIZATION ON THE CONSTRUCTION SITE WHOSE DUTY SHALL BE THE PREVENTION OF ACCIDENTS.
- THE DEVELOPER SHALL PROVIDE STREET NAME AND TRAFFIC CONTROL SIGNS (E.G. STOP OR DEAD END). ALL TRAFFIC MARKINGS AND SIGNAGE TO BE PER THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND CITY OF LYNNWOOD CURRENT STANDARDS. SIGNS ARE TO BE INSTALLED BY THE DEVELOPER PRIOR TO ANY BUILDING CONSTRUCTION WITHIN THE PROJECT SITE.
- TRAFFIC CONTROL SHALL STRICTLY ADHERE TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) STANDARDS. TRAFFIC CONTROL PLANS (TCP) SHALL BE APPROVED PRIOR TO ISSUANCE OF A ROW PERMIT. THE PRE-CONSTRUCTION MEETING MAY BE DELAYED IF TCP APPROVAL HAS NOT BEEN ISSUED. CITY OF LYNNWOOD RESERVES THE RIGHT TO CANCEL ACTIVE ROW PERMITS IF TRAFFIC CONTROL PLANS ARE ALTERED AFTER APPROVAL. NO FULL ROAD CLOSURES WILL BE ALLOWED UNLESS APPROVED BY THE PUBLIC WORKS DIRECTOR. PEDESTRIAN TRAFFIC CONTROL PLANS ARE PREFERRED BUT IF PEDESTRIAN TRAFFIC CONTROL PLANS ARE NOT USED WHEN PEDESTRIAN TRAFFIC WILL BE ACCOMMODATED AROUND WORKS ZONE. THIS WILL REQUIRE AN ON-SITE TCS TO ASSIST WITH PEDESTRIAN MOVEMENTS. ALL PEDESTRIAN TEMPORARY PATHS SHALL MEET AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS.
- UPON COMPLETION OF THE PRE-CONSTRUCTION MEETING THE CONTRACTOR SHALL SUBMIT FOR APPROVAL, HAUL ROUTES FOR EARTHWORK AND CONSTRUCTION MATERIALS DELIVERY TRAFFIC TO THE CITY. THE CITY MAY REQUIRE REVISION OF THE ROUTE DURING THE PROJECT TO MITIGATE FOR UNFORESEEN PROBLEMS.

ES&C NOTES

- REFER TO GENERAL PLAN NOTES FOR ADDITIONAL REQUIREMENTS.
- APPROVAL OF THIS EROSION/SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G. SIZE AND LOCATION OF ROADS, PIPES, RESTRICTIONS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.)
- THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADE OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED, AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED.
- THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN (INCLUDING INDIVIDUAL TREES TO BE SAVED) SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE APPLICANT/CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
- THE ESC FACILITIES SHOWN ON THIS PLAN SHALL NOT BE CONSTRUCTED AS OUTLINED ON THE TYPICAL CONSTRUCTION SEQUENCE AND IN SUCH A MANNER AS TO INSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS.
- THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED (E.G. ADDITIONAL SUMPS, RELOCATION OF DITCHES AND SILT FENCES, ETC.) AS NEEDED FOR UNEXPECTED STORM EVENTS.
- CONSTRUCTION ACCESS TO THE SITE SHALL BE ONLY AS SHOWN ON THE APPROVED PLANS. ALL VEHICLES LEAVING THE SITE, ONTO PUBLIC RIGHTS OF WAY, SHALL BE CLEANED TO PREVENT "TRACKING" OF MUD, DIRT OR OTHER DEBRIS.
- THE CONTRACTOR SHALL CLEAN ACCESS STREETS AND RIGHT-OF-WAY USING ONLY VACUUM SWEEPERS AT LEAST DAILY OR MORE FREQUENTLY AS MAY BE NECESSARY AND SO DIRECTED BY THE CITY.
- CLEAN OR REMOVE AND REPLACE INLET PROTECTION DEVICES WHEN SEDIMENT HAS FILLED ONE THIRD OF THE AVAILABLE STORAGE. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.
- STOCKPILES ARE TO BE LOCATED IN SAFE AREAS AND ADEQUATELY PROTECTED BY TEMPORARY SECURED PLASTIC COVER, SEEDING OR MULCHING. HYDROSEEDING IS PREFERRED.
- WHERE STRAW MULCH FOR TEMPORARY EROSION CONTROL IS REQUIRED, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF TWO INCHES.
- ANY AREA STRIPPED OF VEGETATION, INCLUDING ROADWAY EMBANKMENTS, WHERE NO FURTHER WORK IS ANTICIPATED FOR A PERIOD OF 2 DAYS DURING THE WET SEASON OR 7 DAYS DURING THE DRY, SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED ESC METHODS (E.G. SEEDING, MULCHING, NETTING, EROSION BLANKETS, ETC.).
- VEGETATION SHALL BE ESTABLISHED ON AREAS DISTURBED OR ON AREAS OF CONSTRUCTION AS NECESSARY TO MINIMIZE EROSION. AREAS TO BE ROUGH GRADED WITH FINISHED GRADING TO FOLLOW NEAR PROJECT COMPLETION ARE TO BE SEEDDED WITH ANNUAL, PERENNIAL OR HYBRID RYE GRASS. THIS ALSO INCLUDES PERIMETER DIKES AND THE SEDIMENT BASIN EMBANKMENT. HYDROSEEDING IS PREFERRED.
- IMMEDIATELY FOLLOWING FINISHED GRADING, PERMANENT VEGETATION SHALL BE APPLIED AS APPROVED PER THE APPROVED PLANS, CURRENT WSDOT STANDARDS AND SPECIFICATIONS AND THE CITY OF LYNNWOOD REQUIREMENTS.
- ADDITIONAL BMP'S MAY BE REQUIRED AT ANY TIME DURING CONSTRUCTION.

GRADING NOTES

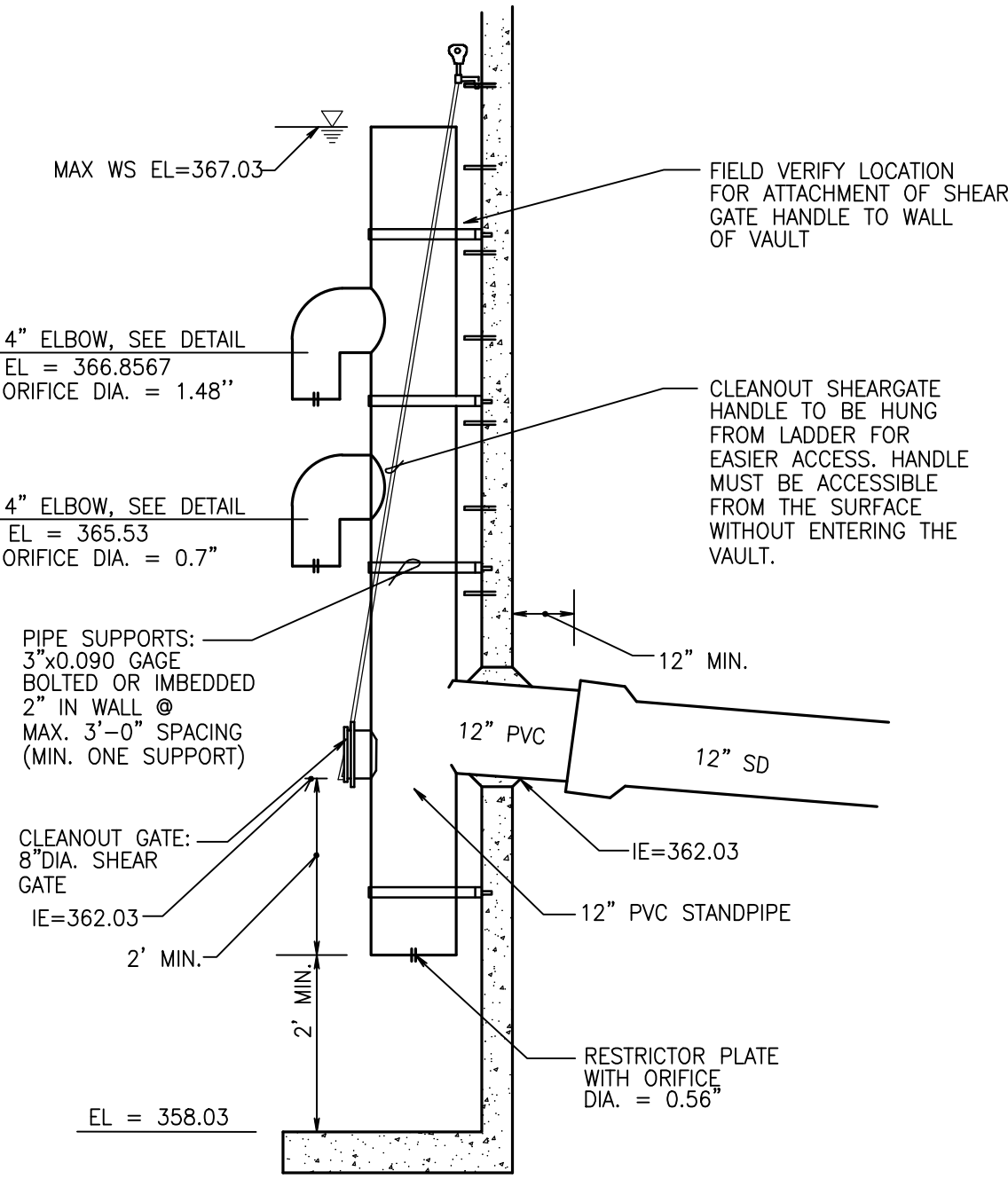
- REFER TO GENERAL PLAN NOTES FOR FURTHER REQUIREMENTS.
- GRADING SHALL NOT RESULT IN ANY ADDITIONAL WATER TO ADJOINING PROPERTY. IF ADDITIONAL WATER DOES RESULT, THE APPLICANT WILL SUBMIT A PLAN OF CORRECTIVE ACTION FOR CITY APPROVAL AND WILL COMMENCE WITH THAT ACTION IMMEDIATELY UPON NOTICE FROM CITY.
- THE CONTRACTOR SHALL OBTAIN APPROVAL FOR ALL FILL AND ROAD CONSTRUCTION MATERIAL WITHIN THE CITY OF LYNNWOOD RIGHT OF WAY FROM THE CITY OF LYNNWOOD DEVELOPMENT ENGINEERING PRIOR TO ITS USE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND REPAIRING EXISTING IMPROVEMENTS, AS REQUIRED, UNTIL CONSTRUCTION IS APPROVED BY THE CITY OF LYNNWOOD DEVELOPMENT ENGINEERING.
- THE CITY SHALL VERIFY AND APPROVE ALL BACKFILL TRENCHES AND ROADWAY SUBGRADE PRIOR TO PAVING. THE CITY OF LYNNWOOD IS TO BE PROVIDED WITH THE DENSITY REPORT FROM A CERTIFIED "TESTING LAB" SHOWING SATISFACTORY COMPACTION PER WSDOT 2-06.3(14)D. ALL SUBGRADE PREPARATORY REQUIREMENTS SHALL CONFORM TO SECTION 2-06 OF THE WASHINGTON STATE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION.
- A PRECONSTRUCTION SOILS INVESTIGATION SHALL BE REQUIRED AS NEEDED TO EVALUATE SOILS STABILITY.
- THE MAXIMUM CUT/FILL SLOPE SHALL NOT EXCEED TWO FEET HORIZONTAL TO ONE FOOT VERTICAL UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF DEVELOPMENT ENGINEERING. AT NO TIME SHALL THE TOE OF ANY FILL SLOPE BE NEARER TO THE PROPERTY LINE THAN 1/2 THE FILL HEIGHT WITH A MINIMUM OF 2 FEET. CUT SLOPES SHALL NOT BE NEARER TO A PROPERTY LINE THAN 1/5 THE HEIGHT OF THE CUT WITH A MINIMUM OF 2 FEET.
- ALL RETAINING STRUCTURES FOUR (4) FEET IN HEIGHT OR CARRYING A SURCHARGE SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER EXPERIENCED IN SOILS MECHANICS.
- A PERFORMANCE BOND IS REQUIRED FOR CONCURRENTLY REVIEWED EARLY GRADE PERMITS. THE BOND SHALL BE RECEIVED PRIOR TO THE ISSUANCE OF THE EARLY GRADE PERMIT AND SHALL NOT BE RELEASED UNTIL APPROVED BY THE CITY OF LYNNWOOD DEVELOPMENT ENGINEERING.
- ALL NATIVE GROWTH PROTECTION AREAS SHALL BE LEFT IN A SUBSTANTIALLY NATURAL STATE. NO CLEARING, GRADING, FILLING, BUILDING CONSTRUCTION OR PLACEMENT, FENCE CONSTRUCTION, OR ROAD CONSTRUCTION OF ANY KIND SHALL OCCUR WITHIN THESE AREAS, PROVIDED THAT UNDERGROUND UTILITY LINES AND DRAINAGE DISCHARGE SWALES MAY CROSS SUCH AREAS UTILIZING THE SHORTEST ALIGNMENT POSSIBLE IF, AND ONLY IF, NO FEASIBLE ALIGNMENT IS AVAILABLE WHICH WOULD AVOID SUCH A CROSSING. REMOVAL OF VEGETATION BY THE PROPERTY OWNER SHALL BE LIMITED TO THAT WHICH IS DEAD, DISEASED OR HAZARDOUS, AND THEN ONLY WITH THE PERMISSION OF THE CITY OF LYNNWOOD DEVELOPMENT ENGINEERING.
- SPECIAL INSPECTION BY AN APPROVED GEOTECHNICAL FIRM IS REQUIRED AS DIRECTED BY THE CITY OF LYNNWOOD DEVELOPMENT ENGINEERING. INSPECTION REPORTS SHALL BE SUBMITTED TO THE CITY OF LYNNWOOD FOR REVIEW, COMMENT, AND APPROVAL PRIOR TO DEVELOPMENT ENGINEERING FINAL APPROVAL OF THE WORK

WATER NOTES

- REFER TO GENERAL PLAN NOTES FOR ADDITIONAL REQUIREMENTS.
- ALL TAPS AND INSERTION VALVE INSTALLATIONS SHALL BE PERFORMED BY CITY APPROVED TAPPING CONTRACTORS.
- THE CONTRACTOR SHALL PROVIDE AT LEAST SEVEN (7) BUSINESS DAYS PRIOR NOTICE TO THE CITY OF UTILITY DISRUPTIONS AND SHALL COORDINATE WITH THE CITY INSPECTOR SO AS TO MINIMIZE SERVICE OUTAGES. PROPOSED SHUTDOWN DATES ARE NOT GUARANTEED AND SUBJECT TO CHANGE.
- ALL WATER MAINS SHALL BE PRESSURE TESTED AND DISINFECTED IN ACCORDANCE WITH THE MOST CURRENT ADDITION OF THE WASHINGTON STATE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, NFPA 24, AWWA C651 AND THE CITY OF LYNNWOOD REQUIREMENTS. ALL PRESSURE TESTING SHALL BE DONE IN THE PRESENCE OF A REPRESENTATIVE OF THE CITY OF LYNNWOOD. ALL MAINS SHALL BE STERILIZED AND FLUSHED PRIOR TO PLACING LINES INTO SERVICES. THE MAIN SHALL BE INSPECTED BY THE CITY OF LYNNWOOD DEVELOPMENT ENGINEERING INSPECTOR PRIOR TO BACKFILL. HYDRANT RUNS AND MAINS 20 FEET OR LESS MAY BE DISINFECTED BY SWAB IN ACCORDANCE WITH AWWA C651-14 SECTION 4.10. SAMPLES SHALL BE TAKEN BY A CITY OF LYNNWOOD INSPECTOR EVERY 1000 LINEAR FEET OF MAIN AND ANY HYDRANT RUNS LONGER THAN 20 FEET. A DIFFUSER AND DICHLORINATOR TABLETS SHALL BE USED FOR ALL FLUSHING OPERATIONS. IF A FLUSHING OPERATION INTENDS TO DISCHARGE TO SANITARY SEWER A LIMITED DISCHARGE PERMIT IS REQUIRED.
- DUCTILE IRON PIPE SHALL BE NEW, CLASS 52, CEMENT-MORTAR LINED, CENTRIFUGALLY CAST PIPE CONFORMING TO THE REQUIREMENTS OF AWWA C-151 AND WSDOT STANDARD SPEC. 9.30.1(1). NON RESTRAINED JOINTS SHALL BE RUBBER GASKET, PUSH ON TYPE, OR MECHANICAL TYPE MEETING THE REQUIREMENTS OF AWWA C111. RESTRAINED JOINTS SHALL BE AS SPECIFIED IN SECTION 9-30.2(6) OF WASHINGTON STATE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION. ALL PIPES SHALL BE CLEARLY MARKED WITH THE MANUFACTURER'S NAME, TYPE, CLASS AND THICKNESS AS APPLICABLE. ALL FITTINGS SHALL BE PER WSDOT STANDARD SPECIFICATION 9-30.2 AND 9-30.2(1).
- ALL FITTINGS SHALL BE SHORT-BODIED, DUCTILE IRON COMPLYING WITH APPLICABLE ANSI/AWWA C110/A21.10 OR C153/A21.53 STANDARDS FOR 350 PSI WORKING PRESSURE. RATING FOR MECHANICAL JOINT FITTINGS AND 250PSI WORKING PRESSURE RATING FOR FLANGED FITTINGS. ALL FITTINGS SHALL BE CEMENT MORTAR LINED AND EITHER MECHANICAL JOINT OR FLANGED, AS INDICATED ON THE CONSTRUCTION DRAWINGS.
- FITTINGS SHOWN ON THE CONSTRUCTION DRAWINGS FOR RESTRAINED JOINTS SHALL BE EITHER FLANGED OR MECHANICAL JOINT FITTINGS WITH A MECHANICAL JOINT RESTRAINT DEVICE. THE MECHANICAL JOINT RESTRAINT DEVICE SHALL HAVE A WORKING PRESSURE OF AT LEAST 250 PSI WITH A MINIMUM SAFETY FACTOR OF 2:1 AND SHALL BE EBAA IRON, INC. MEGALUG, FORD UNI-FLANGE (1400), ROMAC ROMAGRIP RESTRAINT STARGRIP 3000 OR APPROVED EQUAL. ALL COUPLINGS SHALL BE DUCTILE IRON MECHANICAL JOINT SLEEVES.
- ALL GATE VALVES SHALL CONFORM TO ANSI/AWWA C509 OR C515 STANDARDS FOR RESILIENT SEATED DISC GATEVALVES. THE VALVE SEATING SHALL BE OF THE RESILIENT WEDGE R/W TYPE ONLY. THE VALVES SHALL BE IRON-BODIED, IRON DISK ENCAPSULATED WITH RUBBER AND BRONZE OR EPOXY COATED, NON-RISING STEM WITH "O" RING SEALS. THE SEALING RUBBER SHALL BE PERMANENTLY BONDED TO THE DISK TO MEET ASTM TESTS FOR RUBBER TO METAL BOND. ALL VALVES SHALL BE TESTED FOR LEAKS.
- CONCRETE THRUST BLOCKING SHALL BE PLACED AT ALL BENDS, TEES, DEAD ENDS, CROSSES AND AS DESIGNATED BY THE DEVELOPMENT ENGINEERING DIRECTOR. BLOCKING SHALL BE CLASS 3000 CONCRETE MIX OR AS APPROVED, POURED IN PLACE AND CURED AGAINST APPROVED FORMS AND NATIVE CUT SLOPES. ALL BLOCKING SHALL BE INSPECTED AND APPROVED PRIOR TO BACKFILL. THRUST BLOCKING SHALL BE IN PLACE FOR AT LEAST 12 HOURS BEFORE PRESSURE TESTING.
- FIRE HYDRANTS SHALL CONFORM TO 9-30.5 OF THE MOST CURRENT ADDITION OF WASHINGTON STATE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, AWWA C502, AWWA 110, AWWA C111, NFPA 24 AND APPLICABLE CITY OF LYNNWOOD SPECIFICATIONS AND STANDARDS.
- HYDRANT CONNECTION PIPES SHALL BE 6 INCH INSIDE DIAMETER WITH 6-INCH AUXILIARY GATE VALVE. BARRELS SHALL HAVE A 7-INCH MINIMUM INSIDE DIAMETER. VALVE OPENINGS SHALL BE 5- 3/4 INCH MINIMUM DIAMETER. HYDRANTS SHALL HAVE TWO, 2- 1/4 INCH HOSE PORTS AND ONE NATIONAL STANDARD THREAD W/4-INCH STORZ ADAPTOR AND CAP ON THE 4-1/2 INCH PORT. RETAINER GLANDS TO BE MEGALUG OR APPROVED EQUIVALENT. 1/2 CUBIC YARDS OF 3/4-INCH TO 1-1/2 INCH DRAIN ROCK REQUIRED. TWO COATS OF "RUST-OLEUM" HIGH GLOSS CATERPILLAR YELLOW REQUIRED OR ACCEPTABLE ALTERNATIVE.
- ALL HYDRANTS SHALL BE MUELLER SUPER CENTURION 200 A 423; OR AMERICAN DARLING B62B PER CITY OF LYNNWOOD STD. 5-7.
- FIRE SUPPRESSION LINE CONNECTIONS ON DOMESTIC SERVICE LINES ARE NOT ALLOWED. FIRE MAINS SHALL BE FLUSHED FOR A MINIMUM OF 15 MINUTES AT SCOURING VELOCITIES THROUGH A BURLAP SACK. IF DEBRIS IS DETECTED IN THE BAG, ADDITIONAL TEST(S) SHALL BE PERFORMED UNTIL THE DEBRIS HAS BEEN CLEARED FROM THE FIRE LINE.
- 2 INCH AND SMALLER WATER SERVICE(S) WITHIN CITY OF LYNNWOOD RIGHT OF WAY AND ON PRIVATE PROPERTY SHALL BE INSTALLED PER WSDOT STANDARD SPECIFICATION 9-30.6. THE APPROVED PLANS AND CITY OF LYNNWOOD STANDARDS 5-1 & 5-2, UNLESS SPECIFIED, SHALL BE INSTALLED BY A CITY OF LYNNWOOD APPROVED CONTRACTOR AND AT THE DEVELOPER'S EXPENSE. ALL 3 INCH AND LARGER SERVICES ARE ALWAYS INSTALLED BY THE DEVELOPER AT NO EXPENSE TO THE CITY OF LYNNWOOD. THE 3 INCH AND LARGER SERVICES SHALL BE INSTALLED PER THE APPROVED PLANS, WSDOT SPECIFICATIONS AND CITY OF LYNNWOOD STANDARD 5-3.
- VALVE BOXES SHALL BE INSTALLED ON ALL BURIED VALVES. THE BOX SHALL BE OF CAST IRON, TWO-PIECE SLIP TYPE STANDARD DESIGN WITH A BASE CORRESPONDING TO THE SIZE OF THE VALVE. THE BOX SHALL BE COAL-TAR PAINTED BY THE MANUFACTURER USING THE STANDARD. THE COVER SHALL HAVE THE WORD "WATER" CAST IN IT. VALVE BOXES SHALL CONFORM TO WSDOT SPEC. 9-30.3(4) AND LYNNWOOD STANDARD 5-4.
- BEDDING FOR PIPE SHALL BE PER WSDOT STANDARD PLAN NO. B-11. BACKFILL SHALL BE PLACED PER SECTION 7-10 OF THE WASHINGTON STATE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, APPROVED PLANS AND CITY OF LYNNWOOD SPECIFICATIONS AND STANDARDS.
- ALL WATER MAINS TO MAINTAIN A MINIMUM COVER OF 36 INCHES BELOW FINISH GRADE. 12 INCHES MINIMUM SEPARATION IS REQUIRED BETWEEN UTILITIES CROSSING PERPENDICULARLY, (18 INCHES FOR SANITARY SEWER), AT NO POINT SHOULD THESE DEPTHS EXCEED 6 FEET EXCEPT WHEN SPECIFICALLY APPROVED ON THE PLANS OR BY THE CITY INSPECTOR.
- EXISTING WATER SERVICE LINES BETWEEN THE METER SETTER AND THE POINT OF CONNECTION THAT WILL BE REUSED FOR NEW CONSTRUCTION SHALL BE TYPE K COPPER PIPE OR AS APPROVED BY THE CITY.
- ALL DEAD ENDS ON NEW MAINS SHALL BE CLOSED WITH TYTON PLUGS OR DEAD-END MJ CAPS WITH A BLOW-OFF OR FIRE HYDRANT ASSEMBLY AS SHOWN ON THE CONSTRUCTION DRAWINGS.
- IN-LINE VALVE SPACING SHALL NOT EXCEED 1000 FEET.
- A REINFORCED CONCRETE MARKER POST SHALL BE FURNISHED AND INSTALLED WITH EACH VALVE THAT IS NOT LOCATED WITHIN A PAVED AREA. VALVES MUST HAVE A 3X3 CONCRETE PAD OR A 36" DIAMETER CIRCULAR PAD AROUND THEM IN NON-PAVED AREAS.
- ALL PIPE IS TO BE LAID AT TRUE LINE AND GRADE UNLESS OTHERWISE APPROVED BY THE CITY OF LYNNWOOD. AT NO TIME SHALL THE MAXIMUM PIPE DEFLECTION EXCEED THE MANUFACTURE'S REQUIREMENTS. THE MAXIMUM PERMISSIBLE DEFLECTION PER STICK IS AS FOLLOWS:

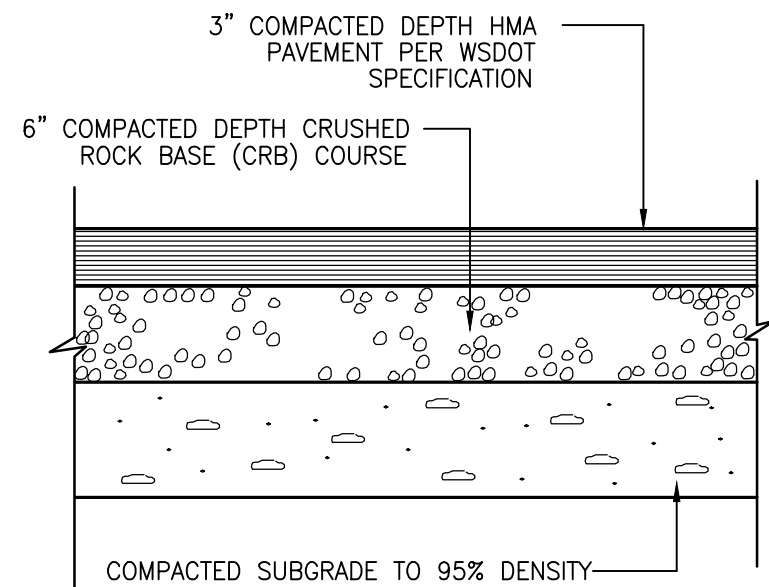
PIPE DIAMETER	MAX DEFLECTION PER 18 FEET
4"	21"
6"	19"
8"	19"
10"	19"
12"	19"

- FREQUENCY OF TESTING
 - HORIZONTALLY: MINIMUM OF TWO LOCATIONS EVERY 200 FEET OF TRENCH, OR A MINIMUM OF TWO LOCATIONS PER DAY OR A MINIMUM OF 2 LOCATIONS PER PIPE RUN BETWEEN MANHOLE AND/OR VALVES WHICHEVER IS MORE FREQUENT SHALL APPLY. ADDITIONAL TESTS MAY BE REQUIRED WHEN VARIATIONS OCCUR DUE TO THE CONTRACTORS OPERATIONS, WEATHER CONDITIONS, SITE CONDITIONS, ETC.
 - VERTICAL TESTING SHALL USE THE DEEPEST PORTION OF THE TRENCH LINE TO DETERMINE MINIMUM TESTING DEPTHS AS FOLLOWS.
 - FOR TRENCHES 12- FEET AND UNDER, COMPLETE A MINIMUM OF ONE TEST AT APPROXIMATELY ONE HALF OF THE TRENCH DEPTH AND AN ADDITIONAL TEST AT OR NEAR THE SURFACE.
 - FOR TRENCHES 12- FEET TO 16- FEET DEEP, COMPLETE TESTS AT APPROXIMATELY FOUR- FOOT INTERVALS ABOVE THE PIPE, ONE TEST AT OR NEAR THE SURFACE AND ONE TEST APPROXIMATELY HALFWAY IN BETWEEN.
 - FOR TRENCHES GREATER THAN 16- FEET DEEP, COMPLETE TESTS AT APPROXIMATELY FOUR- FOOT INTERVALS ABOVE THE PIPE TO THE SURFACE (FOUR TESTS REQUIRED) OR AS DIRECTED BY THE DISTRICT.
 - STRUCTURED AREAS, SUCH AS AN EASEMENT NEAR A BUILDING, SHALL REQUIRE ADDITIONAL TESTING IN THE ZONE OF INFLUENCE FROM THE LICENSED GEOTECHNICAL CONSULTANT SUCH THAT THE COMPACTION SHALL NOT ADVERSELY AFFECT THE NEARBY OR SURROUNDING STRUCTURES.
 - IF COMPACTION DOES NOT MEET THE MINIMUM STANDARDS REQUIRES, ADDITIONAL EXCAVATION AND TESTING AS DIRECTED BY THE DISTRICT SHALL BE COMPLETED.
 - THE DISTRICT RESERVES THE RIGHT TO REQUIRE ADDITIONAL TESTING IN AREAS THAT ARE QUESTIONABLE COMPACTION TESTING COSTS ARE THE REASONABILITY OF THE CONTRACTOR.
 - COPIES OF ALL TESTING REPORTS SHALL BE PROVIDED TO THE DISTRICT FOR VERIFICATION AND PROJECT RECORDS AND JURISDICTIONAL APPROVALS.
- ALL WORK ON THE UNDERGROUND PORTIONS OF FIRE PROTECTION SPRINKLER SYSTEMS AND/OR FIRE MAIN FOR HYDRANT PLACEMENT MUST BE INSTALLED AND CERTIFIED BY A LICENSED CONTRACTOR WHO HAS ACHIEVED A STATE LEVEL "U" CERTIFICATION. SUBCONTRACTING OF SUCH WORK TO PERSONS OR FIRMS NOT CURRENTLY LICENSED AS A FIRE PROTECTION SPRINKLER SYSTEM CONTRACTOR IS PROHIBITED UNDER WAC 212-80.
- WATER MAINS AND SERVICES TO BE REMOVED SHALL BE CUT AND CAPPED AT THE DISTRIBUTION MAIN. EXCEPTIONS MAY BE IMPLEMENTED IF SERVICES ARE GOING TO BE REUSED OR TEMPORARILY USED FOR WATER SUPPLY.
- ANY WATER METER TO BE REPLACED BY THE CITY OF LYNNWOOD PERSONNEL. A FINAL READ WILL BE TAKEN UPON PULLING THE METER AND THE SETTER WILL BE LOCKED OFF. SEWER CAPPING MUST TAKE PLACE PRIOR TO METER RETIREMENT.
- WATER SERVICE MATERIALS ARE TO BE SUPPLIED BY THE CONTRACTOR. ALL BRASS FITTINGS SHALL BE LEAD FREE. THE CITY WILL SUPPLY THE METER ONLY. A METER SETTER INSPECTION IS REQUIRED PRIOR TO THE INSTALLATION OF THE METER.



DETENTION VAULT FLOW RESTRICTOR RISER

NOT TO SCALE



HMA ASPHALT
HEAVY DUTY PAVEMENT SECTION

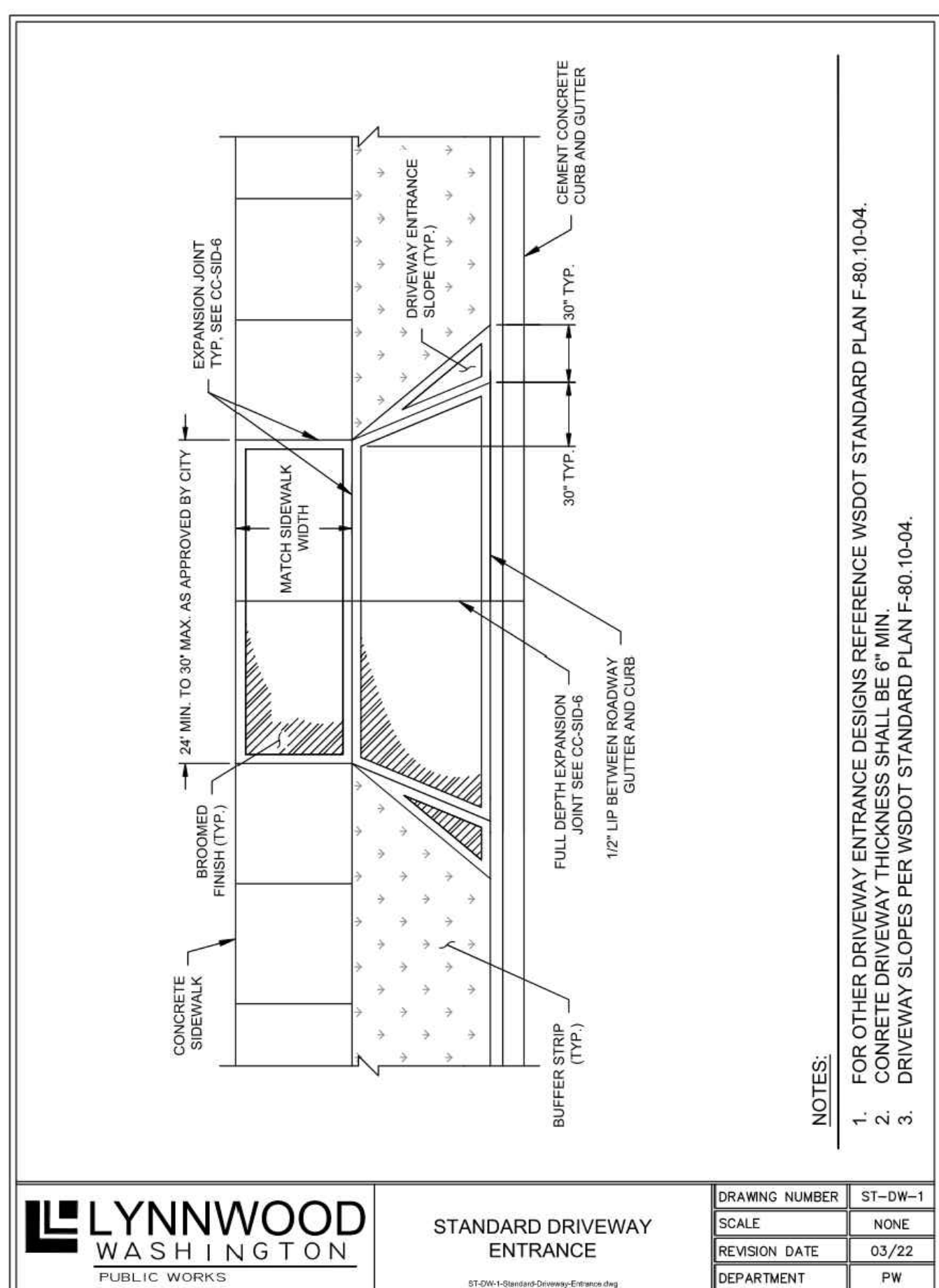
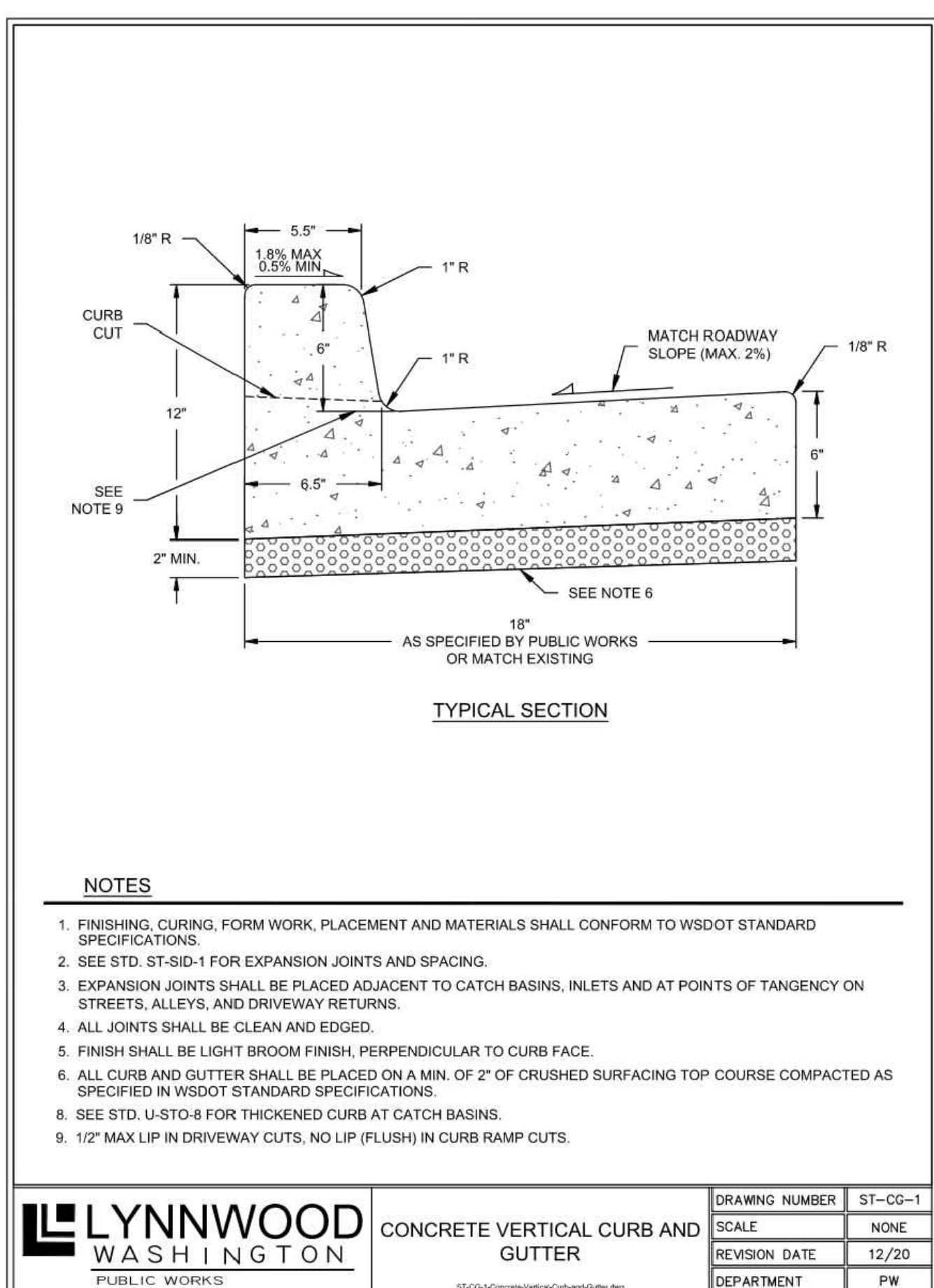
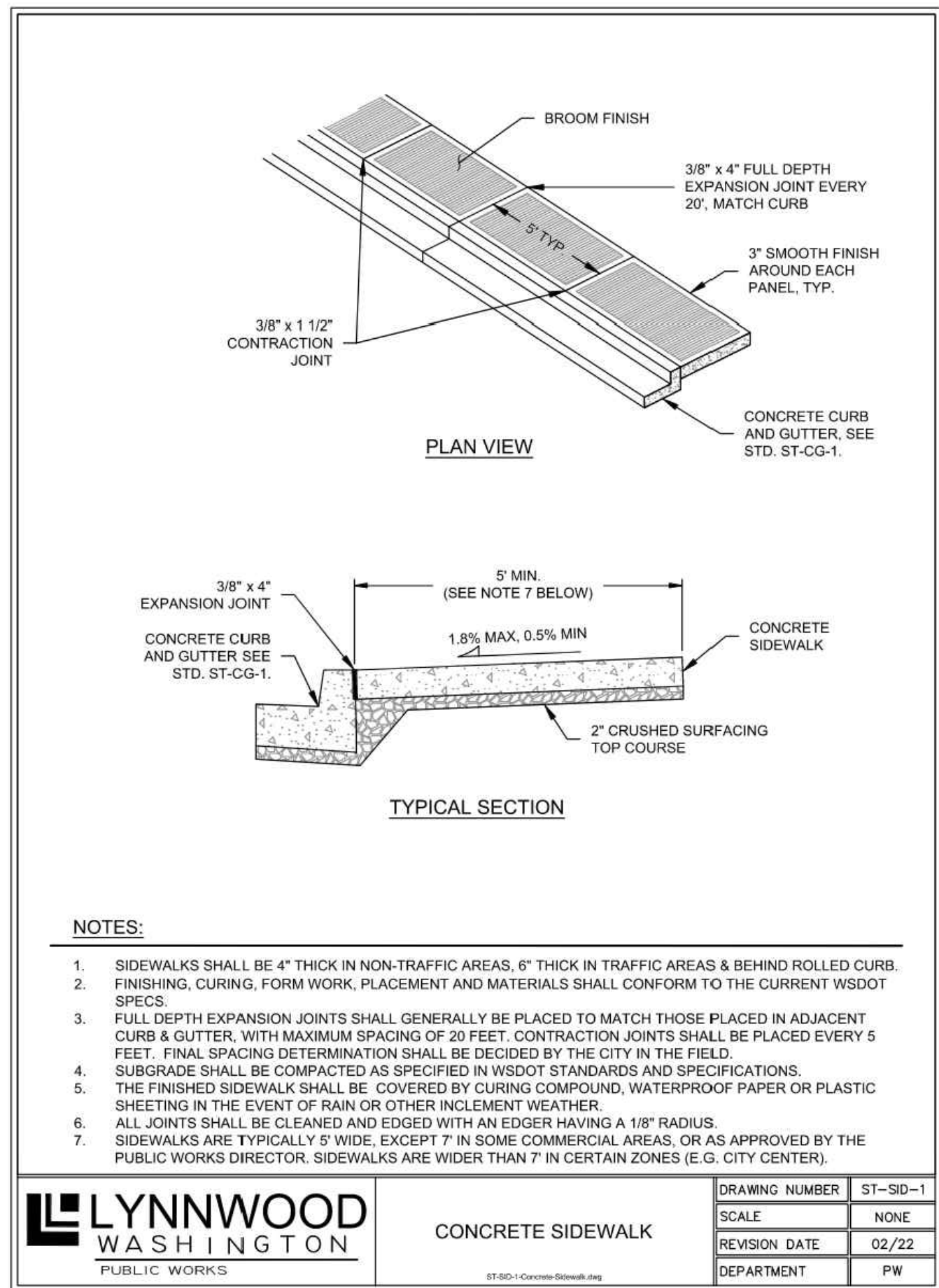
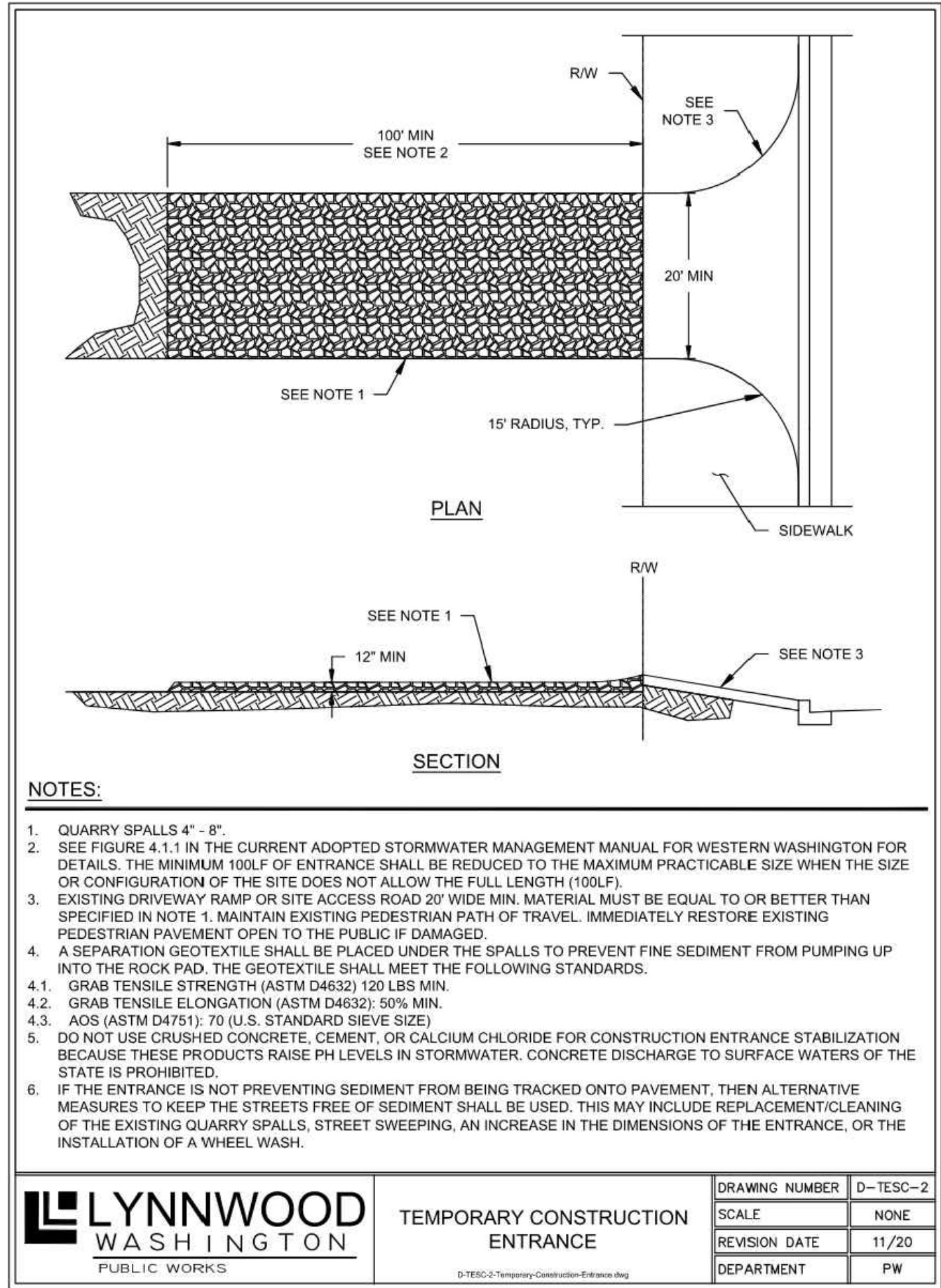
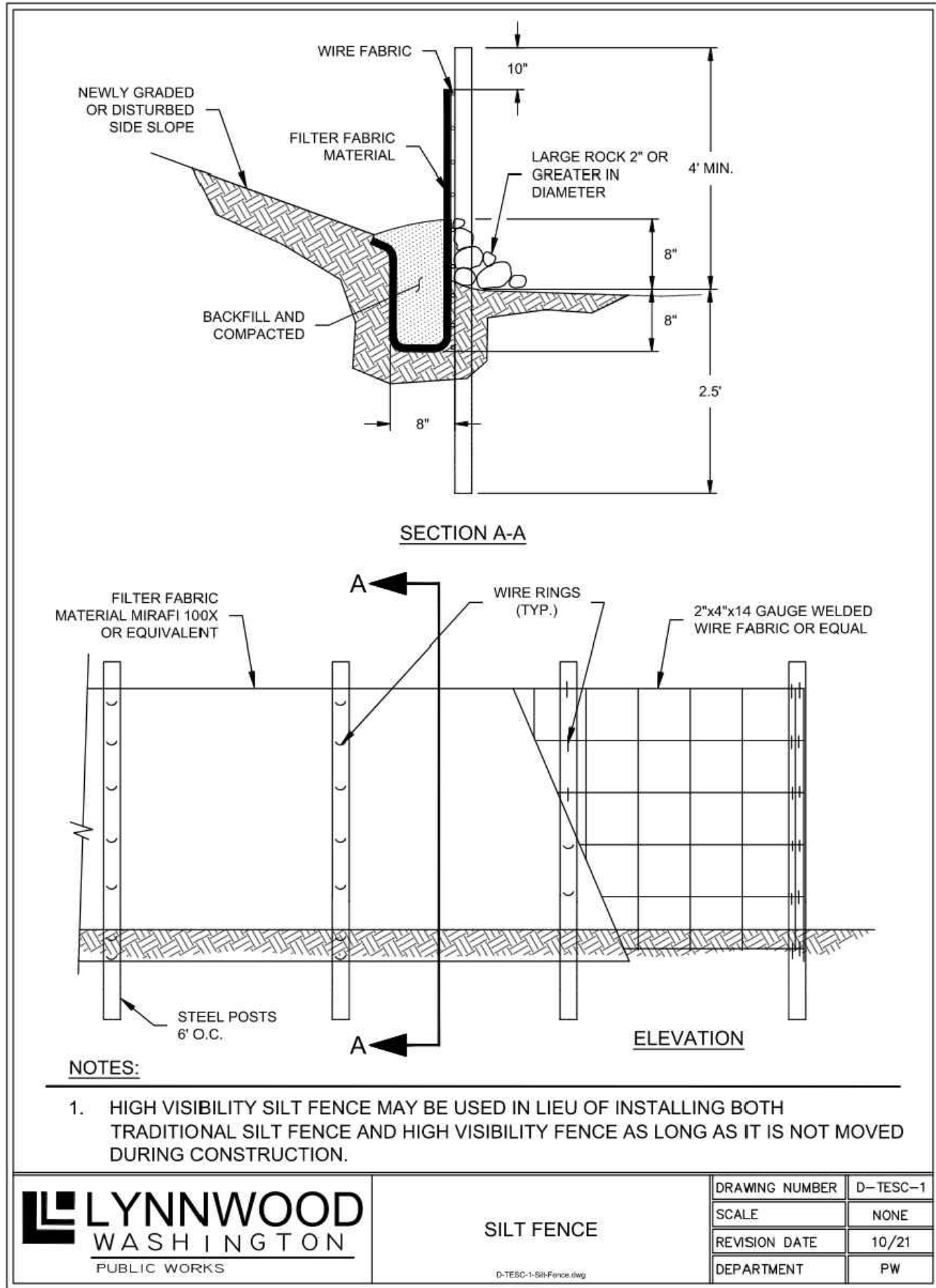
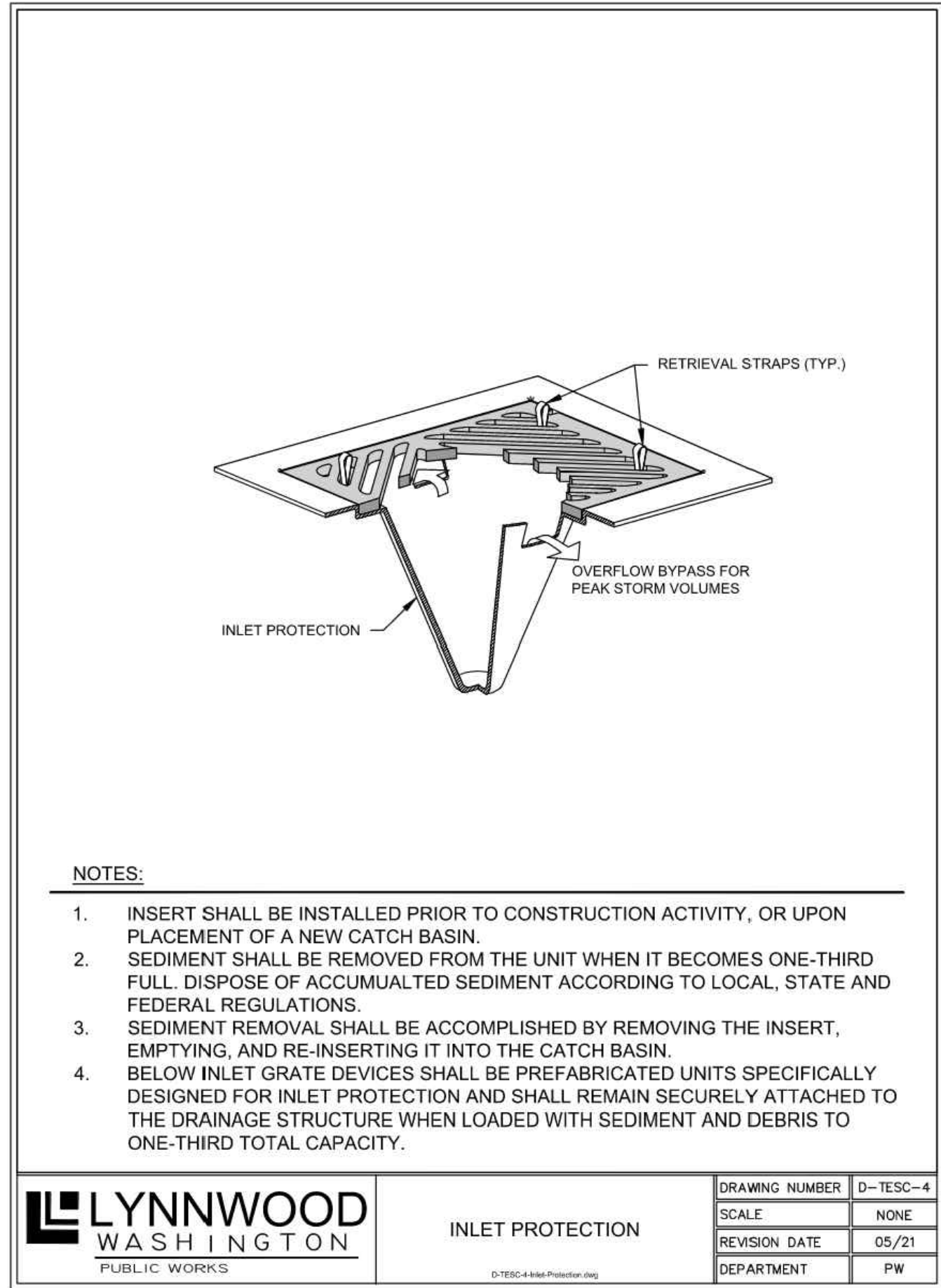
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NOTE: PAVEMENT SECTION TO BE IN ACCORDANCE WITH RECOMMENDATIONS OF THE GEOTECHNICAL REPORT DATED OCTOBER 30, 2018, PREPARED BY EARTH SOLUTIONS NW.

Revision		Title: CONSTRUCTION NOTES AND DETAILS FOR CONVOY SUPPLY	
No.	Date	By	Appr.
Job Number 22422		Sheet C4 of 6	
Barghausen Consulting Engineers, Inc. 18215 72nd Avenue South Kent, WA 98032 425.251.6222 barghausen.com		For: CONVOY SUPPLY, INC 5804 204TH ST SW LYNNWOOD, WA	
Professional Engineer 25672 6/28/22		Scale: Horizontal 1" = 10' Vertical 1" = 10'	
Designed JRM Drawn JRM Checked ZTW Approved DKB Date 6/6/22			
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CONSTRUCTION NOTES AND DETAILS
FOR
CONVOY SUPPLY

A PORTION OF SEC. 21, TWP. 27 NORTH, RGE. 4 EAST, W.M.
CITY OF LYNNWOOD, SNOHOMISH COUNTY, WASHINGTON



Revision
Appr.
Cld.
By
Date
No.

Title:
CONSTRUCTION NOTES AND DETAILS
FOR
CONVOY SUPPLY

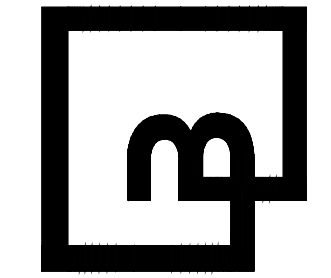
For:
CONVOY SUPPLY, INC
5804 204TH ST SW
LYNNWOOD, WA



Scale:
Horizontal
Vertical

Designed JRM
Drawn JRM
Checked ZTW
Approved DKB
Date 6/6/22

Barghausen
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18215 72nd Avenue South
Kent, WA 98032
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barghausen.com

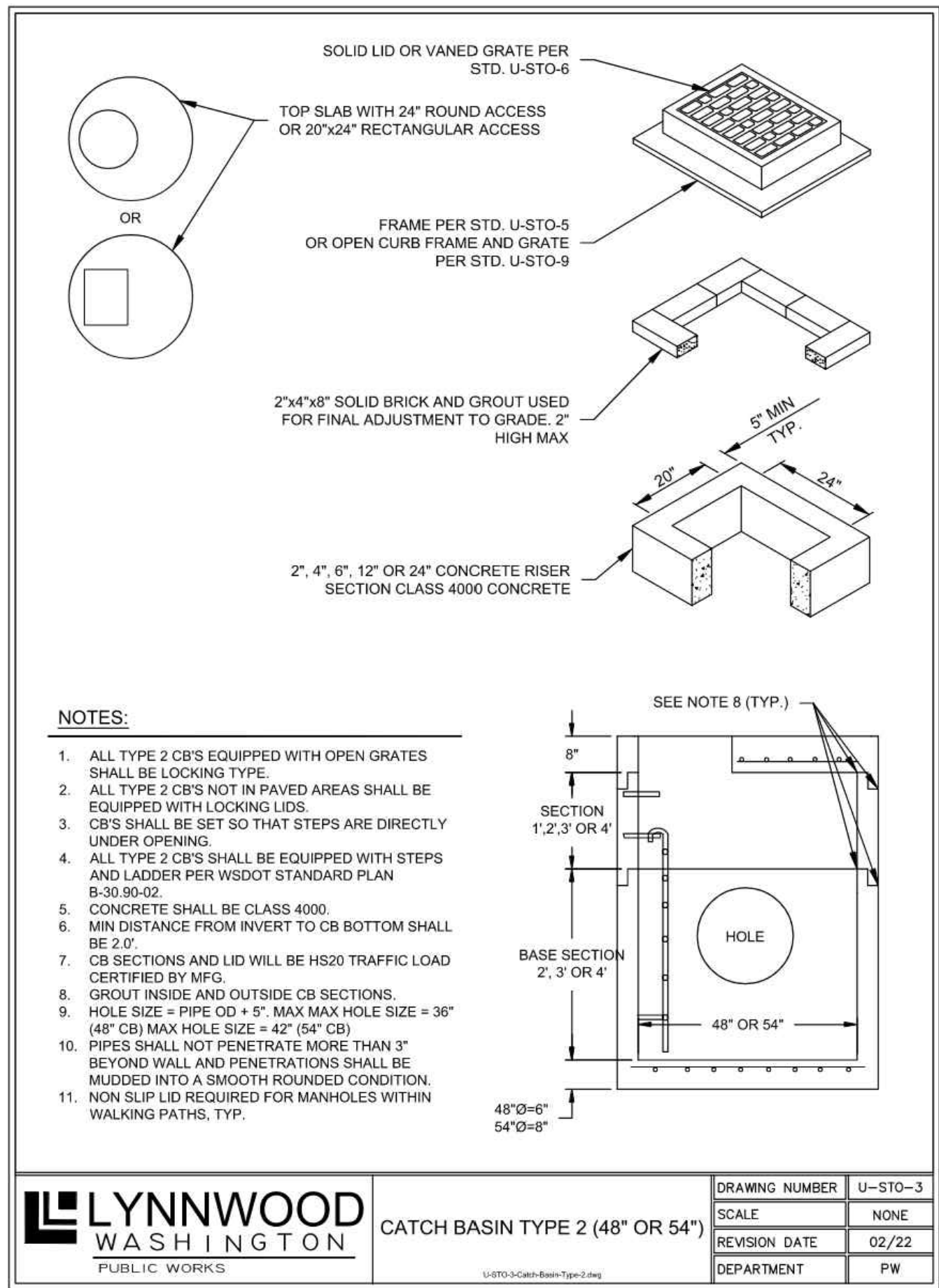
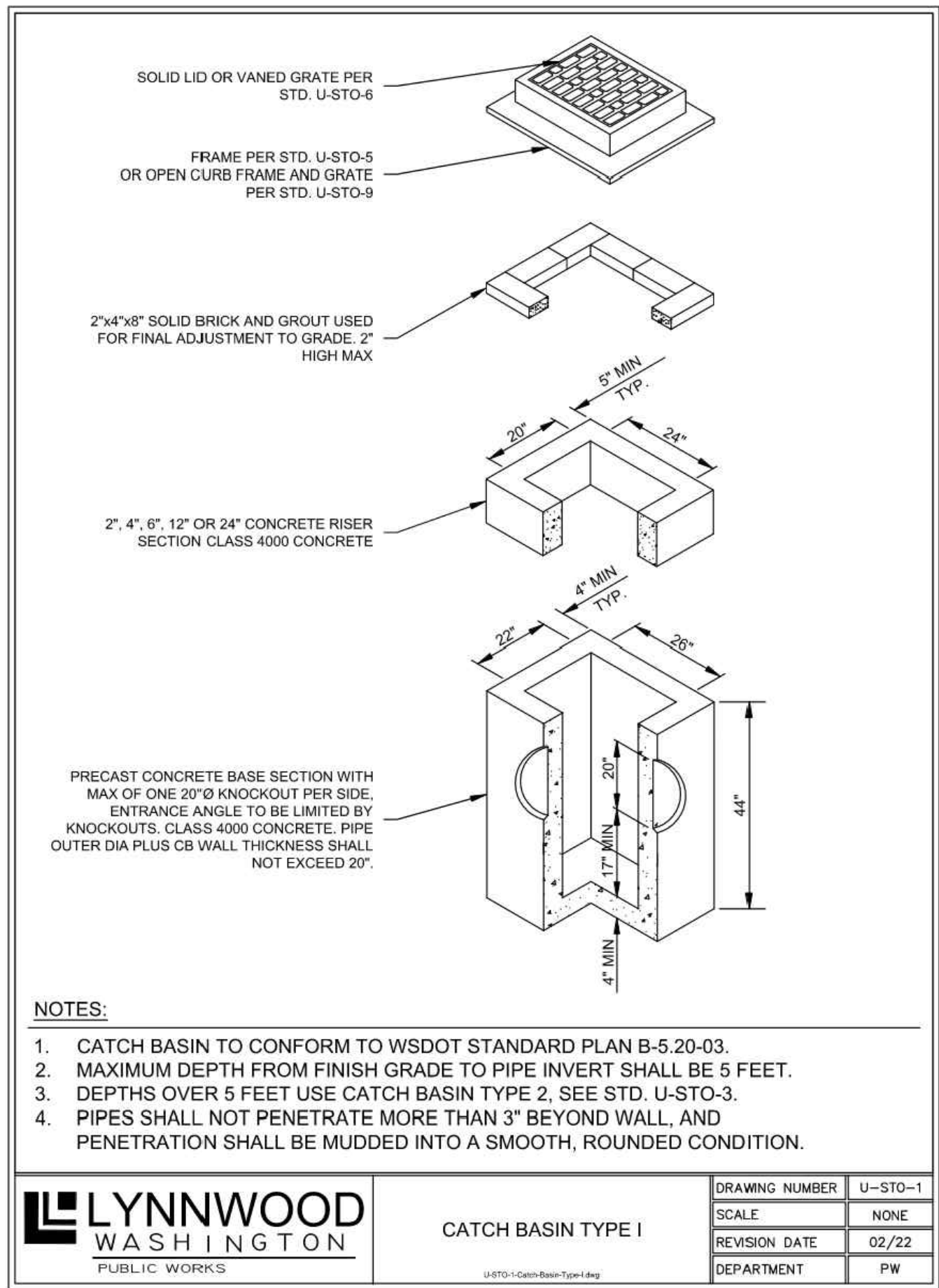


Job Number
22422

Sheet
C5 of 6

CONSTRUCTION NOTES AND DETAILS
FOR
CONVOY SUPPLY

A PORTION OF SEC. 21, TWP. 27 NORTH, RGE. 4 EAST, W.M.
CITY OF LYNNWOOD, SNOHOMISH COUNTY, WASHINGTON



SITE SPECIFIC DATA			
PROJECT NUMBER			
PROJECT NAME			
PROJECT LOCATION			
STRUCTURE ID			
TREATMENT REQUIRED			
VOLUME BASED (CF)		FLOW BASED (CFS)	
N/A		0.052	
PEAK BYPASS REQUIRED (CFS) - IF APPLICABLE		OFFLINE	
PIPE DATA	I.E.	MATERIAL	DIAMETER
INLET PIPE 1	361.88	CPEP	12"
INLET PIPE 2	N/A	N/A	N/A
OUTLET PIPE	361.38	CPEP	12"
	PRETREATMENT	BIOFILTRATION	DISCHARGE
RIM ELEVATION		370.63	
SURFACE LOAD	PEDESTRIAN		
FRAME & COVER	24" X 42"	OPEN PLAN	N/A
NOTES:			

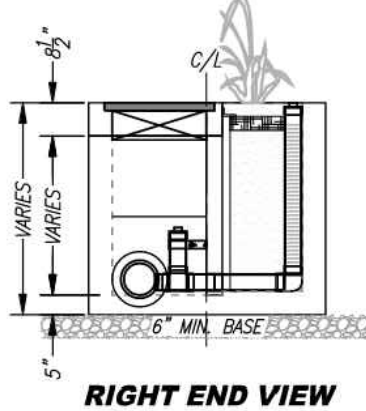
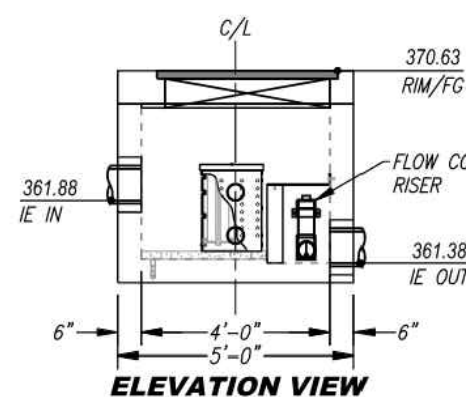
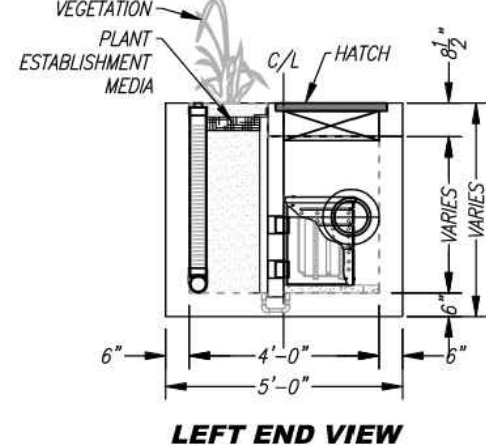
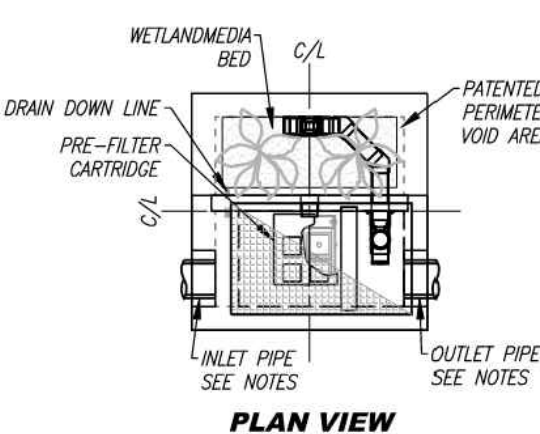
* PRELIMINARY NOT FOR CONSTRUCTION

INSTALLATION NOTES

1. CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE SYSTEM AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURERS SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURERS CONTRACT.
2. UNIT MUST BE INSTALLED ON LEVEL BASE. MANUFACTURER RECOMMENDS A MINIMUM 6" LEVEL ROCK BASE UNLESS SPECIFIED BY THE PROJECT ENGINEER. CONTRACTOR IS RESPONSIBLE TO VERIFY PROJECT ENGINEERS RECOMMENDED BASE SPECIFICATIONS.
3. CONTRACTOR TO SUPPLY AND INSTALL ALL EXTERNAL CONNECTING PIPES. ALL PIPES MUST BE FLUSH WITH INSIDE SURFACE OF CONCRETE (PIPES CANNOT INTRUDE BEYOND FLOOR). INVERT OF OUTFLOW PIPE MUST BE FLUSH WITH DISCHARGE CHAMBER FLOOR. ALL PIPES SHALL BE SEALED WATER TIGHT PER MANUFACTURERS STANDARD CONNECTION DETAIL.
4. CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL RISERS, MANHOLES, AND HATCHES. CONTRACTOR TO GROUT ALL MANHOLES AND HATCHES TO MATCH FINISHED SURFACE UNLESS SPECIFIED OTHERWISE.
5. VEGETATION SUPPLIED AND INSTALLED BY OTHERS. ALL UNITS WITH VEGETATION MUST HAVE DRIP OR SPRAY IRRIGATION SUPPLIED AND INSTALLED BY OTHERS.
6. CONTRACTOR RESPONSIBLE FOR CONTACTING BIO CLEAN FOR ACTIVATION OF UNIT. MANUFACTURERS WARRANTY IS VOID WITH OUT PROPER ACTIVATION BY A BIO CLEAN REPRESENTATIVE.

GENERAL NOTES

1. MANUFACTURER TO PROVIDE ALL MATERIALS UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS, ELEVATIONS, SPECIFICATIONS AND CAPACITIES ARE SUBJECT TO CHANGE. FOR PROJECT SPECIFIC DRAWINGS DETAILING EXACT DIMENSIONS, WEIGHTS AND ACCESSORIES PLEASE CONTACT BIO CLEAN.



TREATMENT FLOW (CFS)	0.052
OPERATING HEAD (FT)	3.4
PRETREATMENT LOADING RATE (GPM/ST)	1.0
WETLAND MEDIA LOADING RATE (GPM/ST)	1.0

MWS-L-4-4-V
STORMWATER BIOFILTRATION SYSTEM
STANDARD DETAIL



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Revision

Appr.

Ckd.

By

Date

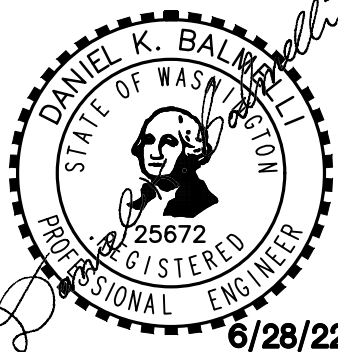
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Title:

CONSTRUCTION NOTES AND DETAILS
FOR
CONVOY SUPPLY

CONVOY SUPPLY, INC
5804 204TH ST SW
LYNNWOOD, WA

For:



Scale:

Horizontal

Vertical

Designed

JRM

Drawn

JRM

Checked

ZTW

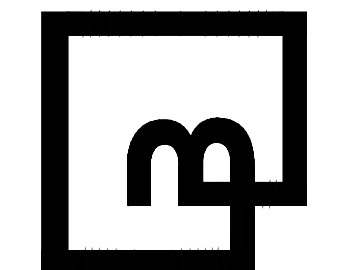
Approved

DKB

Date

6/6/22

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Job Number

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