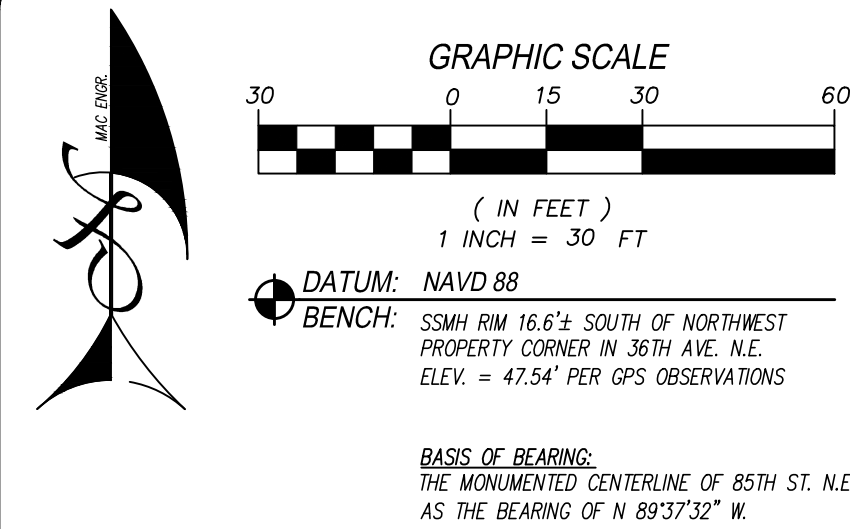


SECTION 21, TOWNSHIP 30 NORTH, RANGE 06 EAST, W.M., SNOHOMISH COUNTY, WA



CONSTRUCTION SEQUENCE:

THIS CONSTRUCTION SEQUENCE IS TO BE USED AS A GUIDELINE. CONDITIONS MAY REQUIRE CHANGES IN TIMING OF WORK. CHANGES SHALL BE DISCUSSED WITH AND APPROVED BY INSPECTOR AND OWNER.

- ARRANGE AND ATTEND PRE-CONSTRUCTION MEETING WITH THE CITY.
- FLAG CLEARING LIMITS AS INDICATED AND INSTALL S.W.P.P. MEASURES.
- INSTALL TEMPORARY BMP'S FOR EXPOSED AREAS PER PLAN (SILT FENCES, CHECK DAMS, CONSTRUCTION ENTRANCE, ETC.).
- CLEAR TREES & GRUB TO CLEARING LIMITS, LEAVING AS MUCH GROUND COVER AS POSSIBLE.
- ROUGH GRADE ROAD, EXCAVATE BUILDING FOUNDATIONS.
- INSTALL ALL STORM, SEWER, & WATER IMPROVEMENTS.
- CONSTRUCT BUILDING AND ROAD.
- STABILIZE DISTURBED LAND SURFACES.
- REMOVE REMAINING S.W.P.P. STRUCTURES AFTER SITE HAS BEEN STABILIZED AND APPROVED BY THE CITY INSPECTOR.
- CLEAN STORM DRAINAGE SYSTEM AND PLACE INTO OPERATION.

LOT IMPERVIOUS AREA:

PROPOSED BUILDING:	8,015 SF (W/OVERHANG & DECKS)
PROPOSED ASPHALT PARKING LOT:	11,040 SF
PROPOSED CONCRETE SIDEWALKS & CURBS:	1,770 SF
TOTAL:	20,825 SF

FRONTAGE IMPERVIOUS SURFACE:

PROPOSED ASPHALT ROAD:	1,180 SF
PROPOSED CONCRETE & CURBS:	760 SF
TOTAL:	1,940 SF

TOTAL IMPERVIOUS SURFACE: 22,765 SF

EXISTING IMPERVIOUS TBR: 1,060 SF

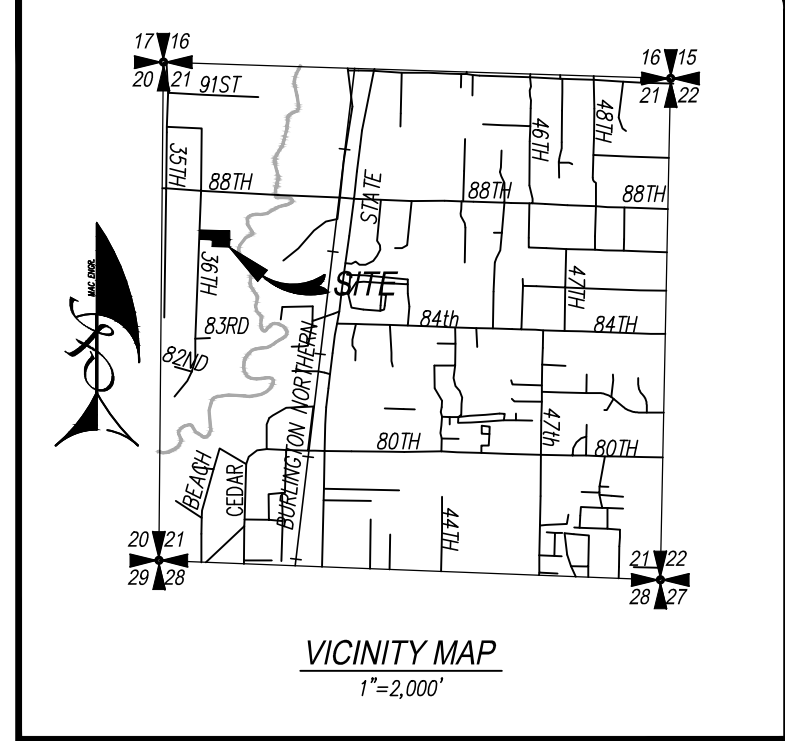
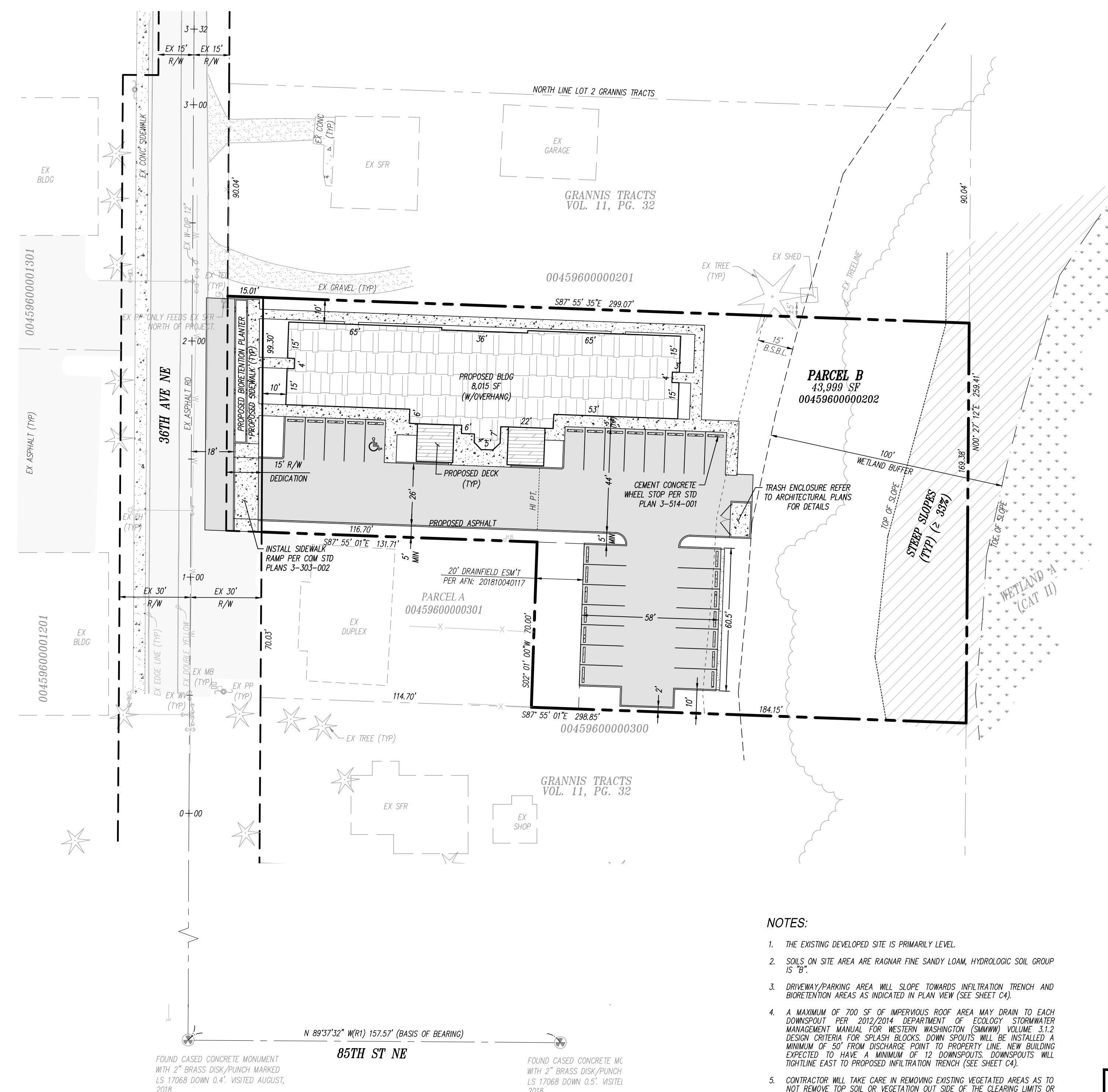
TOTAL DISTURBED AREA: 28,465 SF

ABBREVIATIONS TABLE

(A/P) = ANGLE POINT	(MCSE) = MIN CRAM SPACE ELEV.
(BC) = BOTTOM OF CURB-F/L	(OWS) = OIL WATER SEPARATOR
(BW) = BOTTOM OF WALL	(PC) = POINT OF CURVATURE
(BO) = BLOWOFF	(PI) = POINT OF INTERSECTION
(BRK) = BREAK/GRADE BREAK	(PL) = PROPERTY LINE
(CB) = CATCH BASIN	(PP) = POWER/UTILITY POLE
(CBU) = COLLECTION BOX UNITS	(P/T) = POINT OF TANGENCY
(CC) = COLLECT END	(P/M/T) = PAVEMENT
(CL) = CENTER LINE	(RE) = RIM ELEVATION
(CO) = CLEANOUT	(SD) = STORM DRAIN
(CSBC) = OR SURF. BASE COURSE	(SLL) = SOLID LOCKING LID
(CSTC) = OR SURF. TOP COURSE	(SS) = SANITARY SEWER
(CTR) = CENTER	(SSMH) = SEWER MANHOLE
(DIP) = DUCTILE IRON PIPE	(STRCT) = STRUCTURE
(DRNG) = DRAINAGE	(TBR) = TO BE REMOVED
(EL) = ELEVATION	(TC) = TOP OF CURB
(E/A) = EDGE OF ASPHALT	(TOB) = TOP OF BANK
(E/G) = EDGE OF GRAVEL	(TW) = TOP OF WALL
(ESMT) = EASEMENT	(TYP) = TYPICAL
(EX) = EXISTING	(TYP-X) = TYPE-CB/WH
(G/L) = GUTTER LINE OF CURB	(TYP-Y) = TYPE I CB
(GR) = GRATE	(YD) = YARD DRAIN
(GRVL) = GRAVEL	(W) = WATER/WATER MAIN
(H) = FIRE HYDRANT	(WCR) = WHEEL CHAIR RAMP
(F/L) = FLOW LINE	(WV) = WATER VALVE
(F/C) = FACE OF CURB	(W/M) = WATER METER
(I) = INVERT ELEVATION	(WV) = WATER VALVE
(INT) = INTERSECTION	(1/4 Δ) = 1/4 PARTS DELTA
(LL) = LOT LINE	
(MB) = MAILBOX	

LEGEND

EXISTING	DESCRIPTION	PROPOSED
	STORM DRAIN CD (Tj-1)	
	STORM DRAIN SERVICE STUB	
	SAN. SEWER MANHOLE	
	SAN. SEWER CLEAN OUT	
	SAN. SEWER STUB	
	BLOW-OFF (BO)	
	WATER SERVICE (WS)	
	WATER VALVE (WV)	
	WELL	
	FIRE HYDRANT	
	UTILITY POLE (PP, UP)	
	TREE	
	SHRUB	
	PAVEMENT (EOA)	
	CONCRETE (EOC)	
	GRAVEL (EOG)	
	BLDG SETBACK LINE (BSBL)	
	PROPERTY LINE (P/L)	
	RIGHT OF WAY (R/W)	
	CENTER (CTR) LINE	
	FENCE LINE	
	DRAINAGE FLOW PATTERNS	
	SECTION CORNER	
	SOIL LOG	
	TEMPORARY BENCHMARK	



LEGAL DESCRIPTION:
 PARCEL B, OF AMENDED BOUNDARY LINE ADJUSTMENT, CITY OF MARYSVILLE, BLA FILE NO. BLA 18-007, AS RECORDED UNDER AUDITOR'S FILE NO. 201905025001, RECORDS OF SNOHOMISH COUNTY, WASHINGTON;
 SITUATE IN THE COUNTY OF SNOHOMISH, STATE OF WASHINGTON.

SITE DATA:
 TAX PARCEL NO.: 00459600000202
 SITE ADDRESS: 8619 36TH AVE NE, MARYSVILLE, WA 98270-7217
 TOTAL SITE AREA: 1.01 AC
 EXISTING/PROPOSED ZONING: COMMUNITY BUSINESS
 WATER DISTRICT: CITY OF MARYSVILLE WATER SYSTEM
 SEWER DISTRICT: MARYSVILLE SCHOOL DIST 25
 SCHOOL DISTRICT: MARYSVILLE SCHOOL DIST 25
 FIRE DISTRICT: MARYSVILLE FIRE DIST REA

OWNER:
 1 HEARTSAVED ADULT FAMILY HOME LLC
 6513 82ND ST NE
 MARYSVILLE, WA 98270
 OR OFFICE LLC
 3905 SWINNEY MOUNT BLVD STE 102
 MARYSVILLE, WA 98271

ENGINEER/CONTACT:
 MAC ENGINEERING, LLC
 ELDEN D. MCCALL P.E.
 P.O. BOX 177
 SILVANA, WA 98287
 TEL: 360-652-5820
 E-MAIL: maccengineering@frontier.com

ARCHITECT:
 WILLIAM PAGE ARCHITECTS
 P.O. BOX 665
 FREELAND, WA 98249
 TEL: 206-283-6317
 E-MAIL: wpagearchitects@gmail.com

WETLAND BIOLOGIST:
 ACRE ENVIRONMENTAL CONSULTING, LLC
 17715 28TH AVE NE
 LAKE STEVENS, WA 98155
 TEL: 206-450-7746
 E-MAIL: louis@acreenvironmental.com

GEOTECH:
 COBALT GEOSCIENCES, LLC
 P.O. BOX 82243 106
 KENMORE, WA 98028
 TEL: 206-331-1097
 E-MAIL: cobaltgeo@gmail.com

SURVEY:
 PACIFIC COAST SURVEYS, INC.
 LAND SURVEYING & MAPPING
 P.O. BOX 13619
 MILL CREEK, WA 98082
 TEL: (425) 512-7099

TRAFFIC:
 JAKE TRAFFIC ENGINEERING, INC.
 2814-30TH AVE SW
 SEATTLE, WA 98116
 TEL: (206) 762-1978
 EMAIL: jaketraffic@comcast.net

NOTES:

- THE EXISTING DEVELOPED SITE IS PRIMARILY LEVEL.
- SOILS ON SITE AREA ARE RAGNAR FINE SANDY LOAM, HYDROLOGIC SOIL GROUP IS "B".
- DRIVEWAY/PARKING AREA WILL SLOPE TOWARDS INFILTRATION TRENCH AND BIORETENTION AREAS AS INDICATED IN PLAN VIEW (SEE SHEET C4).
- A MAXIMUM OF 700 SF OF IMPERVIOUS ROOF AREA MAY DRAIN TO EACH DOWNSPOUT PER 2012/2014 DEPARTMENT OF ECOLOGY STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON (SMWW) VOLUME 3.1.2 DESIGN CRITERIA FOR SPLASH BLOCKS, DOWN SPOUTS WILL BE INSTALLED A MINIMUM OF 50' FROM DISCHARGE POINT TO PROPERTY LINE. NEW BUILDING EXPECTED TO HAVE A MINIMUM OF 12 DOWNSPOUTS. DOWNSPOUTS WILL TIGHTLINE EAST TO PROPOSED INFILTRATION TRENCH (SEE SHEET C4).
- CONTRACTOR WILL TAKE CARE IN REMOVING EXISTING VEGETATED AREAS AS TO NOT REMOVE TOP SOIL OR VEGETATION OUT SIDE OF THE CLEARING LIMITS OR POLLUTION GENERATING IMPERVIOUS SURFACE (PGIS) FROM IF SOILS ARE REMOVED OUTSIDE OF THE BUILDING OR PGS PRSM, THEN THE CONTRACTOR WILL RECALCULATE AND INCORPORATE WITH EXISTING SOIL OR AMENDED SOILS AS LONG AS THEY MEET THE REQUIREMENTS IDENTIFIED IN SMWW, BMP 15.13. (SEE REQUIREMENT CALCULATIONS IN DRAINAGE REPORT).
- A ROCK CONSTRUCTION ENTRANCE IS REQUIRED.
- EXISTING TOPSOIL WAS TESTED AND IT IS CONFIRMED THAT IT MEETS THE REQUIREMENTS AS INDICATED PER SMWW VOLUME 4, BMP 15.13. EXISTING TOPSOIL WILL BE STOCK PILED FOR FINAL STABILIZATION. (REFER TO MAC ENGINEERING DRAINAGE REPORT FOR ADDITIONAL DETAILS).

CITY OF MARYSVILLE
 CONSTRUCTION DRAWING REVIEW ACKNOWLEDGMENT

THIS PLAN SHEET HAS BEEN REVIEWED AND EVALUATED FOR GENERAL COMPLIANCE WITH THE APPLICABLE CITY OF MARYSVILLE CODES AND ORDINANCES. CONFORMANCE OF THIS DESIGN WITH ALL APPLICABLE LAWS AND REGULATIONS IS THE FULL AND COMPLETE RESPONSIBILITY OF THE LICENSED DESIGN ENGINEER, WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEET. ACKNOWLEDGMENT OF CONSTRUCTION DRAWING REVIEW DOES NOT IMPLY CITY APPROVAL FOR CONSTRUCTION ACTIVITIES THAT REQUIRED OTHER COUNTY, STATE OR FEDERAL PERMIT REVIEW AND APPROVAL. THE PROPERTY OWNER AND LICENSED DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE ACQUISITION AND COMPLIANCE OF ALL APPLICABLE PERMITS OR AUTHORIZATIONS WHICH MAY INCLUDE, BUT ARE NOT LIMITED TO, WSDW HYDRAULIC PROJECT APPROVAL (HPA), WSDW NOTICE OF INTENT (NOI), ANY CORP OF ENGINEERS FILL PERMITS AND THE REQUIREMENTS OF THE ENDANGERED SPECIES ACT.

THIS _____ DAY OF _____, 202__

BY: _____
 PE - ENGINEERING SERVICES MANAGER

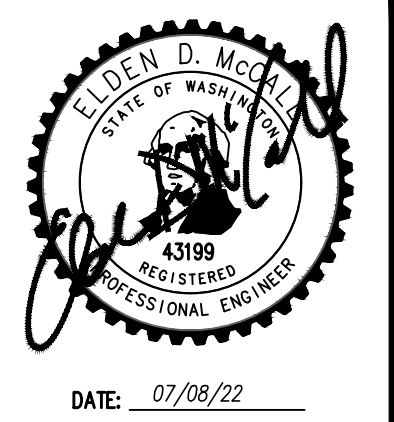
THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER PERIOD OF 18 MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINARY PLAT OR SITE PLAN

SHEET INDEX

C1)	SITE PLAN
C2)	EXISTING CONDITIONS/SWPP PLAN
C3)	SWPPP NOTES
C4)	SITE DRAINAGE & GRADING PLAN
C5)	36TH AVE NE ROAD-GRADING, DRAINAGE, UTILITY-PLAN & PROFILE
C6)	CITY OF MARYSVILLE CONSTRUCTION NOTES
C7)	CITY OF MARYSVILLE DETAILS
C8)	CITY OF MARYSVILLE DETAILS
C9)	CB-1 STORMFILTER DETAIL
C10)	CB-2 STORMFILTER DETAIL

MAC ENGINEERING, LLC

P.O. BOX 177, SILVANA, WA 98287
 TEL: (360) 652-5820
 EMAIL: maccengineering@frontier.com



SURVEY PROVIDED BY:
 PACIFIC COAST SURVEYS, INC.
 LAND SURVEYING & MAPPING
 P.O. BOX 13619
 MILL CREEK, WA 98082
 TEL: (425) 512-7099

GRADING ESTIMATE
 CUT: 150 CY's
 FILL: 150 CY's

THE GRADING ESTIMATE PROVIDED FOR THESE PLANS IS APPROXIMATE. ACTUAL GRADING VOLUMES MAY VARY. CALCULATIONS DO NOT ACCOUNT FOR VARIOUS VOLUMETRIC CHANGES DURING THE EARTH WORK PROCESS.

DATE	REVISION/ISSUED
07/08/22	ISSUED

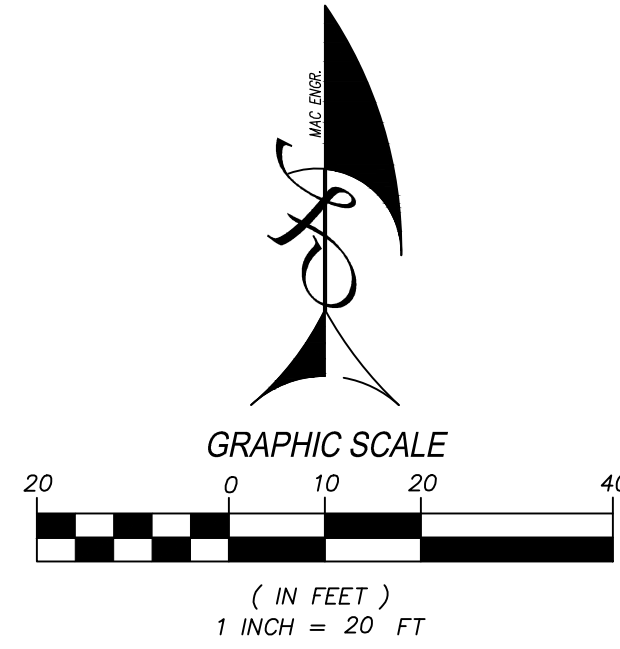
PFN:
MBOWE
 HEART SAVED ADULT CARE
 SITE PLAN

PROJECT NO.
 220671

DWG
C1
 OF 8

CALL 48 HOURS BEFORE YOU DIG 1-800-424-5555

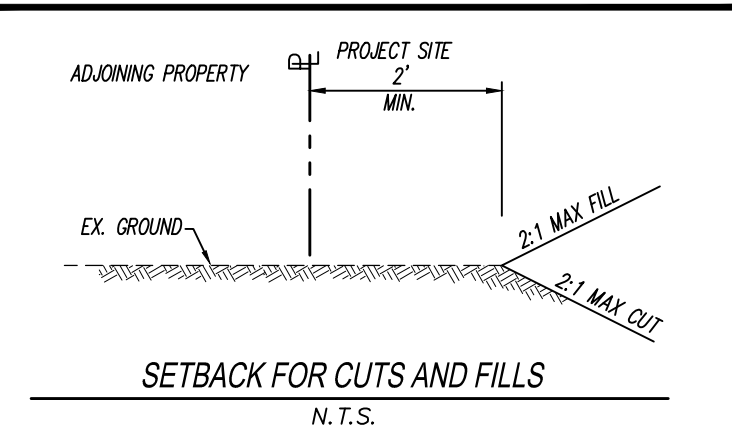
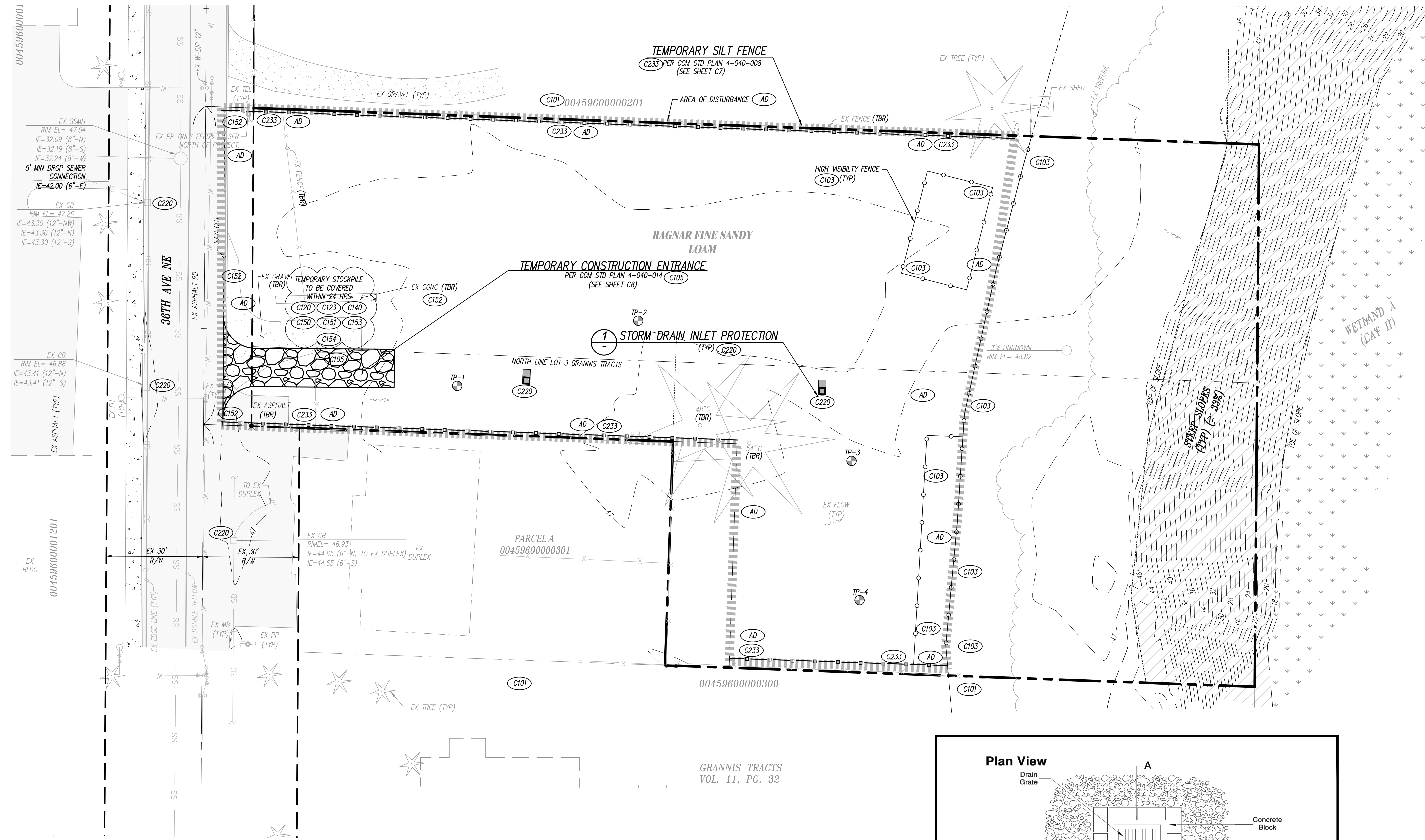
THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.



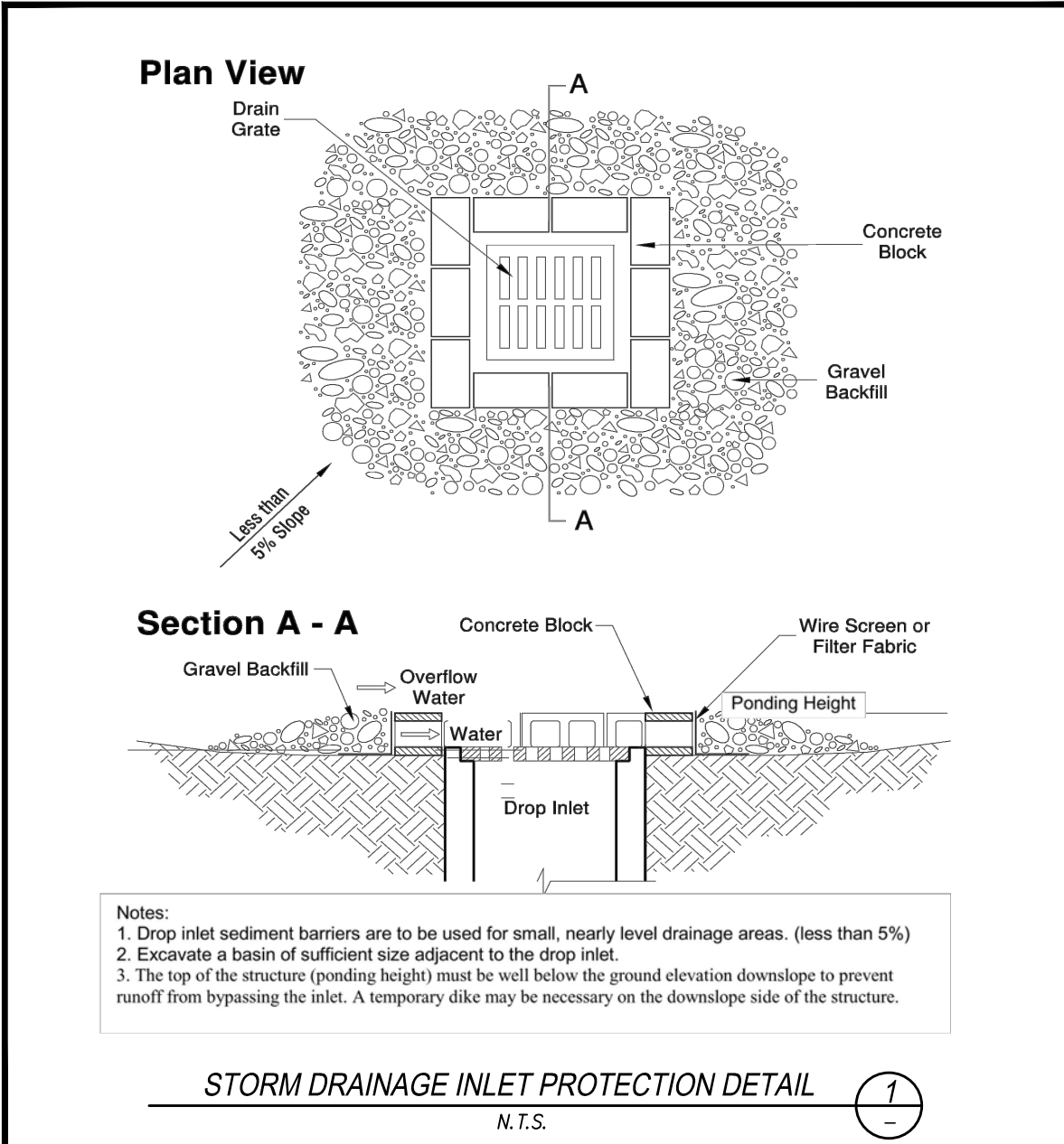
- BMP LEGEND**
- (C101) = PRESERVE NATURAL VEGETATION
 - (C103) = HIGH VISIBILITY PLASTIC OR METAL FENCE
 - (C105) = TEMPORARY CONSTRUCTION ENTRANCE
 - (C120) = TEMPORARY AND PERMANENT SEEDING
 - (C123) = PLASTIC COVERING
 - (C125) = TOPSOILING/COMPOSTING
 - (C140) = DUST CONTROL
 - (C150) = MATERIALS ON HAND
 - (C151) = CONCRETE HANDLING
 - (C152) = SAWCUTTING AND SURFACE POLLUTION PREVENTION
 - (C153) = MATERIAL DELIVERY, STORAGE AND CONTAINMENT
 - (C154) = CONCRETE WASHOUT AREA
 - (C220) = STORM DRAIN INLET PROTECTION
 - (C233) = TEMPORARY SILT FENCE
 - AD = AREA OF DISTURBANCE

EROSION CONTROL CONCEPT
 ALL DISTURBED AREAS SHALL BE PREPARED AND MAINTAINED TO CONTROL EROSION. LEAVE VEGETATIVE BUFFER AROUND PERIMETER OF SITE AND EXISTING GROUND COVER AS LONG AS POSSIBLE.

TEMPORARY EROSION CONTROL NOTE:
 TEMPORARY EROSION CONTROL MEASURES ON THIS PLAN ARE INTENDED AS A GUIDE. ADDITIONAL BMP'S MAY BE REQUIRED FOR THIS DEVELOPMENT AS SITE & WEATHER CONDITIONS CHANGE IN THE FIELD. THE CONTRACTOR/DEVELOPER SHALL COORDINATE WITH THE CERTIFIED EROSION AND SEDIMENT CONTROL LEAD (CESCL) & THE PROJECT ENGINEER AS NEEDED FOR EROSION CONTROL RECOMMENDATIONS.



NOTE:
 APPLIES TO GRADING ONLY



**CITY OF MARYSVILLE
 CONSTRUCTION DRAWING REVIEW ACKNOWLEDGMENT**

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THIS: _____ DAY OF _____, 202__

BY: _____
 PE - ENGINEERING SERVICES MANAGER

THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER PERIOD OF 18 MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINARY PLAT OR SITE PLAN

MAC ENGINEERING, LLC

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DATE	REVISION/ISSUED
07/08/22	ISSUED

CALL 48 HOURS BEFORE YOU DIG 1-800-424-5555

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.

PFN:
MBOWE
 HEART SAVED ADULT CARE
 EXISTING CONDITIONS & SWPP PLAN

PROJECT NO.
 220671

DWG
C2
 OF 8

EROSION, SEDIMENTATION AND WATER QUALITY SITE INSPECTIONS

PRIOR TO ANY SITE DEVELOPMENT WORK TAKING PLACE, A PRE-CONSTRUCTION MEETING WITH THE CONTRACTOR, OWNER, CESSL, AND CITY INSPECTOR SHALL BE HELD.

THE DEPARTMENT OF ECOLOGY REQUIRES THAT LAND DISTURBANCE CONSTRUCTION PROJECTS ONE ACRE OR LARGER RETAIN A CESSL TO ENSURE THAT THE PROJECT IS IN COMPLIANCE WITH THE CURRENT EROSION, SEDIMENTATION AND WATER QUALITY STANDARDS. FOR EMERGENCY PURPOSES, THE CESSL CONTACT PER FOR THIS PROJECT IS ELDEN D. McCALL, (425) 903-1399.

ON LAND DISTURBANCE CONSTRUCTION PROJECTS OF ONE ACRE OR LARGER THE CESSL IS RESPONSIBLE FOR:

- INSPECTING THE CONSTRUCTION SITE TO ENSURE THAT ALL CONSTRUCTION SWPPP MEASURES ARE FUNCTIONING AS INTENDED.
- ALLOCATING RESOURCES TO REPAIR ALL EROSION CONTROL STRUCTURES THAT ARE IN NEED OF MAINTENANCE.
- MONITORING WATER QUALITY FOR ANY STORM DRAINAGE THAT LEAVES THE SITE.
- HAVE THE AUTHORITY TO STOP AND/OR REDIRECT CONSTRUCTION ACTIVITIES DEEMED NECESSARY TO PROTECT THE ENVIRONMENT.

SHOULD BMP PERFORMANCE GOALS NOT BE ACHIEVED, THE ONLY CONSTRUCTION ACTIVITIES THAT SHALL BE ALLOWED ARE THE REPAIR OF EXISTING EROSION CONTROL STRUCTURES, INSTALLATION OF ADDITIONAL BMP'S TO MINIMIZE THE TRANSPORT OF SEDIMENT OFFSITE, OR THOSE ACTIVITIES THAT DO NOT DISTURB EXPOSED EARTH AND DO NOT HAVE THE POTENTIAL TO GENERATE ADDITIONAL SEDIMENT.

THE THIRTEEN ELEMENTS OF A CONSTRUCTION SWPPP

ALL NEW DEVELOPMENT AND REDEVELOPMENT PROJECTS WILL COMPLY WITH THE SWPPP ELEMENTS HIGH LIGHTED BELOW.

FOR ADDITIONAL INFORMATION TO THE RELEVANT BMP'S INDICATED BELOW REFER TO THE STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON (2012/2014), VOLUME II, CHAPTER 4. THE ADDITIONAL IDENTIFIED BMP'S ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR OR CESSL SHOULD SITE CONDITIONS CHANGE THUS REQUIRING USE OF ALTERNATIVE BMP MEASURES.

- MARK CLEARING LIMITS. LAND DISTURBING ACTIVITIES ARE DELINEATED AND QUANTIFIED IN THE SWPPP NARRATIVE AND SWPPP PLANS PRIOR TO BEGINNING LAND DISTURBING ACTIVITIES WITHIN THE CONSTRUCTION AREA THE CLEARING LIMITS ARE INDICATED ON THE SWPPP SHEET WILL BE DELINEATED. FURTHERMORE, CLEARING AND GRADING WILL BE LIMITED TO ONLY AREAS THAT NEED TO BE DISTURBED FOR GRADING, PLACING OR STOCK PILING FILL AND TO PRESERVE AS MUCH NATURAL VEGETATION AND THE DUFF LAYER AS POSSIBLE.

- BMP'S:** C101 PRESERVING NATURAL VEGETATION
C102 BUFFER ZONES
C103 HIGH VISIBILITY PLASTIC OR METAL FENCE
C293 SILT FENCE

- ESTABLISH CONSTRUCTION ACCESS. ACCESS TO THE CONSTRUCTION SITE SHALL BE LIMITED TO ONE ROUTE IF POSSIBLE. STREET CLEANING SHALL BE REQUIRED WHEN SEDIMENT IS TRACKED OFF SITE.

- BMP'S:** C105 STABILIZED CONSTRUCTION ENTRANCE
C106 WHEEL WASH
C107 CONSTRUCTION ROAD/PARKING AREA STABILIZATION

- CONTROL FLOW RATES. PROPERTIES AND WATERWAYS DOWNSTREAM FROM THE PROJECT SITE SHALL BE PROTECTED FROM SOIL EROSION DUE TO INCREASES IN THE VOLUMETRIC FLOW RATE OF STORMWATER RUNOFF FROM THE PROJECT SITE.

- BMP'S:** C203 WATER BARS
C207 CHECK DAMS
C209 OUTLET PROTECTION
C235 WHITES
C240 SEDIMENT TRAP
C241 TEMPORARY SEDIMENT POND

- INSTALL SEDIMENT CONTROLS. IF THERE IS RUNOFF FROM THE CONSTRUCTION SITE, SEDIMENT SHALL BE REMOVED FROM THE RUNOFF.

- BMP'S:** C231 BRUSH BARRIER
C232 GRAVEL FILTER BERM
C290 SILT FENCE
C234 VEGETATED STRIP
C235 STRAW WHITTLES
C240 SEDIMENT TRAP
C241 TEMPORARY SEDIMENT POND
C250 CONSTRUCTION STORMWATER CHEMICAL TREATMENT
C251 CONSTRUCTION STORMWATER FILTRATION

- STABILIZED SOILS. PROVIDE TEMPORARY AND PERMANENT SOIL STABILIZATION TO ALL EXPOSED AND UNWORKED SOILS WITHIN THE PROJECT SITE. FROM OCTOBER 1 UNTIL APRIL 30, NO EXPOSED SOIL MAY REMAIN EXPOSED AND UNWORKED FOR MORE THAN TWO DAYS; AFTER MAY 1, NO EXPOSED SOIL MAY REMAIN EXPOSED AND UNWORKED FOR MORE THAN SEVEN DAYS.

- BMP'S:** C120 TEMPORARY AND PERMANENT SEEDING
C121 MULCHING
C122 NETS AND BLANKETS
C123 PLASTIC COVERING
C124 SODDING
C125 TOPSOILING/COMPOSTING
C126 POLYACRYLAMIDE FOR SOIL EROSION PROTECTION
C130 SURFACE ROUGHENING
C131 GRADIENT TERRACES
C132 INTERCEPTOR DIKE AND SWALE
C140 DUST CONTROL

- PROTECT SLOPES. CUT AND FILL SLOPES SHALL BE PROTECTED FROM EROSION AND CONCENTRATED FLOWS UNTIL PERMANENT COVER AND DRAINAGE CONVEYANCE SYSTEM ARE IN PLACE.

- BMP'S:** C120 TEMPORARY AND PERMANENT SEEDING
C121 MULCHING
C122 NETS AND BLANKETS
C123 PLASTIC COVERING
C124 SODDING
C130 SURFACE ROUGHENING
C131 GRADIENT TERRACES
C200 INTERCEPTOR DIKE AND SWALE
C201 GRASS-LINED CHANNELS
C203 WATER BARS
C204 PIPE SLOPE DRAINS
C205 SUBSURFACE DRAINS
C206 LEVEL SPREADER
C207 CHECK DAMS
C208 TRIANGULAR SILT DIKE (GEOTEXTILE-ENCASED CHECK DAM)

- PROTECT PERMANENT DRAIN INLETS. ALL PERMANENT STORM DRAIN INLETS WILL BE PROTECTED FROM SEDIMENT AND SILT-LADEN WATER.

- BMP'S:** C220 STORM DRAIN INLET PROTECTION

- STABILIZE CHANNELS AND OUTLETS. TEMPORARY AND PERMANENT CONVEYANCE SYSTEMS SHALL BE STABILIZED TO PREVENT EROSION DURING AND AFTER CONSTRUCTION.

- BMP'S:** C122 NETS AND BLANKETS
C202 CHANNEL LINING
C207 CHECK DAMS
C209 OUTLET PROTECTION

- CONTROL POLLUTANTS. ALL POLLUTANTS, INCLUDING WASTE MATERIAL, FERTILIZERS/CHEMICALS, ON-SITE FUELING TANKS AND DEMOLITION DEBRIS SHALL BE HANDLED AND DISPOSED OF IN A MANNER THAT DOES NOT CONTAMINATE STORMWATER.

- BMP'S:** C151 CONCRETE HANDLING
C152 SAWCUTTING AND SURFACE POLLUTION PREVENTION
C153 MATERIAL DELIVERY, STORAGE AND CONTAINMENT
C154 CONCRETE WASHOUT AREA
C250 CONSTRUCTION STORMWATER CHEMICAL TREATMENT
C251 CONSTRUCTION STORMWATER FILTRATION
C252 HIGH PH NEUTRALIZATION USING CO2
C253 PH CONTROL FOR HIGH PH WATER

- CONTROL DETERIORATING. CLEAN, NON-TURBID DE-WATERING WATER CAN BE DISCHARGED TO SYSTEMS TRIBUTARY TO OR DIRECTLY INTO SURFACE WATERS OF THE STATE, PROVIDED THE DE-WATERING FLOW DOES NOT CAUSE EROSION OR FLOODING TO RECEIVING WATERS. HIGHLY TURBID OR CONTAMINATED DE-WATERING WATER SHALL BE HANDLED SEPARATELY FROM STORMWATER.

- BMP'S:** C203 WATER BARS
C236 VEGETATIVE FILTRATION

- MAINTAIN BMP'S. THE CONTRACTOR WILL PROVIDE INSPECTION AND MAINTENANCE OF THE CONSTRUCTED BMP'S AND WILL COMPLY WITH THEIR REMOVAL AT THE END OF THE PROJECT.

- BMP'S:** C150 MATERIALS ON HAND
C160 CERTIFIED EROSION AND SEDIMENT CONTROL LEAD

- MANAGE THE PROJECT. THE PROJECT SHALL BE MANAGED IN A COOPERATIVE EFFORT BY THE PROJECT MANAGER, CONTRACTOR, ENGINEER, AND THE CITY INSPECTOR. SWPPP'S SHALL BE MODIFIED WHENEVER THERE IS A CHANGE AT THE CONSTRUCTION SITES THAT HAS OR COULD HAVE A SIGNIFICANT EFFECT ON THE DISCHARGE OF POLLUTANTS TO WATERS OF THE STATE. DURING THE CONSTRUCTION PROCESS, IF UNPREDSEEN ISSUES ARISE THAT CANNOT BE RESOLVED ON SITE, CONSTRUCTION ACTIVITY (OTHER THAN SWPPP MAINTENANCE) SHALL BE HALTED AND THE CITY INSPECTOR AND THE PROJECT ENGINEER ARE TO BE CONTACTED AND INFORMED OF THE SITUATION.

- BMP'S:** C150 MATERIALS ON HAND
C160 CERTIFIED EROSION AND SEDIMENT CONTROL LEAD
C162 SCHEDULING

- PROTECT ON-SITE BMP'S. ON-SITE STORMWATER MANAGEMENT BMP'S USED FOR RUNOFF FROM ROOFS AND OTHER HARD SURFACES INCLUDE: FULL DISPERSION, ROOF DOWNSPOUT FULL INFILTRATION OR DISPERSION SYSTEMS, PERFORATED SYMBIOT CONDITIONS, RAIN GARDENS, BIORETENTION SYSTEMS, PERMEABLE PAVEMENT, SHEET FLOW DISPERSION, AND CONCENTRATED FLOW DISPERSION. THE AREAS ON THE SITE TO BE USED FOR THESE BMP'S SHALL BE PROTECTED FROM SILTATION AND COMPACTION DURING CONSTRUCTION BY SEQUENCING THE CONSTRUCTION IN A FASHION TO INSTALL THESE BMP'S AT THE LATTER PART OF THE CONSTRUCTION GRADING OPERATIONS, BY EXCLUDING EQUIPMENT FROM THE BMP'S AND THE ASSOCIATED AREAS, AND BY USING THE EROSION AND SEDIMENTATION CONTROL BMP'S LISTED BELOW. ADDITIONAL REQUIREMENTS FOR PROTECTING THESE BMP'S DURING THE CONSTRUCTION PROCESS, TESTING FUNCTIONALITY, AND RESTORING FUNCTIONALITY, AND RESTORING FUNCTIONALITY ARE NEEDED AT THE FINAL STAGE OF THE CONSTRUCTION PROCESS AND ARE INCLUDED IN THE SPECIFIC BMP SECTIONS IN VOLUME V OF THIS MANUAL.

- BMP'S:** C100: BUFFER ZONE
C103: HIGH VISIBILITY FENCE
C200: INTERCEPTOR DIKE AND SWALE
C201: GRASS LINED CHANNELS
C207: CHECK DAMS
C208: TRIANGULAR SILT DIKE (TSD) (GEOTEXTILE-ENCASED CHECK DAM)
C231: BRUSH BARRIER
C233: SILT FENCE
C234: VEGETATED STRIP

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE NOTES

- THE TEMPORARY CONSTRUCTION ENTRANCE SHOULD BE CLEARED OF ALL VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL. ANY DRAINAGE FACILITIES REQUIRED BECAUSE OF WASHING SHOULD BE CONSTRUCTED ACCORDING TO SPECIFICATIONS IN THE PLAN. IF WASH ROCKS ARE USED, THEY SHOULD BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- GRAVEL SHALL BE CRUSHED BALLAST ROCK, 12" IN DEPTH AND INSTALLED TO THE SPECIFIED DIMENSIONS AT THE ENTRANCE.
- THE GRAVEL BALLAST ROCK SHALL BE 4" TO 8" IN DIAMETER AND PLACED ACROSS THE FULL WIDTH OF THE VEHICULAR INGRESS AND EGRESS AREA. THE LENGTH SHALL BE A MINIMUM OF 100 FEET.
- IF CONDITIONS ON THE SITE ARE SUCH THAT MOST OF THE MUD IS NOT REMOVED FROM VEHICLE TIRES BY CONTACT WITH THE GRAVEL, THEN THE TIRES MUST BE WASHED BEFORE VEHICLES ENTER ONTO A PUBLIC ROAD. WASH WATER MUST BE CARRIED AWAY FROM ENTRANCE TO A SETTLING AREA TO REMOVE SEDIMENT. A WASH RACK MAY ALSO BE USED TO MAKE WASHING MORE CONVENIENT AND EFFECTIVE.
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRED PERIODIC TOP DRESSING WITH 2" STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN OUT ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAY OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

GRADING, EROSION AND SEDIMENTATION CONTROL NOTES:

- ALL LIMITS OF CLEARING AND AREAS OF VEGETATION PRESERVATION AS PRESCRIBED ON THE PLANS SHALL BE CLEARLY FLAGGED IN THE FIELD AND OBSERVED DURING CONSTRUCTION.
- ALL REQUIRED SEDIMENTATION AND EROSION CONTROL FACILITIES MUST BE CONSTRUCTED AND IN OPERATION PRIOR TO ANY LAND CLEARING AND/OR CONSTRUCTION TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER THE NATURAL DRAINAGE SYSTEM. THE CONTRACTOR SHALL SCHEDULE AN INSPECTION OF THE EROSION CONTROL FACILITIES PRIOR TO ANY LAND CLEARING AND/OR OTHER CONSTRUCTION. ALL EROSION SEDIMENT FACILITIES SHALL BE MAINTAINED IN A SATISFACTORY CONDITION AS DETERMINED BY THE CITY. UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED AND FINAL STABILIZATION HAS OCCURRED, THE IMPLEMENTATION, MAINTENANCE, REPLACEMENT, AND ADDITIONS TO THE EROSION AND SEDIMENTATION CONTROL SYSTEMS SHALL BE THE RESPONSIBILITY OF THE PERMITTEE.
- THE EROSION AND SEDIMENTATION CONTROL SYSTEM FACILITIES DEPICTED ON THESE PLANS ARE INTENDED TO BE MINIMUM REQUIREMENTS TO MEET ANTICIPATED SITE CONDITIONS. AS CONSTRUCTION PROGRESS AND UNEXPECTED OR SEASONAL CONDITIONS DICTATE, FACILITIES WILL BE NECESSARY TO ENSURE COMPLETE SILTATION CONTROL ON THE SITE. DURING THE COURSE OF CONSTRUCTION, IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE PERMITTEE TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES OVER AND ABOVE THE MINIMUM REQUIREMENTS, AS MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES, SENSITIVE AREAS, NATURAL WATER COURSES, AND/OR STORM DRAINAGE SYSTEMS.
- APPROVAL OF THESE PLANS IS FOR GRADING, TEMPORARY DRAINAGE, EROSION AND SEDIMENTATION CONTROL ONLY. IT DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT STORM DRAINAGE DESIGN, SIZE OR LOCATION OF PIPES, RESTRICTIONS, CHANNELS, OR RETENTION FACILITIES.
- ANY DISTURBED AREA WHICH HAS BEEN STRIPPED OF VEGETATION AND WHERE NO FURTHER WORK IS ANTICIPATED FOR THE TIME PERIOD SET FORTH BY THE SWPPP, MUST BE IMMEDIATELY STABILIZED WITH MULCHING, GRASS PLANTING OR OTHER APPROVED EROSION CONTROL TREATMENT APPLICABLE TO THE TIME OF YEAR IN QUESTION. DURING THE DRY SEASON (MAY 1 - SEPTEMBER 30) SOILS MAY BE EXPOSED AND UNWORKED FOR 7 DAYS. DURING THE WET SEASON (OCTOBER 1 - APRIL 30) SOILS MAY BE EXPOSED AND UNWORKED FOR 2 DAYS. GRASS SEEDING WILL BE ACCEPTABLE ONLY DURING THE DRY SEASON. SEEDING MAY PROCEED OUTSIDE THE SPECIFIED TIME PERIOD WHENEVER IT IS IN THE INTEREST OF THE PERMITTEE BUT MUST BE AUGMENTED WITH MULCHING, NETTING, OR OTHER TREATMENT APPROVED BY THE CITY.
- IN CASE EROSION OR SEDIMENTATION OCCURS TO ADJACENT PROPERTIES, ALL CONSTRUCTION WORK WITHIN THE DEVELOPMENT THAT FURTHER AGGRAVATE THE SITUATION MUST CEASE, AND THE OWNER/CONTRACTOR WILL IMMEDIATELY COMMENCE RESTORATION METHODS. RESTORATION ACTIVITY WILL CONTINUE UNTIL SUCH TIME AS THE AFFECTED PROPERTY OWNER IS SATISFIED.
- STOCKPILES ARE TO BE LOCATED IN SAFE AREAS AND ADEQUATELY PROTECTED BY TEMPORARY SEEDING AND MULCHING. HYDROSEEDING IS PREFERRED. NO TEMPORARY OR PERMANENT STOCKPILING OF MATERIALS OR EQUIPMENT SHALL OCCUR WITHIN CRITICAL AREAS OR ASSOCIATED BUFFERS, OR THE CRITICAL ROOT ZONE FOR VEGETATION PROPOSED FOR RETENTION.
- NON-COMPLIANCE WITH THE REQUIREMENTS FOR EROSION CONTROLS, WATER QUALITY, AND CLEARING LIMITS MAY RESULT IN REVOCATION OF PROJECT PERMIT, PLAN APPROVAL AND BOND FORFEITURES.
- ALL EARTH WORK SHALL BE PERFORMED IN ACCORDANCE WITH CITY STANDARD. PRECONSTRUCTION SOILS INVESTIGATION MAY BE REQUIRED TO EVALUATE SOILS STABILITY.
- IF CUT AND FILL SLOPES EXCEED A MAXIMUM OF TWO FEET HORIZONTAL TO ONE FOOT VERTICAL, A ROCK OR CONCRETE RETAINING WALL MAY BE REQUIRED. ALL ROCK RETAINING WALLS GREATER THAN FOUR (4) FEET IN HEIGHT ARE TO BE DESIGNED AND CERTIFIED BY A PROFESSIONAL ENGINEERING EXPERIENCED IN SOIL MECHANICS.
- THE SURFACE OF ALL SLOPES SHALL BE COMPACTED. THIS MAY BE ACCOMPLISHED BY OVER-BUILDING THE SLOPES, THEN CUTTING BACK TO FINAL GRADES; OR BY COMPACTING EACH LIFT AS THE SLOPE IS BEING CONSTRUCTED. ALL SLOPES SHALL BE COMPACTED BY THE END OF EACH WORKING DAY.
- UPON COMPLETION OF WORK, FINAL MUST BE SUBMITTED TO THE CITY IN COMPLIANCE WITH THE CURRENT CITY ADOPTED INTERNATIONAL BUILDING CODE.

WET WEATHER GRADING NOTES

- THE CONSTRUCTION SEQUENCE SHALL BE MODIFIED TO MINIMIZE THE AREA OF SOIL EXPOSED.
- EARTHEN AREAS THAT ARE SUBJECT TO CONTRIBUTING SEDIMENTS DURING STORM EVENTS AND WHERE EARTH MOVEMENT IS NOT ANTICIPATED FOR 48-HOURS SHALL BE STABILIZED USING THE FOLLOWING BMP'S: HYDROSEEDING & MULCHING (4" THICK STRAW) OR COVERING DISTURBED AREAS AND STOCK PILES WITH PLASTIC SHEETING.
- WET WEATHER TESC MEASURES WILL BE EXPANDED TO INCLUDE CONSTRUCTION AREA STABILIZATION (EXTEND CONSTRUCTION ENTRANCE), SEDIMENT TRAPS, AND ADDITIONAL SILT FENCES. IF NECESSARY, WINTER CONDITIONS TEMPORARY EROSION & SEDIMENT CONTROL BMP'S: FROM OCTOBER 1 TO APRIL 30, NO SOIL MAY REMAIN EXPOSED FOR MORE THAN 2 DAYS, OTHERWISE NO SOIL MAY REMAIN EXPOSED FOR MORE THAN 7 DAYS. COVER PRACTICES: THE EXISTING VEGETATION SHOULD BE LEFT UNDISTURBED WHERE POSSIBLE TO LIMIT EROSION. DISTURBED AREAS SHALL BE COVERED WITH MULCH, SOD, PLASTIC OR MATTING. STOCKPILES OR SLOPES STEEPER THAN 2:1 SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT RETENTION BMP'S WITHIN 24 HOURS OF FORMATION. STRUCTURE PROTECTION: SILT FENCES AROUND THE PERMITTEE WILL PREVENT SEDIMENT LADEN WHERE ACTIVE GRADING IS IN PROGRESS. THE DIRECTOR MAY EXTEND THE DEADLINE FOR SOIL STABILIZATION UPON DETERMINING THAT THE LIKELIHOOD OF EROSION IMPACTS IS LOW BASED ON THE TYPE AND AMOUNT OF SOIL EXPOSED, SITE TOPOGRAPHY, THE POTENTIAL FOR DISCHARGE TO CRITICAL AREAS AND LAKES, AND OTHER FACTORS. DISTURBED AREAS SHALL BE COVERED WITH MULCH, SOD, PLASTIC OR MATTING. GRADING CONSTRUCTION SHALL BE TIMED AND CONDUCTED IN STAGES TO MINIMIZE SOIL EXPOSURE.
- SOILS SHALL NOT BE DISTURBED EXCEPT FOR ACTUAL CONSTRUCTION ACTIVITIES. PARKING IS ALLOWED ONLY ON PAVED AND/OR GRAVEL SURFACES.
- SLOPES 8:8 AND GREATER WITHOUT ESTABLISHED GROUND COVER WILL BE STABILIZED WITH PLASTIC SHEETING, 6-MIL (MINIMUM) THE SHEETING SHALL BE ANCHORED WITH SAND BAGS LOCATED 5- FEET APART ON THE PERMETER AND 10- FEET ON CENTER ON THE REMAINDER OF THE SHEETING. A MINIMUM OF 2- FEET OVERLAP IS REQUIRED FOR OVERLAPPING SHEETS.
- WATER DISCHARGED FROM THE SITE WILL BE MONITORED FOR TURBIDITY. THE MAXIMUM ALLOWABLE TURBIDITY OF DISCHARGED WATER WILL BE 5 NTU OVER BACKGROUND.
- WHEN RAINFALL IS HEAVY (DEFINED AS RAINFALL HARD ENOUGH TO PRODUCE SEDIMENT RUN-OFF FROM EXPOSED DIRT), ALL EXPOSED EARTHWORK SHALL BE COVERED. NO OTHER CONSTRUCTION ACTIVITY SHALL OCCUR ON PERVIOUS SURFACES DURING THESE PERIODS OF HEAVY RAIN.
- ALL DRAINAGE SWALES SHALL BE FULLY VEGETATED. SWALES SHALL BE SOODED IF THE VEGETATION GROWING IN THE SWALE IS INSUFFICIENT TO PROVIDE WATER QUALITY AND TO PREVENT EROSION OF THE SWALE.
- FILTER FABRIC (GEOTEXTILE FABRIC) SHALL BE INSTALLED BENEATH THE ENTIRE CONSTRUCTION ENTRANCE.
- IF THERE IS A MEASURABLE INCREASE IN THE TURBIDITY OF THE RECEIVING WATER GREATER THAN 5 NTU'S, THE WATER IN THE TEMPORARY SEDIMENTATION POND SHALL BE PUMPED TO UNDISTURBED VEGETATION ON SITE.

BMP NOTES:

- COVER PRACTICES: THE EXISTING VEGETATION SHOULD BE LEFT UNDISTURBED WHERE POSSIBLE TO LIMIT EROSION. DISTURBED AREAS SHALL BE COVERED WITH MULCH AND/OR MATTING. STOCKPILES OR SLOPES STEEPER THAN 2:1 SHALL BE COVERED WITH PLASTIC SHEETING HELD IN PLACE WITH SAND BAGS.

INFILTRATION FACILITY NOTES

- INFILTRATION FACILITY INSTALLATIONS SHALL BE DIRECTED/OVERSEEN BY A LICENSED GEOTECHNICAL ENGINEER IF DIRECTED BY THE CITY ENGINEER OR DESIGNER. THE GEOTECHNICAL ENGINEER SHALL CERTIFY THAT THE UNDERLYING SOIL TYPE AND CONDITION (NATIVE OR FILL SOIL) MEETS THE DESIGN SPECIFICATION PRIOR TO BACKFILLING.
- THE GEOTECHNICAL ENGINEER WILL PRESCRIBE CORRECTIVE ACTION FOR SOIL THAT DOES NOT MEET THE DESIGN SPECIFICATION. SOIL THAT HAS BEEN OVER COMPACTED OR FOR SOIL THAT HAS BEEN CONTAMINATED BY TURBIDITY. FINAL ENGINEERING APPROVAL IS REQUIRED FROM THE CITY.
- PERFORMANCE TESTING AND VERIFICATION FOR A FACILITY SHALL BE CONDUCTED BEFORE FINAL CONSTRUCTION APPROVAL BY THE CITY, OR PRIOR TO CONSTRUCTION OF OTHER PROJECT IMPROVEMENTS OR RECORDING OF A SUBDIVISION AS REQUIRED BY MMC 14.15.120. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING CORRECTIONS TO ENSURE THE STORMWATER SYSTEM FUNCTIONS AS DESIGNED.

HYDROSEEDING GENERAL NOTES

- CONSTRUCTION ACCEPTANCE WILL BE SUBJECT TO WELL ESTABLISHED GROUND COVER THAT FULFILLS THE REQUIREMENTS OF THE APPROVED CONSTRUCTION PLANS AND THE CITY OF MARYSVILLE STANDARDS.
- ALL LAND DISTURBANCE AREAS SUCH AS RETENTION FACILITIES, ROADWAY BACK-SLOPES, ETC., SHALL BE SEEDED WITH A PERENNIAL GROUND COVER GRASS TO MINIMIZE EROSION. GRASS SEEDING WILL BE DONE USING AN APPROVED HYDROSEEDER OR AS OTHERWISE APPROVED BY THE CITY OF MARYSVILLE.
- PREPARATION OF SURFACE: ALL AREAS TO BE SEEDDED SHALL BE PREPARED IN A MANNER CONSISTENT WITH BMP 15.13 POST CONSTRUCTION SOIL QUALITY AND DEPTH IN CHAPTER 5 OF VOLUME V OF THE STORMWATER MANUAL.
- IMMEDIATELY FOLLOWING FINISH GRADING, PERMANENT VEGETATION SHALL BE APPLIED CONSISTENT WITH THE DESIGN AND MAINTENANCE STANDARDS FOR TEMPORARY AND PERMANENT SEEDING IN THE CITY ADOPTED DEPARTMENT OF ECOLOGY STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON.
- ALL HYDROSEEDING FIRMS SHALL HAVE A PRINTOUT OF THE APPLICATION RATE FOR EACH JOB READILY AVAILABLE FOR INSPECTION BY THE CONSTRUCTION INSPECTION DIVISION OF COMMUNITY DEVELOPMENT.
- THE CITY OF MARYSVILLE CONSTRUCTION INSPECTION DIVISION OF COMMUNITY DEVELOPMENT SHALL BE NOTIFIED OF POTENTIAL HYDROSEEDING PRIOR TO THE COMMENCEMENT OF SAME TO ENSURE COMPLIANCE WITH THESE SPECIFICATIONS.

POTENTIAL POLLUTANTS

THERE ARE THREE TYPES OF POTENTIAL POLLUTANTS THAT THIS SWPPP IS INTENDED TO ADDRESS:

- HAZARDOUS CHEMICALS
- PETROLEUM PRODUCTS
- SEDIMENT

REASONABLE CARE AND DISCRETION SHALL BE EXERCISED TO PREVENT DAMAGING THE ENVIRONMENT THROUGH A RELEASE OF ANY OF THE THREE TYPES OF POLLUTION. THIS SWPPP IS TO BE CONSIDERED A GUIDE, AND REPRESENTS ONLY THE MINIMUM STANDARD OF CARE TO BE PRACTICED DURING THE CONSTRUCTION PHASE OF THIS PROJECT. A CERTIFIED EROSION AND SEDIMENT CONTROL LEAD (CESSL) SHALL BE RESPONSIBLE FOR EVALUATING THE CONDITIONS AND POLLUTION POTENTIAL ON THE PROJECT SITE AT ALL TIMES AND DETERMINING WHAT ADDITIONAL MEASURES NEED TO BE ENACTED TO PROTECT THE ENVIRONMENT. THIS MAY INCLUDE STOPPING CONSTRUCTION UNTIL CONDITIONS CHANGE SUCH THAT THE DANGER TO THE ENVIRONMENT HAS BEEN MINIMIZED.

HAZARDOUS CHEMICALS

HAZARDOUS CHEMICALS, SUCH AS CLEANING AGENTS AND SOLVENTS, SHALL BE STORED IN AN APPROVED CHEMICAL STORAGE FACILITY(IES), LOCATED IN THE EQUIPMENT STAGING AREA. WHEN USING CHEMICALS DURING CONSTRUCTION ACTIVITY, CARE SHALL BE TAKEN TO GUARD AGAINST SPILLAGE. IN THE EVENT OF A CHEMICAL RELEASE, THE APPROPRIATE AUTHORITIES ARE TO BE NOTIFIED AND THE SPILL IS TO BE CLEANED UP IMMEDIATELY.

PETROLEUM PRODUCTS

THE CONSTRUCTION SITE IS TO BE PROTECTED AGAINST EXCESSIVE PETROLEUM POLLUTION. ALL CONSTRUCTION EQUIPMENT AND VEHICLES SHALL HAVE A REGULAR MAINTENANCE SCHEDULE, AS RECOMMENDED BY THE PRODUCT MANUFACTURER, WITH PARTICULAR ATTENTION/CARE BEING PAID TO LOCATIONS THAT ARE COMMONLY KNOWN TO LEAK LUBRICANTS. UPON DISCOVERY OF AN UNSATISFACTORY PART, THAT VEHICLE/EQUIPMENT SHALL NOT BE OPERATED UNTIL IT HAS BEEN FIXED. ADDITIONALLY, ALL OIL AND REFUELING OPERATIONS ARE TO BE CONDUCTED IN A DESIGNATED AREA THAT HAS BEEN PREPARED TO PREVENT THE LOSS OF SPILLED OIL/FUEL TO THE ENVIRONMENT THROUGH THE USE OF A LINDER, SPILL TRAP OR OTHER MEANS.

SEDIMENT

THE RELEASE OF SEDIMENT TO THE ENVIRONMENT SHALL BE PREVENTED AT ALL TIMES. THE FOLLOWING BMP'S ARE TO BE CONSIDERED THE MINIMUM PROTECTION MEASURES:

- THE DISTRIBUTION/TRACKING OF MUD/SEDIMENT ONTO ROADS FROM CONSTRUCTION EQUIPMENT/VEHICLES SHALL BE PREVENTED. THE CONSTRUCTION SITE SHALL BE ACCESSED VIA A ROCK CONSTRUCTION ENTRANCE, UNDERLAIN BY A GEO-TEXTILE FABRIC. THE CONSTRUCTION ENTRANCE SHALL BE EXTENDED IF NECESSARY TO PROVIDE ACCESS TO THE EMPLOYEE PARKING AND EQUIPMENT STORAGE AREAS PRIOR TO LEAVING THE CONSTRUCTION SITE. CONSTRUCTION EQUIPMENT/VEHICLES SHALL BE INSPECTED FOR MUD/SEDIMENT AND ALL WHEELS AND SURFACES ARE TO BE BRUSHED/CLEANED/WASHED AS NECESSARY PRIOR TO LEAVING THE CONSTRUCTION SITE. ADDITIONALLY, THE EXISTING PAVEMENT OF ROAD SYSTEMS ADJACENT TO THE PROJECT SITE WILL BE SWEEP DAILY WHEN SEDIMENT IS TRACKED OFF SITE.
- COVER MATERIALS (I.E. STRAW, MULCH OR PLASTIC SHEETING) SHALL BE STORED ON SITE IN SUFFICIENT QUANTITIES SUCH THAT ALL PORTIONS OF EXPOSED EARTH CAN BE COMPLETELY COVERED TO PREVENT EROSION. RUNOFF FROM THE AREA THAT IS PROPOSED TO BE DISTURBED SHALL BE INTERCEPTED BY INTERCEPTOR CHANNELS, AND CONVEYED TO A TEMPORARY SEDIMENTATION POND. DISCHARGE FROM THE TEMPORARY POND WILL BE THROUGH A GRAVEL FILTER COKE TO THE EXISTING STORM SYSTEM.
- THE PLANNED CONSTRUCTION ACTIVITIES SHALL BE EVALUATED ON A DAILY BASIS, TAKING INTO CONSIDERATION THE LATEST WEATHER FORECAST. THE WEATHER FORECAST SHALL DICTATE WHETHER LARGE-SCALE EARTH MOVING OPERATIONS SHALL COMMENCE OR CONTINUE. IF PRECIPITATION OCCURS DURING CONSTRUCTION ACTIVITY, AND IS INTENSE ENOUGH TO GENERATE RUNOFF, ALL EARTH MOVING ACTIVITIES SHALL CEASE AND EXPOSED EARTH SHALL BE COVERED TO PREVENT EROSION WHILE PRECIPITATION PERSISTS. THE ONLY CONSTRUCTION ACTIVITY THAT SHALL BE ALLOWED ARE THOSE ACTIVITIES REQUIRED TO MAINTAIN EXISTING EROSION CONTROL MEASURES. INSTALL NEW EROSION CONTROL BMP'S AS NECESSARY AND NON-EROSION/SEDIMENT GENERATING ACTIVITIES.
- CONSTRUCTION ACTIVITIES SHALL BE PHASED TO MINIMIZE THE SURFACE AREA OF EXPOSED EARTH AT ANY GIVEN TIME. THE CLEARING/GRADING LIMITS ARE IDENTIFIED ON THE PLAN SHEET.
- SPECIFY BMP FOR CLEANING PAVEMENT SURFACES AT THE END OF EACH WORKING DAY.

CITY OF MARYSVILLE
CONSTRUCTION DRAWING REVIEW ACKNOWLEDGMENT

THIS PLAN SHEET HAS BEEN REVIEWED AND EVALUATED FOR GENERAL COMPLIANCE WITH THE APPLICABLE CITY OF MARYSVILLE CODES AND ORDINANCES. CONFORMANCE OF THIS DESIGN WITH ALL APPLICABLE LAWS AND REGULATIONS IS THE FULL AND COMPLETE RESPONSIBILITY OF THE LICENSED DESIGN ENGINEER, WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEET. ACKNOWLEDGMENT OF CONSTRUCTION DRAWING REVIEW DOES NOT IMPLY CITY APPROVAL FOR CONSTRUCTION ACTIVITIES THAT REQUIRED OTHER COUNTY, STATE, OR FEDERAL PERMIT REVIEW AND APPROVAL. THE PROPERTY OWNER AND LICENSED DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE ACQUISITION AND COMPLIANCE OF ALL APPLICABLE PERMITS OR AUTHORIZATIONS WHICH MAY INCLUDE, BUT ARE NOT LIMITED TO, WSDM HYDRAULIC PROJECT APPROVAL (HPA), WSDM NOTICE OF INTENT (NOI), ANY CORP OF ENGINEERS FILL PERMITS AND THE REQUIREMENTS OF THE ENDANGERED SPECIES ACT.

THIS _____ DAY OF _____, 202__

BY: _____
PE - ENGINEERING SERVICES MANAGER

THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER PERIOD OF 18 MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINARY PLAT OR SITE PLAN

MAC ENGINEERING, LLC

P.O. BOX 177, SILVANA, WA 98287
TEL: (360) 652-5820
EMAIL: macengineering@frontier.com



DATE: 07/08/22

DATE	REVISION/ISSUED
07/08/22	ISSUED

CALL 48 HOURS BEFORE YOU DIG 1-800-424-5555

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.

PFN:

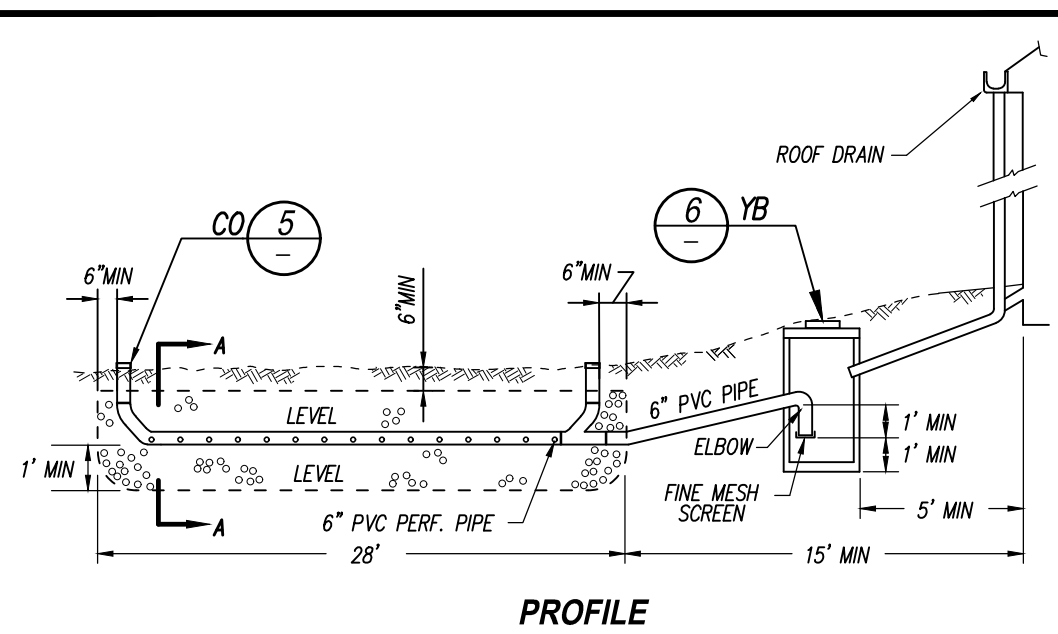
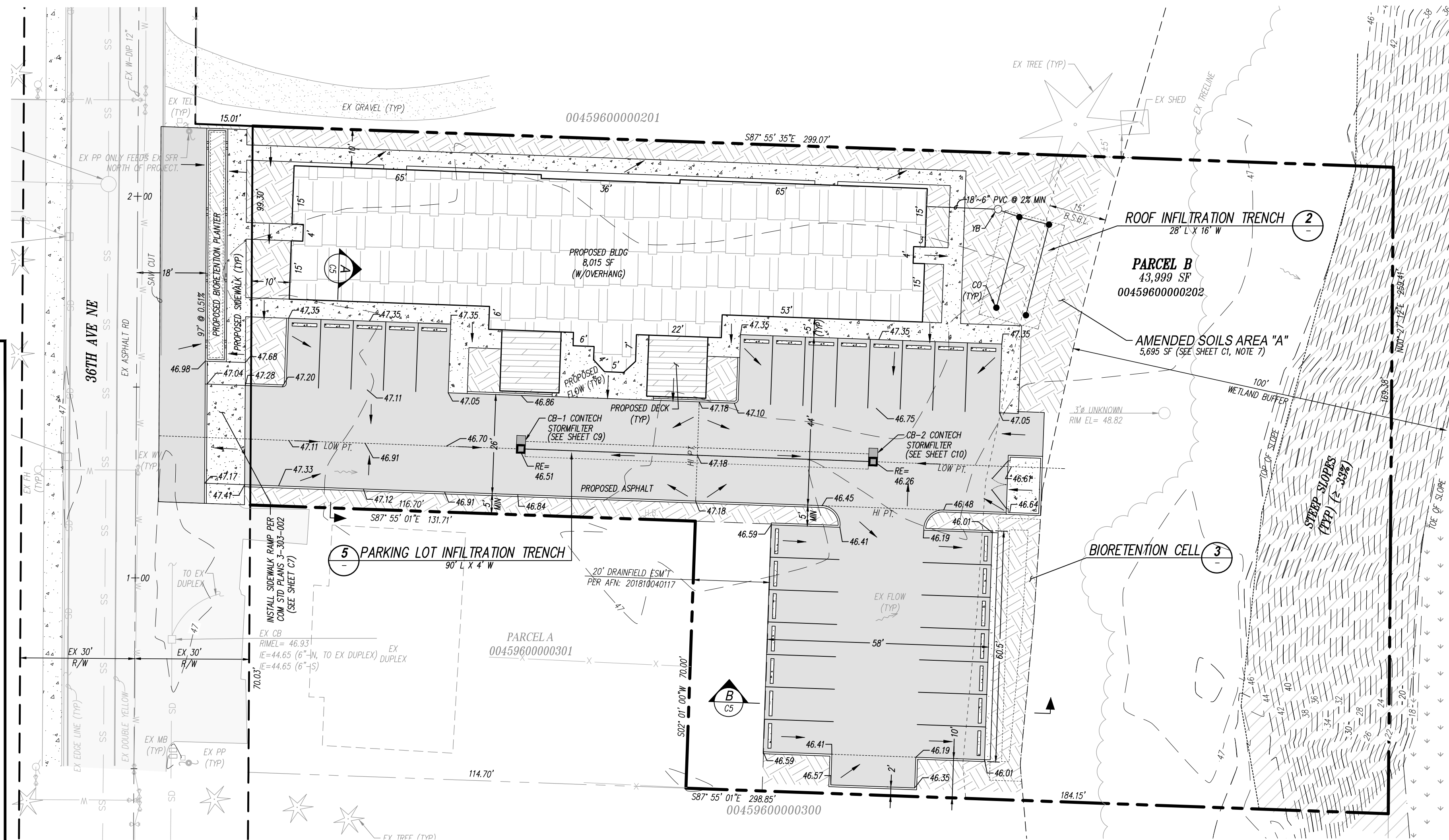
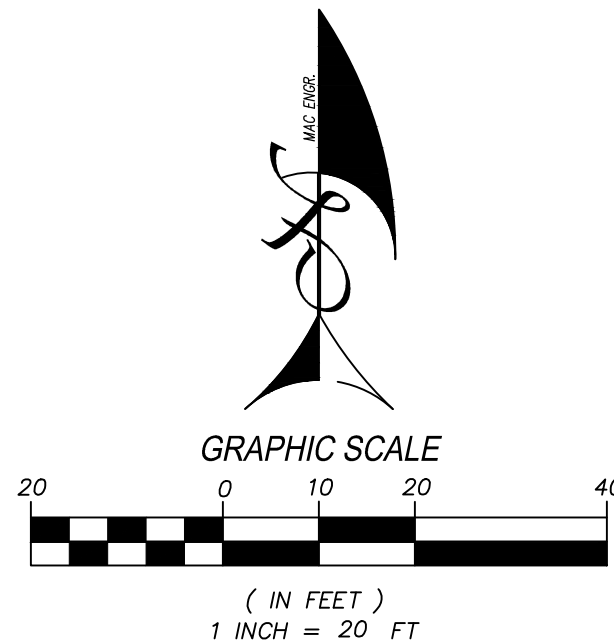
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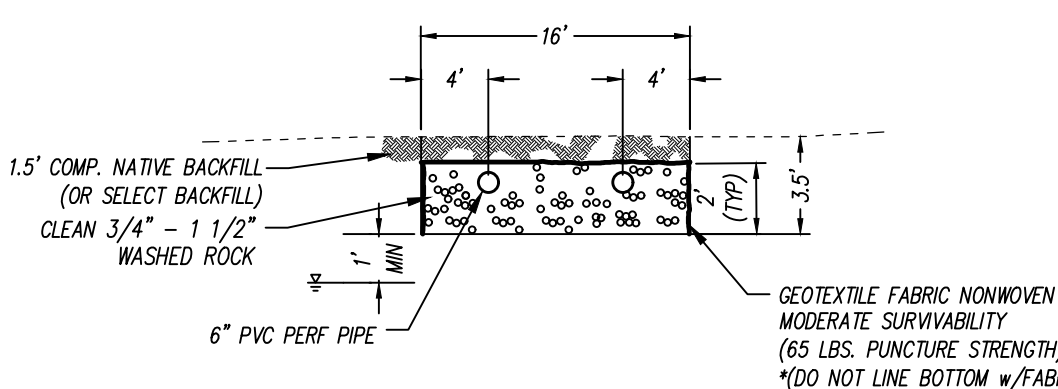
SWPPP NOTES

PROJECT NO.
220671

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C3
OF 8



PROFILE

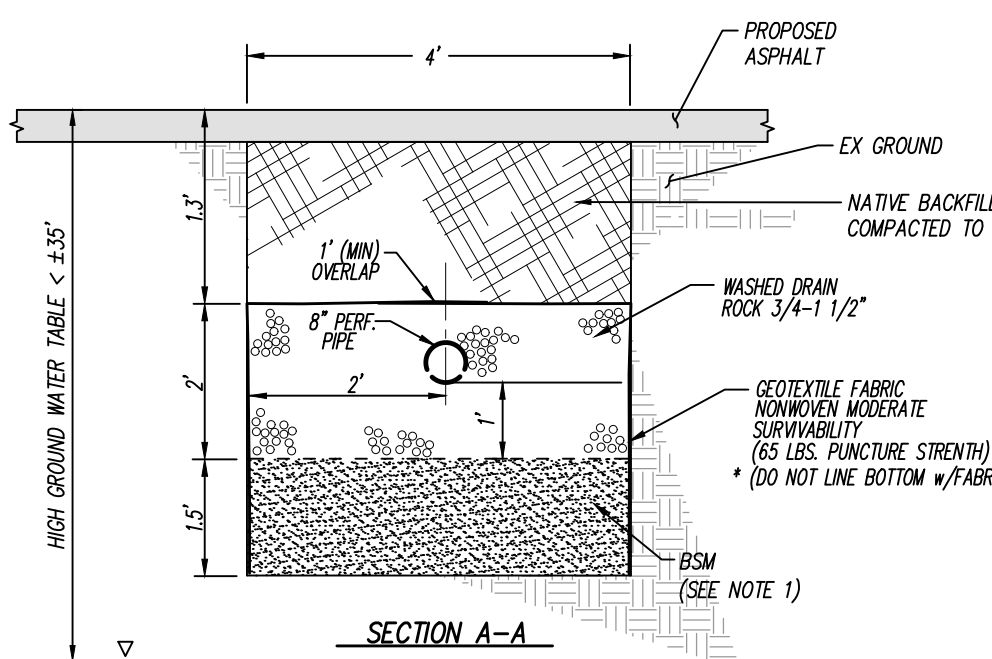


SECTION A-A

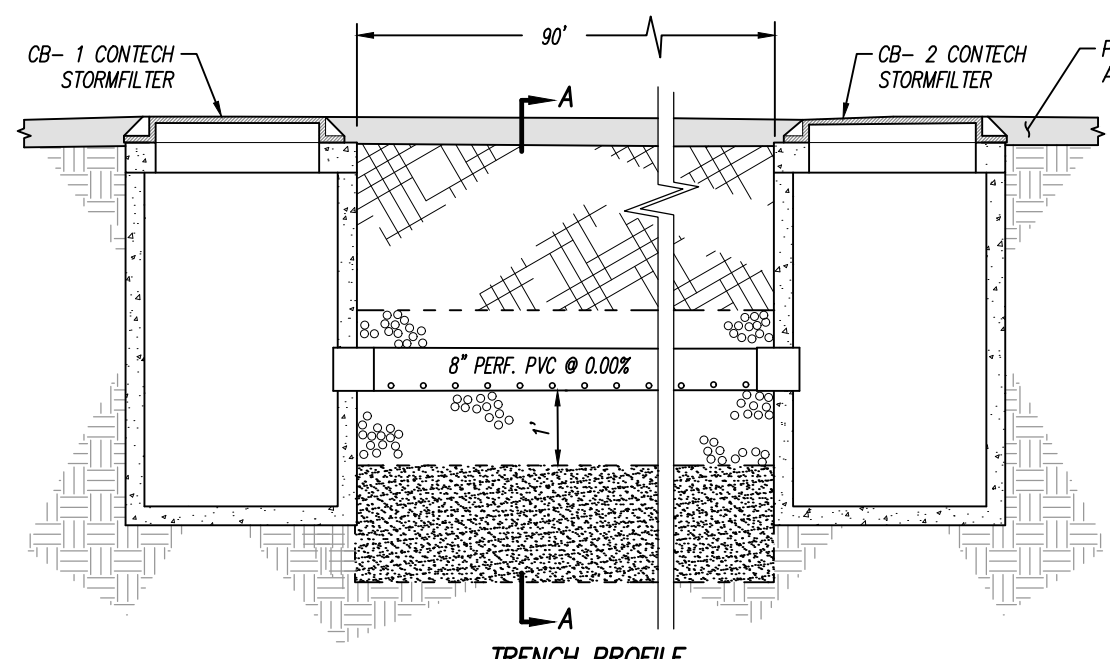
ROOF INFILTRATION TRENCH DETAIL

N.T.S.

2



SECTION A-A



TRENCH PROFILE

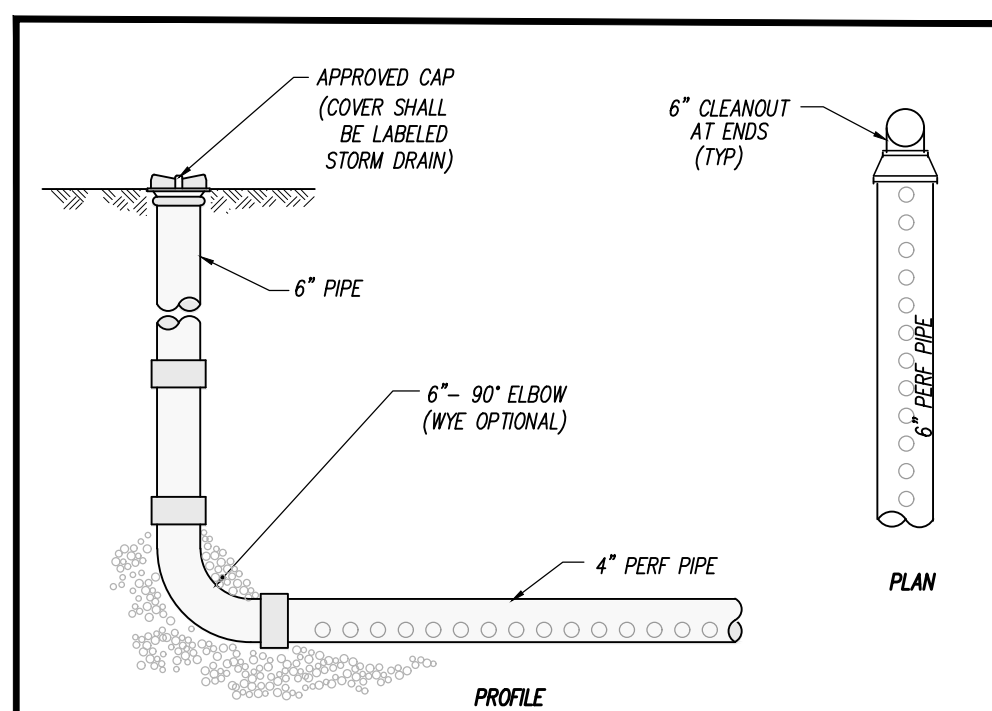
NOTES:

- ON-SITE NATIVE TOPSOILS MEET THE REQUIREMENTS OF SMMW VOL II, SEC 3.3.7, SSC 6 SOIL PHYSICAL AND CHEMICAL SUITABILITY FOR TREATMENT, THEREFORE NATIVE TOPSOIL WILL BE USED AS BSM BELOW THE INFILTRATION TRENCH.

PARKING LOT WATER QUALITY / INFILTRATION TRENCH DETAIL

N.T.S.

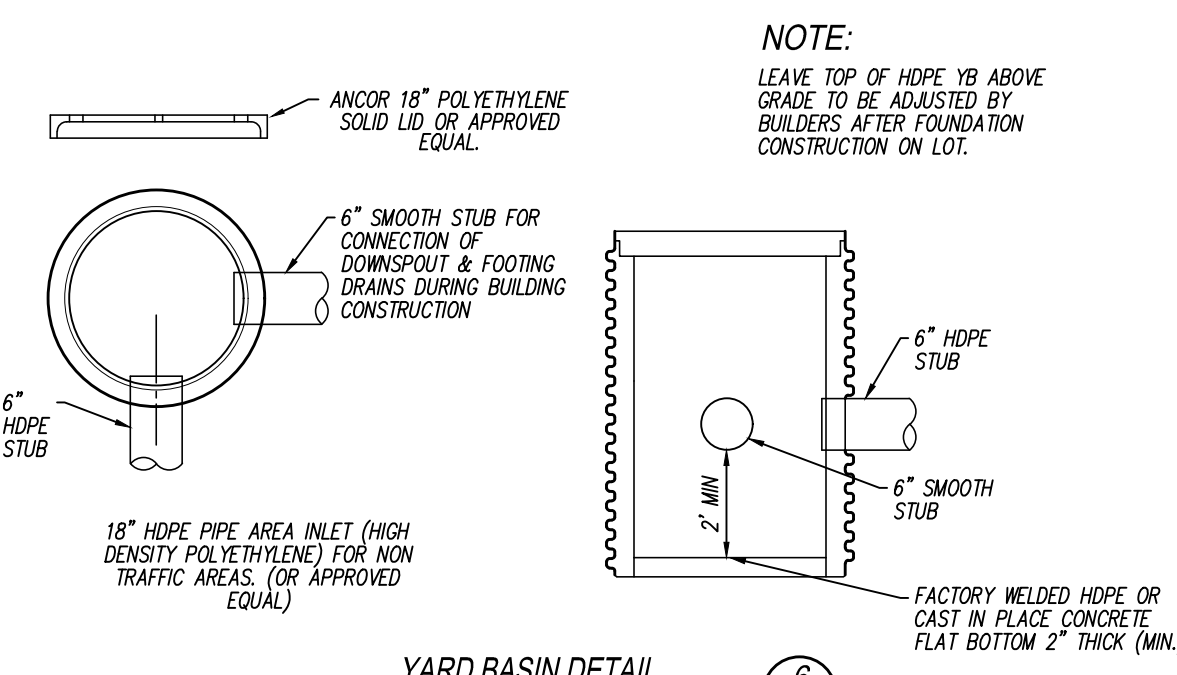
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6\"/>

N.T.S.

5



YARD BASIN DETAIL

N.T.S.

6

NOTES:

- RETENTION CELL BOTTOM SHALL BE FLAT.
- TOP OF CELL SHALL BE SET BACK FROM BUILDING, PROPERTY LINE, AND RIGHT-OF-WAY A MINIMUM OF 5'.
- ON-SITE NATIVE TOPSOILS MEET THE REQUIREMENTS OF SMMW VOL II, SEC 3.3.7, SSC 6 SOIL PHYSICAL AND CHEMICAL SUITABILITY FOR TREATMENT, THEREFORE NATIVE TOPSOIL WILL BE USED AS BSM IN THE BIORETENTION CELL.
- REFER SMMW VOL V, CH. 7, BMP 17.30 FOR ADDITIONAL INFORMATION.

BIORETENTION CELL DETAIL

N.T.S.

3

CITY OF MARYSVILLE CONSTRUCTION DRAWING REVIEW ACKNOWLEDGMENT

THIS PLAN SHEET HAS BEEN REVIEWED AND EVALUATED FOR GENERAL COMPLIANCE WITH THE APPLICABLE CITY OF MARYSVILLE CODES AND ORDINANCES. CONFORMANCE OF THIS DESIGN WITH ALL APPLICABLE LAWS AND REGULATIONS IS THE FULL AND COMPLETE RESPONSIBILITY OF THE LICENSED DESIGN ENGINEER, WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEET. ACKNOWLEDGMENT OF CONSTRUCTION DRAWING REVIEW DOES NOT IMPLY CITY APPROVAL FOR CONSTRUCTION ACTIVITIES THAT REQUIRE OTHER COUNTY, STATE OR FEDERAL PERMIT REVIEW AND APPROVAL. THE PROPERTY OWNER AND LICENSED DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE ACQUISITION AND COMPLIANCE OF ALL APPLICABLE PERMITS OR AUTHORIZATIONS WHICH MAY INCLUDE, BUT ARE NOT LIMITED TO, WSDOT HYDRAULIC PROJECT APPROVAL (HPA), WSDOT NOTICE OF INTENT (NOI), ANY CORP OF ENGINEERS FILL PERMITS AND THE REQUIREMENTS OF THE ENDANGERED SPECIES ACT.

THIS _____ DAY OF _____, 2022

BY: _____ PE - ENGINEERING SERVICES MANAGER

THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER PERIOD OF 18 MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINARY PLAN OR SITE PLAN

MAC ENGINEERING, LLC

P.O. BOX 177, SILVANA, WA 98287
TEL: (360) 652-5820
EMAIL: macengineering@frontier.com



DATE: 07/08/22

SURVEY PROVIDED BY:

PACIFIC COAST SURVEYS, INC.
LAND SURVEYING & MAPPING
P.O. BOX 13619
MILL CREEK, WA 98082
TEL: (425) 512-7099

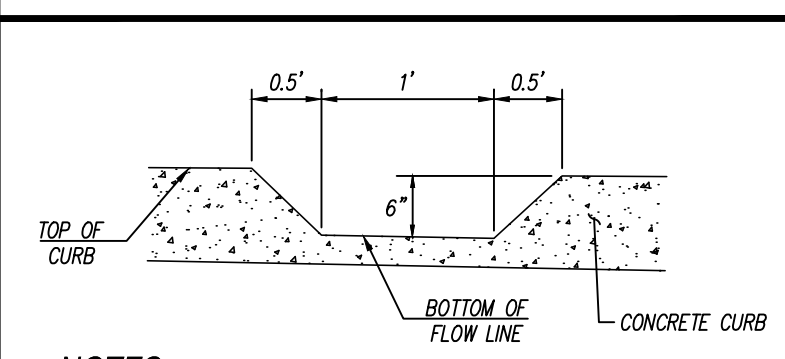
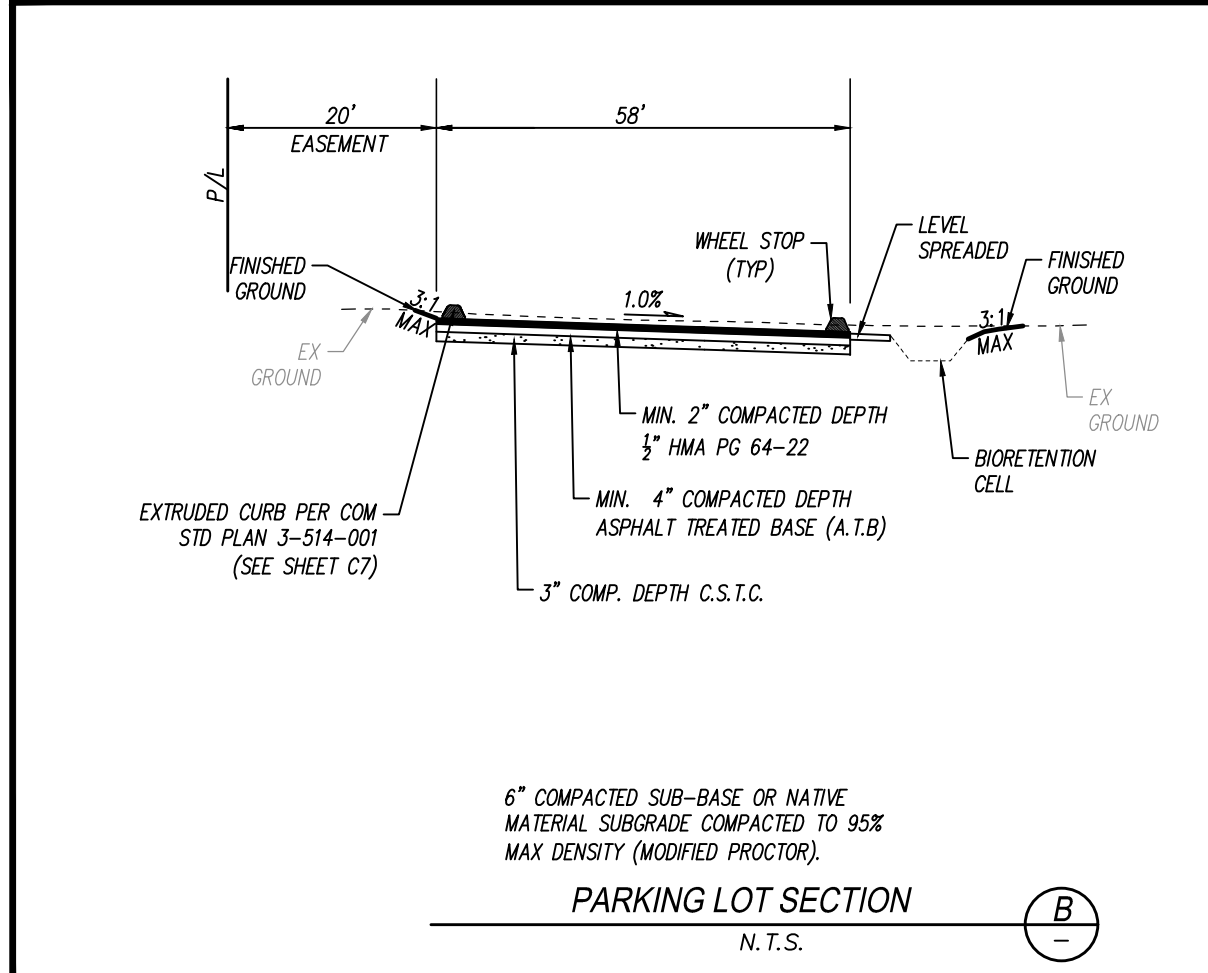
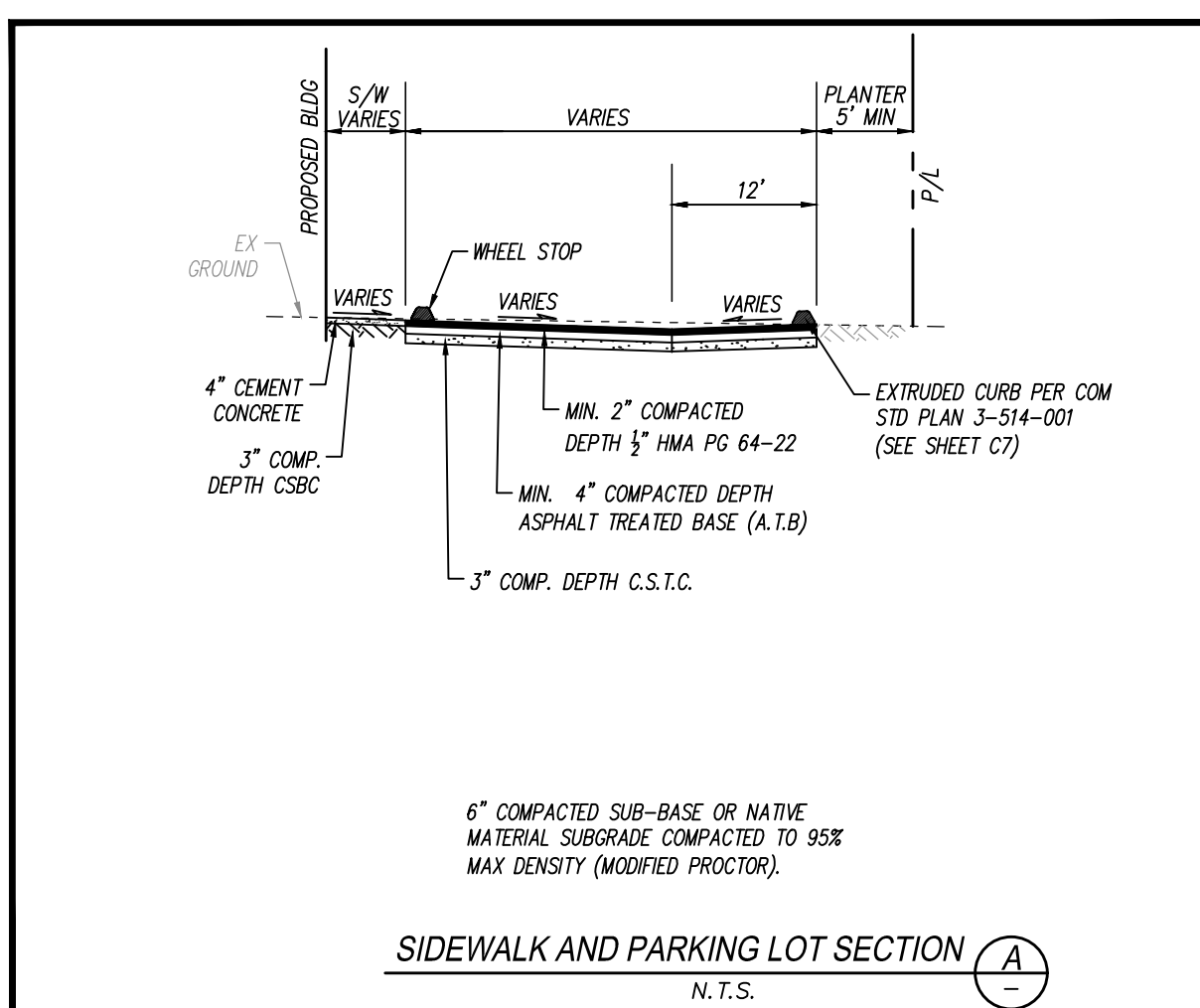
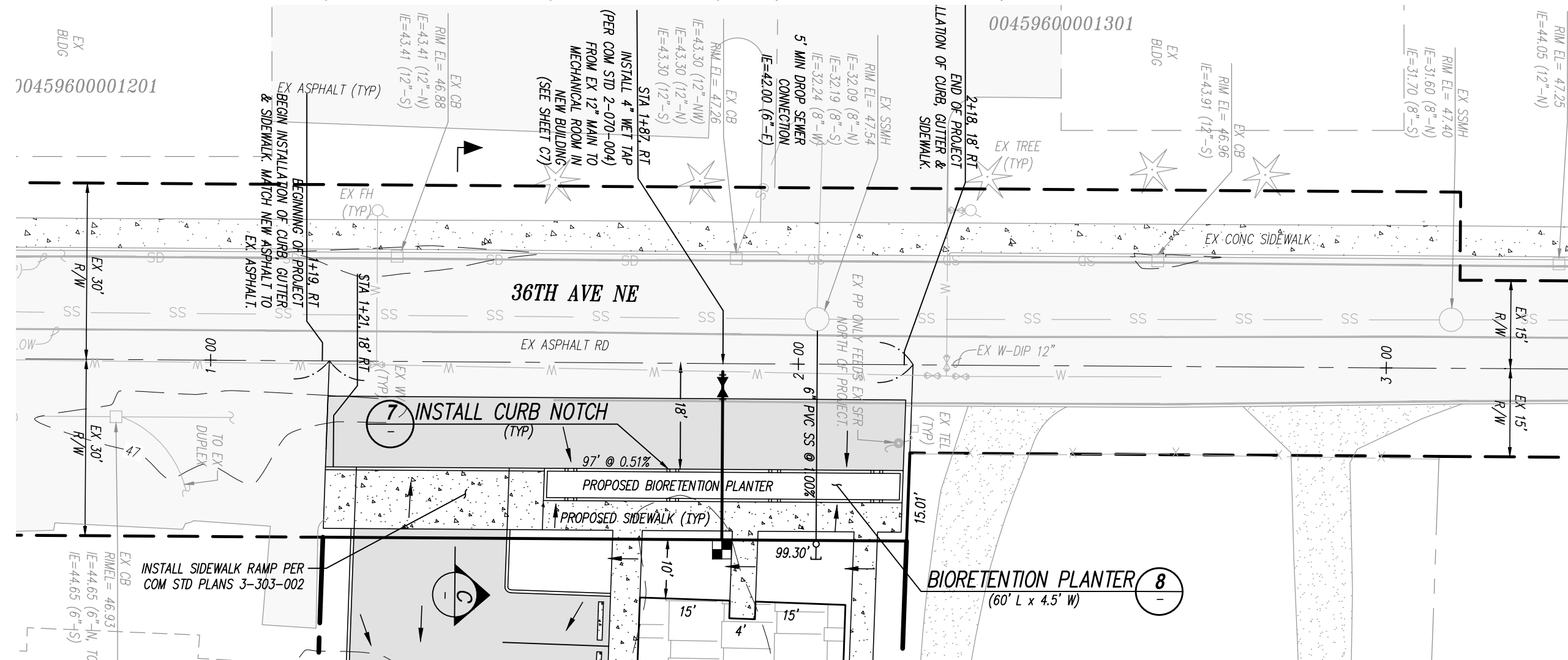
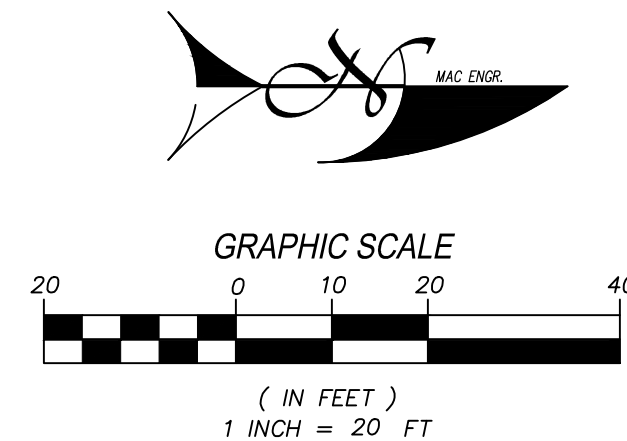
DATE	REVISION/ISSUED
07/08/22	ISSUED

CALL 48 HOURS BEFORE YOU DIG 1-800-424-5555
THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.

PFN:
MBOWE
HEART SAVED ADULT CARE
SITE DRAINAGE & GRADING PLAN

PROJECT NO.
220671
DWG
C4
OF 8

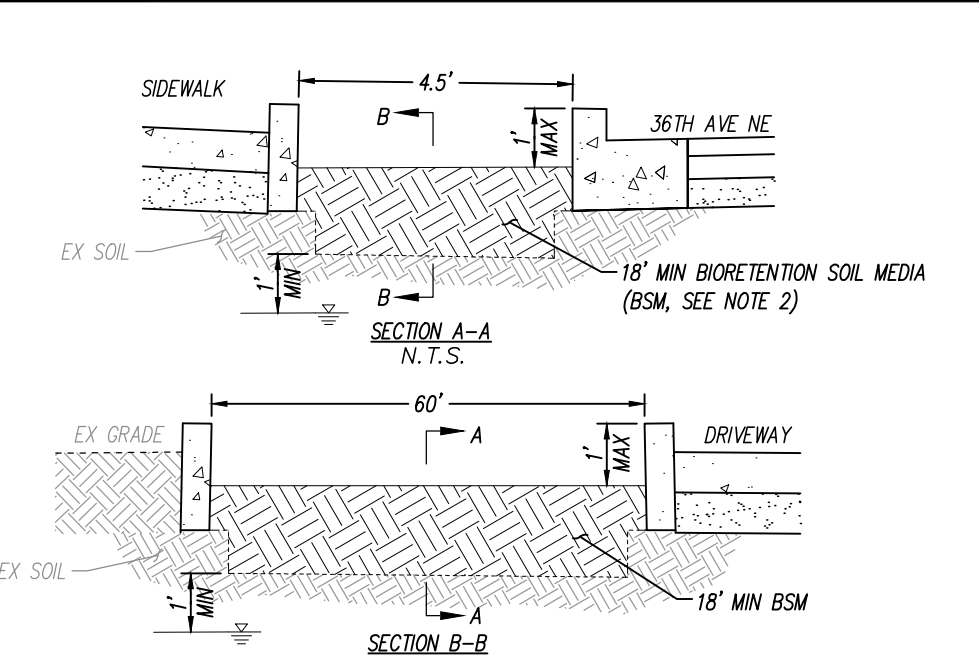
SECTION 21, TOWNSHIP 30 NORTH, RANGE 06 EAST, W.M., SNOHOMISH COUNTY, WA



NOTES:

- CEMENT CONCRETE CURBS BASED ON WSDOT STANDARD PLAN F-10.12-04 (SEE SHEET C1).
- CURB NOTCHES SHALL BE SPACED MAX 20FT APART ON CENTER.
- BOTTOM OF CURB NOTCH SHALL BE FLUSH WITH GUTTER.

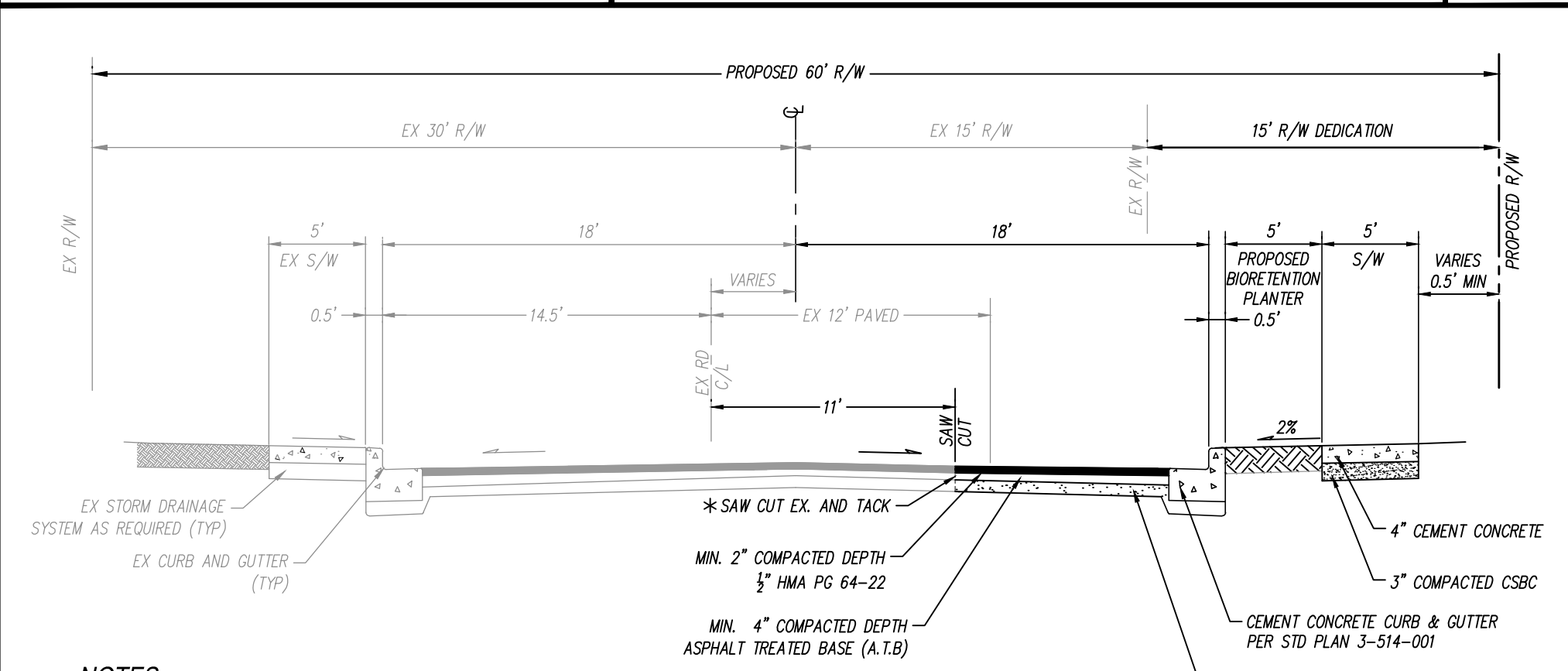
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N.T.S.



NOTES:

- BIORETENTION PLANTER BOTTOM SHALL BE FLAT.
- ON-SITE NATIVE TOPSOILS MEET THE REQUIREMENTS OF SMMW VOL. II, SEC. 3.3.7, SSC 6 SOIL PHYSICAL AND CHEMICAL SUITABILITY FOR TREATMENT, THEREFORE NATIVE TOPSOIL WILL BE USED AS BSM IN THE BIORETENTION CELL.
- A 2' X 2' SPLASH PAD WITH 2" QUARRY SPALLS SHALL BE INSTALLED IN BIORETENTION PLANTERS BELOW EACH CURB NOTCH.
- REFER SMMW VOL. V, CH. 7, BMP 17.30 FOR ADDITIONAL INFORMATION.

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N.T.S.

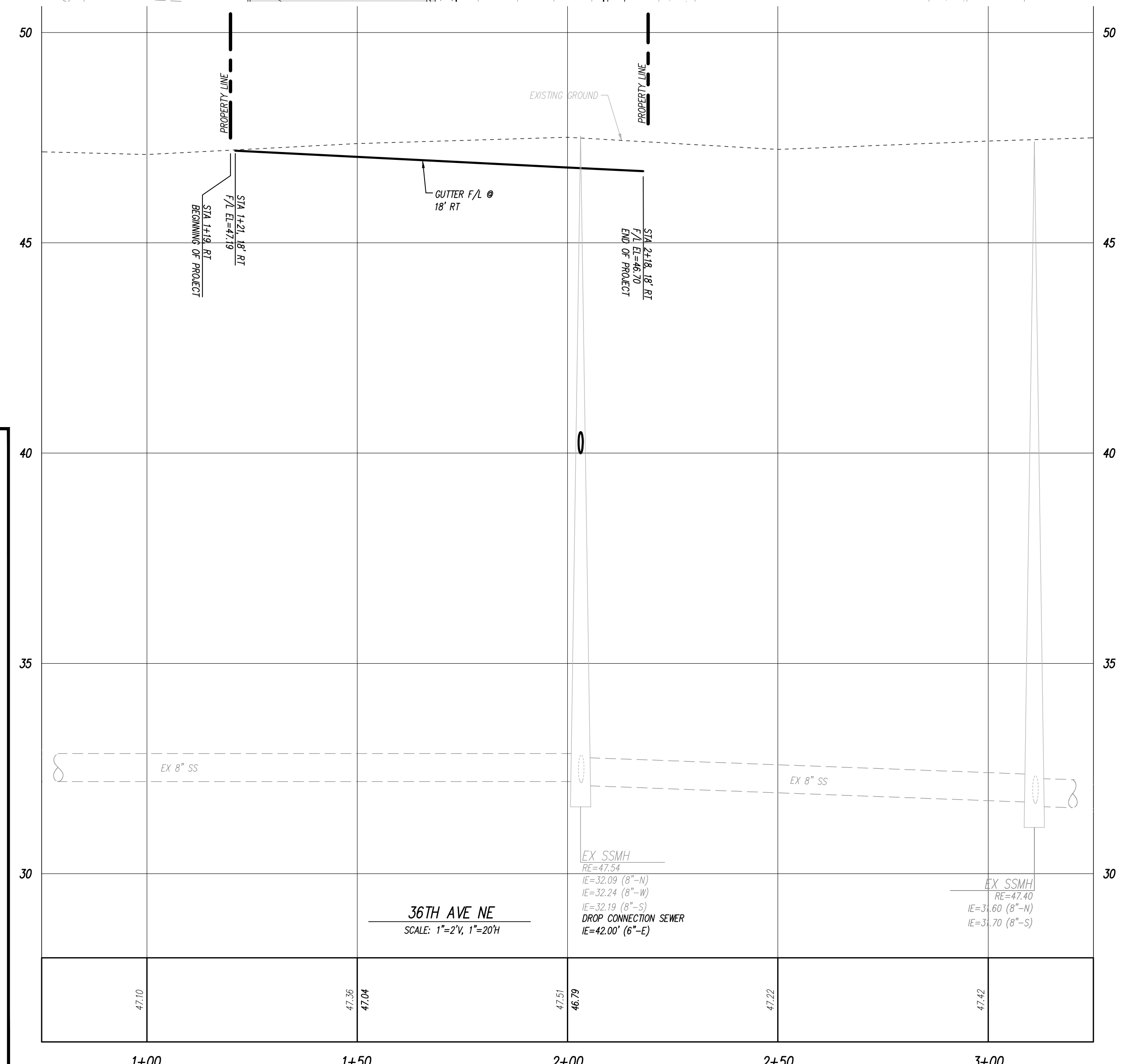


NOTES:

- CURB & GUTTER SHALL BE CEMENT CONCRETE BARRIER CURB & GUTTER PER SECTION 3-514.
- CURB AND SIDEWALK JOINTS AS PER MARYSVILLE SECTION 3-515.
- STREET LIGHTING SHALL BE DETERMINED BY LOCATION AS PER MARYSVILLE SECTION 3-506.
- THIS DRAINAGE ILLUSTRATES A MINIMUM ASPHALT CONCRETE ROAD SECTION. ACTUAL SURFACING DESIGN FOR ARTERIALS AND COMMERCIAL ACCESS STREETS SHALL BE BASED ON SOILS AND TRAFFIC ANALYSIS.
- THIS DRAINAGE ILLUSTRATES A MINIMUM ASPHALT CONCRETE ROAD SECTION. DESIGN FOR RESIDENTIAL ACCESS STREETS SHALL BE ACCORDANCE WITH SECS. 3-401 AND 3-402. ADDITIONAL SUBGRADE TREATMENT MAY BE REQUIRED DEPENDING ON SOIL CONDITIONS.
- THE RIGHT-OF-WAY WIDTH SHALL BE WIDENED AN ADDITIONAL 5 FT MIN FOR PLACEMENT OF FIRE HYDRANT AND MAILBOX CLUSTER INSTALLATION.
- DRAINAGE REQUIRED BEHIND WALK IN CUT AREAS.
- REVERSE SLOPE SIDEWALKS ARE ALLOWED SUBJECT TO PLAN REVIEW.

* NEAT LINE CUT, CLEAN, HEAT AND TRACK EXISTING PAVEMENT EDGES WITH SEALER CSS-1 AND SEAL WITH AR4000 AND SAND. SAWCUT SHALL BE MINIMUM 1-FIT INSIDE THE EXISTING EDGE OF PAVEMENT. FOUR-FOOT MINIMUM PAVED SECTION REQUIRED.

36TH AVE. NE
N.T.S.



**CITY OF MARYSVILLE
CONSTRUCTION DRAWING REVIEW ACKNOWLEDGMENT**

THIS PLAN SHEET HAS BEEN REVIEWED AND EVALUATED FOR GENERAL COMPLIANCE WITH THE APPLICABLE CITY OF MARYSVILLE CODES AND ORDINANCES. CONFORMANCE OF THIS DESIGN WITH ALL APPLICABLE LAWS AND REGULATIONS IS THE FULL AND COMPLETE RESPONSIBILITY OF THE LICENSED DESIGN ENGINEER, WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEET. ACKNOWLEDGMENT OF CONSTRUCTION DRAWING REVIEW DOES NOT IMPLY CITY APPROVAL FOR CONSTRUCTION ACTIVITIES THAT REQUIRED OTHER COUNTY, STATE OR FEDERAL PERMIT REVIEW AND APPROVAL. THE PROPERTY OWNER AND LICENSED DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE ACQUISITION AND COMPLIANCE OF ALL APPLICABLE PERMITS OR AUTHORIZATIONS WHICH MAY BE REQUIRED, BUT ARE NOT LIMITED TO, WSDOT HYDRAULIC PROJECT APPROVAL (HPA), WSDOT NOTICE OF INTENT (NOI), ANY CORP OF ENGINEERS FILL PERMITS AND THE REQUIREMENTS OF THE ENDANGERED SPECIES ACT.

THIS _____ DAY OF _____, 202__

BY: _____
PE - ENGINEERING SERVICES MANAGER

THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER PERIOD OF 18 MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINARY PLAT OR SITE PLAN

MAC ENGINEERING, LLC

P.O. BOX 177, SILVANA, WA 98287
TEL: (360) 652-5820
EMAIL: macengineering@frontier.com

DATE: 07/08/22

SURVEY PROVIDED BY:

PACIFIC COAST SURVEYS, INC.
LAND SURVEYING & MAPPING
P.O. BOX 13619
MILL CREEK, WA 98082
TEL: (425) 512-7099

DATE	REVISION/ISSUED
07/08/22	ISSUED

CALL 48 HOURS BEFORE YOU DIG 1-800-424-5555

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.

PFN:
MBOWE
HEART SAVED ADULT CARE
36TH AVE NE-GRADING, DRAINAGE, UTILITY-PLAN & PROFILE

PROJECT NO.
220671

DWG
C5
OF 8

SECTION 21, TOWNSHIP 30 NORTH, RANGE 06 EAST, W.M., SNOHOMISH COUNTY, WA

GENERAL NOTES

1. ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF MARYSVILLE. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE APPROVED ENGINEERING PLANS. REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF CONTACT BE DEVELOPMENT SERVICES AT (360-363-8100) TO SCHEDULE THE MEETING. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN SET OF APPROVED PLANS AT THE MEETING.
2. AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE WATER, SANITARY SEWER AND STORM SYSTEMS.
3. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"), WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF MARYSVILLE CITY ENGINEERING DESIGN AND DEVELOPMENT STANDARDS (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS").
4. ALL WORK WITHIN THE DEVELOPMENT AND CITY RIGHT-OF-WAY SHALL BE SUBJECT TO THE INSPECTION OF THE CITY ENGINEER OR DESIGNATED REPRESENTATIVE.
5. PRIOR TO ANY SITE CONSTRUCTION INCLUDING CLEARING/LOGGING OR GRADING, THE SITE CLEARING LIMITS SHALL BE LOCATED AND FIELD IDENTIFIED BY THE PROJECT SURVEYOR (OR PROJECT ENGINEER) AS REQUIRED BY THESE PLANS. THE PROJECT SURVEYOR'S NAME AND PHONE NUMBER IS _____ IN ORDER TO ENSURE THAT THERE WILL NO IMPACTS TO SIGNIFICANT TREES AND VEGETATION WITHIN BUFFER AREAS, THE APPLICANT SHALL INSTALL TEMPORARY FIVE-FOOT HIGH ORANGE CLEARING LIMITS CONSTRUCTION FENCE AROUND ALL BUFFER AREAS, OR IN LINE GENERALLY CORRESPONDING TO THE DRIP LINE OF ANY TREES, WHICHEVER EXTENDS FURTHERST. ALL SUCH FENCING SHALL BE INSTALLED AND INSPECTED BY THE COMMUNITY DEVELOPMENT DEPARTMENT PRIOR TO COMMENCEMENT OF SITE WORK.
6. THE DEVELOPER, CONTRACTOR AND PROJECT ENGINEER IS RESPONSIBLE FOR WATER QUALITY AS DETERMINED BY THE MONITORING PROGRAM ESTABLISHED BY THE PROJECT ENGINEER. THE PROJECT ENGINEER'S NAME AND PHONE NUMBER IS _____
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS FOR UTILITY, ROAD, AND RIGHT-OF-WAY CONSTRUCTION. THE CONTRACTOR FOR THIS PROJECT IS _____ PHONE _____ MOBILE PHONE _____ EMERGENCY PHONE _____ CONTACT PERSON IS _____
8. THE CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN (SWPPP) BEST MANAGEMENT PRACTICES (BMP'S) SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED SWPPP PRIOR TO ANY GRADING OR EXTENSIVE LAND CLEARING. THESE FACILITIES MUST BE SATISFACTORILY MAINTAINED UNTIL CONSTRUCTION AND LANDSCAPING IS COMPLETED AND FINAL STABILIZATION HAS OCCURRED. SEDIMENT LAIDY WATERS SHALL NOT ENTER THE CITY STORMWATER DRAINAGE SYSTEM OR A NATURAL DRAINAGE SYSTEM.
9. THE CONTRACTOR SHALL KEEP TWO SETS OF PLANS ON SITE AT ALL TIMES FOR RECORDING RECORD DRAWING INFORMATION; ONE SET SHALL BE SUBMITTED TO THE PROJECT ENGINEER, AND ONE SET SHALL BE SUBMITTED TO THE CITY ENGINEER AT COMPLETION OF CONSTRUCTION AND PRIOR TO FINAL ACCEPTANCE OF WORK.
10. PRIOR TO CONSTRUCTION THE OWNER AND/OR CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND THE CITY ENGINEER WHEN CONFLICTS EXIST BETWEEN THE PLANS AND FIELD CONDITIONS. CONFLICTS SHALL BE RESOLVED (INCLUDING PLAN AND PROFILE REVISIONS) AND RESUBMITTED FOR APPROVAL PRIOR TO PROCEEDING WITH CONSTRUCTION.
11. ANY REVISIONS MADE TO THESE PLANS, OR CHANGES TO THE DESIGN MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER AND THE CITY PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.
12. THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS IN ADVANCE PRIOR TO CONSTRUCTION THE OWNER AND/OR CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND THE CITY ENGINEER WHEN CONFLICTS EXIST BETWEEN THE PLANS AND FIELD CONDITIONS. CONFLICTS SHALL BE RESOLVED (INCLUDING PLAN AND PROFILE REVISIONS) AND RESUBMITTED FOR APPROVAL PRIOR TO PROCEEDING WITH CONSTRUCTION.
13. CITY OF MARYSVILLE HORIZONTAL DATUM SHALL BE NAD 83, AND THE VERTICAL DATUM SHALL BE NAVD 88, IN WASHINGTON STATE PLANE COORDINATES (FEET). WASHINGTON NORTH ZONE 4601. A LIST OF BENCHMARKS IS AVAILABLE THROUGH THE PUBLIC WORKS DEPARTMENT.
14. TEMPORARY STREET PATCHING SHALL BE ALLOWED FOR AS PROVIDED BY THE CITY ENGINEER. TEMPORARY STREET PATCHING SHALL BE PROVIDED BY PLACEMENT AND COMPACTION OF A1B OR CLASS B ASPHALT CONCRETE. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AS REQUIRED.
15. PROVIDE TRAFFIC CONTROL PLAN(S) IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS REQUIRED.
16. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE A COPY OF THESE APPROVED PLANS ON CONSTRUCTION SITE AT ALL TIMES.
17. ANY STRUCTURE AND/OR OBSTRUCTION THAT REQUIRES REMOVAL OR RELOCATION RELATING TO THIS PROJECT SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
18. LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE TRUE ELEVATIONS AND LOCATIONS OF HIDDEN UTILITIES. ALL VISIBLE ITEMS SHALL BE THE ENGINEER'S RESPONSIBILITY. LOCATION OF UTILITIES SHOWN ON CONSTRUCTION PLANS ARE BASED ON BEST RECORDS AVAILABLE AND ARE SUBJECT TO VARIATION. FOR ASSISTANCE IN UTILITY LOCATION, CALL 1-800-424-5555.
19. THE CONTRACTOR SHALL INSTALL, REPLACE, OR RELOCATE ALL SIGNS, AS SHOWN ON THE PLANS OR AS AFFECTED BY CONSTRUCTION, PER CITY STANDARDS.
20. POWER, STREET LIGHT, CABLE, AND TELEPHONE LINES SHALL BE IN A TRENCH LOCATED WITHIN A 10-FOOT UTILITY EASEMENT ADJACENT TO PUBLIC RIGHT-OF-WAY. RIGHT-OF-WAY CROSSINGS SHALL HAVE A MINIMUM HORIZONTAL SEPARATION FROM OTHER UTILITIES (SEWER, WATER, AND STORM) OF 5 FEET.
21. ALL CONSTRUCTION SURVEYING FOR EXTENSIONS OF PUBLIC FACILITIES SHALL BE DONE UNDER THE DIRECTION OF A WASHINGTON STATE LICENSED LAND SURVEYOR OR A WASHINGTON STATE LICENSED PROFESSIONAL CIVIL ENGINEER.
22. DURING CONSTRUCTION, ALL PUBLIC STREETS ADJACENT TO THIS PROJECT SHALL BE KEPT CLEAN OF ALL MATERIAL DEPOSITS RESULTING FROM ON-SITE CONSTRUCTION, AND EXISTING STRUCTURES SHALL BE PROTECTED AS DIRECTED BY THE CITY.
23. CERTIFIED RECORD DRAWINGS ARE REQUIRED PRIOR TO PROJECT ACCEPTANCE.
24. A NPDES STORMWATER GENERAL PERMIT MAY BE REQUIRED BY THE DEPARTMENT OF ECOLOGY FOR THIS PROJECT. FOR INFORMATION VISIT THE DEPARTMENT OF ECOLOGY WEB SITE WWW.ECY.WA.GOV/PROGRAMS/NO/STORMWATER/CONSTRUCTION/.
25. ANY DISTURBANCE OR DAMAGE TO CRITICAL AREAS AND ASSOCIATED BUFFERS, OR SIGNIFICANT TREES DESIGNATED FOR PRESERVATION AND PROTECTION SHALL BE MITIGATED IN ACCORDANCE WITH A MITIGATION PLAN REVIEWED AND APPROVED BY THE CITY'S PLANNING DIVISION. PREPARATION AND IMPLEMENTATION OF THE MITIGATION PLAN SHALL BE AT THE DEVELOPER'S EXPENSE.
26. A GRADING PERMIT ISSUED PURSUANT TO THE CURRENT ADOPTED INTERNATIONAL BUILDING CODE, AND APPROVAL OF THE TEMPORARY EROSION AND SEDIMENTATION CONTROL PLAN SHALL BE OBTAINED FROM THE COMMUNITY DEVELOPMENT DEPARTMENT PRIOR TO ANY ON-SITE GRADING WORK NOT EXPRESSLY EXEMPT BY THE CURRENT ADOPTED INTERNATIONAL BUILDING CODE.
27. PRIOR TO COMMENCEMENT OF FRAMING, FINAL DRAINAGE INSPECTION AND APPROVAL OF THE ROOF LEADER AND POSITIVE FOOTING SYSTEMS SHALL BE COMPLETED BY THE BUILDING DEPARTMENT. CALL 360-363-8100 TO SCHEDULE THE INSPECTION.

16. DURING CONSTRUCTION, ALL EXISTING AND NEWLY INSTALLED DRAINAGE STRUCTURES SHALL BE PROTECTED FROM SEDIMENTS.
2. ALL STORM MANHOLES SHALL CONFORM TO CITY STANDARD DETAILS NO. 4-08-009. FLOW CONTROL ANHOLE/OIL WATER SEPARATOR SHALL CONFORM TO CITY STANDARD NO. 4-040-004.
3. MANHOLE RING AND COVER SHALL CONFORM TO CITY STANDARD DETAIL 4-08-009 AND 4-08-115 THRU 4-08-024. THE COVER SHALL BE MARKED WITH "STORM" OR "DRAIN" IN 2-INCH RAISED LETTERS. MINIMUM HEIGHT OF THE FRAME SHALL BE 210 POUNDS. MINIMUM WEIGHT OF THE COVER SHALL BE 150 POUNDS.
4. CATCH BASINS SHALL BE TYPE I UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER AND OR DESIGNATED REPRESENTATIVE. TYPE I CATCH BASINS SHALL CONFORM TO CITY STANDARD DETAIL NO. 4-08-007 AND 4-08-008 AND SHALL BE USED ONLY FOR DEPTHS LESS THAN 5 FEET FROM TOP OF THE GRATE TO THE INVERT OF THE STORM PIPE.
5. CATCH BASINS TYPE II SHALL CONFORM TO CITY STANDARD DETAIL NO. 4-08-009 AND SHALL BE USED FOR DEPTHS GREATER THAN 5 FEET FROM TOP OF GRATE TO THE INVERT OF THE STORM PIPE.
6. CAST IRON OR DUCTILE IRON FRAME AND GRATE SHALL CONFORM TO CITY STANDARD DETAIL NO. 4-08-022. GRATE SHALL BE MARKED WITH "DRAINS TO STREAM". SOLID CATCH BASIN LIDS (SQUARE UNLESS NOTED AS ROUND) SHALL CONFORM TO WSDOT STANDARD PLAN B-30.20-02 (OLYMPIC FOUNDRY NO. SMD0, SMD2, OR SMD4 OR EQUAL). VANEED GRATES SHALL BE REQUIRED ON ALL STORM STRUCTURES WHEN ROADWAY PROFILE IS GREATER THAN 3% AND SHALL CONFORM TO WSDOT STANDARD PLAN B-30.30-01 (OLYMPIC FOUNDRY NO. SMD0V OR EQUAL). GRATES LOCATED IN THE OUTER FLOW LINE OF DEPRESSED AREAS SHALL BE PAVED AT LEVEL.
7. ALL CATCH BASINS AND MANHOLES LOCATED OUTSIDE OF PAVED AREAS, SHALL BE PLACED IN A SIX FOOT SQUARE BY FOUR INCH THICK CONCRETE PAD.
8. ALL CATCH BASINS AND MANHOLES SHALL HAVE LOADING LIDS. ROLLED GRATES ARE NOT APPROVED FOR USE OUTSIDE OF THE CITY RIGHT-OF-WAY OR FOR USE WITH TYPE II MANHOLES.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL MANHOLE, INLET AND CATCH BASIN FRAMES AND GRATES TO GRADE JUST PRIOR TO CURB INSTALLATION AND/OR PAVING.
10. TRENCHING, BEDDING, AND BACKFILL FOR PIPE SHALL CONFORM TO CITY STANDARD DETAIL NO. 3-703-002 AND -003.
11. TRENCH BACKFILL OF NEW UTILITIES AND STORMWATER DRAINAGE SYSTEM FEATURES SHALL BE COMPACTED TO 95% MAXIMUM DENSITY (MODIFIED PROCTOR) UNDER ROADWAYS AND 90% MAXIMUM DENSITY (MODIFIED PROCTOR) UNDER OTHER AREAS. COMPACTON SHALL BE PERFORMED IN ACCORDANCE WITH SECTIONS 7-08.3(3) AND 2-03.3 (4)(c) - METHOD B AS DEFINED IN THE CURRENT EDITION OF THE WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION. FOR PERMEABLE PAVEMENT AND OTHER STORMWATER BMP'S DESIGNED TO INFILTRATE, SUBGRADE COMPACTION SHOULD BE "FIRM AND UNYIELDING" (QUALITATIVE), AND 90-92% STANDARD PROCTOR (QUANTITATIVE) DO NOT ALLOW HEAVY COMPACTION DUE TO HEAVY EQUIPMENT OPERATION. THE SUBGRADE SHOULD NOT BE SUBJECT TO TRUCK TRAFFIC.
12. STORM PIPE SHALL BE A MINIMUM OF 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES.
13. AFTER ALL OTHER UTILITIES ARE INSTALLED AND PRIOR TO ASPHALT WORK, ALL STORM PIPE SHALL PASS A LOW PRESSURE TEST IN ACCORDANCE WITH SECTION -04.3(2) E & F OF THE WSDOT STANDARD ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION. PIPE RUNS SHALL BE TESTED WITH AIR LOADED AND COMPACTED TO FINISH GRADE. PRODUCTS USED TO SEAL THE INSIDE OF THE PIPE ARE NOT TO BE USED TO OBTAIN THE AIR TEST.
14. ALL TEMPORARY SEDIMENTATION AND EROSION CONTROL MEASURES, AND PROTECTIVE MEASURES FOR CRITICAL AREAS, PRESERVED NATIVE VEGETATION AND SIGNIFICANT TREES SHALL BE INSTALLED PRIOR TO INITIATING ANY CONSTRUCTION ACTIVITIES.
15. STORMWATER FACILITIES WITH SIDE SLOPES STEEPER THAN 3:1 OR WITH A MAXIMUM WATER DEPTH GREATER THAN 1 FEET SHALL REQUIRE A POWER OR WIND COATED CHAIN LINK PERIMETER FENCE PER STANDARD PLANS 3-501-007 AND -008. SIDE SLOPE AVERAGING SHALL NOT BE ALLOWED. ALL INLET AND OUTFALL PIPES SHALL HAVE A TRASH BACK INSTALLED AND MORTARED RIPRAP HEADWALL. REFER TO STORM DRAINAGE NOTE 21.

WATER SYSTEM NOTES

1. BIOLOGICAL TEST SAMPLES WILL BE TAKEN BY THE CITY (OR FWMC, VW OR TCW WHEN SERVED BY THAT PURVEYOR) AND PAID FOR BY THE CONTRACTOR.
2. WATER MAINS SHALL HAVE A MINIMUM COVER OF 36 INCHES IN IMPROVED RIGHT-OF-WAY AND A MINIMUM OF 48 INCHES IN UNIMPROVED RIGHT-OF-WAY AND EASEMENTS.
3. PIPE FOR WATER MAINS SHALL BE DUCTILE IRON CONFORMING TO SECTION 7-09 OF THE STANDARD SPECIFICATIONS, CLASS 52 WITH TYTON OR APPROVED EQUAL JOINTS. PIPE SHALL BE CEMENT LINED IN ACCORDANCE WITH A.S.A. SPECIFICATION A 21.4-1964.
4. CONNECTIONS TO EXISTING WATER MAINS SHALL TYPICALLY BE MET TAPS THROUGH A TAPPING TEE AND TAPPING VALVE AND SHALL BE MADE BY A CITY-APPROVED CONTRACTOR. THE TAPPING SLEEVE SHALL BE EPOXY COATED OR DUCTILE IRON. STAINLESS SLEEVES SHALL ONLY BE USED ON CP PIPE. THE CITY (OR FWMC, VW OR TCW WHEN SERVED BY THAT PURVEYOR) SHALL APPROVE THE TIME AND LOCATION FOR THESE CONNECTIONS.
5. ALL WATER MAINS AND APPURTENANCES SHALL BE HYDROSTATICALLY TESTED AT 200 PSI IN ACCORDANCE WITH CITY STANDARDS.
6. FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARD DETAIL 2-060-001 AND AS DIRECTED BY THE CITY OF MARYSVILLE FIRE CODE OFFICIAL.
7. VALVE MARKER POSTS SHALL BE INSTALLED WHERE VALVE BOXES ARE HIDDEN FROM VIEW OR IN UNPAVED AREAS.
8. RESILIENT SEATED WEDGE GATE VALVES SHALL BE USED FOR 10-INCH MAINS AND SMALLER. BUTTERFLY VALVES SHALL BE USED FOR MAINS GREATER THAN 10 INCHES.
9. PIPE FITTING FOR WATER MAINS SHALL BE DUCTILE IRON AND SHALL BE MECHANICAL JOINT CONFORMING TO ANWA SPECIFICATION C111-72.
10. WATER MAIN PIPE AND SERVICE CONNECTIONS SHALL BE A MINIMUM OF 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES.
11. WHERE A WATER MAIN CROSSES THE NORTHWEST GAS PIPELINE, THE WATER LINE SHALL BE CASED WITH PVC PIPE A MINIMUM OF 10 FEET BEYOND EACH SIDE OF THE GAS LINE EASEMENT. CONTACT WILLIAMS NORTHWEST PIPELINE BEFORE THE CROSSING IS MADE.
12. TRENCHING, BEDDING, AND BACKFILL FOR WATER MAINS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARD DETAIL 3-703-002 AND -003.
13. ALL COMMERCIAL AND INDUSTRIAL DEVELOPMENTS, IRRIGATION SYSTEMS, AND MULTI-FAMILY WATER SERVICE CONNECTIONS SHALL BE PROTECTED BY A DOUBLE CHECK VALVE ASSEMBLY OR A REDUCED PRESSURE BACKFLOW ASSEMBLY AS DIRECTED BY THE CITY CONFORMING TO CITY STANDARD DETAILS 2-153-001.
14. ANY LEAD JOINT FITTING DISTURBED DURING CONSTRUCTION SHALL BE REPLACED WITH A MECHANICAL JOINT FITTING AT THE CONTRACTOR'S EXPENSE.

16. PRIOR TO SIDEWALK CONSTRUCTION; LOT DRAINAGE SYSTEMS, STUB-OUTS AND ANY BEHIND SIDEWALK DRAINS MUST BE INSTALLED AS REQUIRED. PIPE SHALL BE PVC 3034, OR SDR-35 STUB-OUTS SHALL BE MARKED WITH A 2" X 4" WITH 3 FEET VISIBLE ABOVE GRADE AND MARKED "STORM". LOCATIONS OF THESE INSTALLATIONS SHALL BE SHOWN ON THE RECORD DRAWING CONSTRUCTION PLANS SUBMITTED TO THE CITY.
17. STORM WATER RETENTION/DETENTION FACILITIES, STORM DRAINAGE PIPE AND CATCH SHALL BE FLUSHED AND CLEANED BY THE DEVELOPER PRIOR TO; CITY OF MARYSVILLE FINAL ACCEPTANCE OF THE PROJECT AND; UPON COMMENCEMENT AND COMPLETION OF THE 2-YEAR WARRANTY PERIOD FOR THE STORM DRAINAGE SYSTEM.
18. UNLESS OTHERWISE NOTED, ALL STORM SEWER PIPE SHALL BE: (CP) NON-REINFORCED CONCRETE, ASTM C-14; (RCP) REINFORCED CONCRETE FOR CONCRETE PIPE DIAMETERS 24" OR GREATER, ASTM C-76 OR (CMP) CORRUGATED METAL CMP TO BE; GALVANIZED STEEL WITH TREATMENT 1 ASPHALT COATING OR BETTER, OR CORRUGATED ALUMINUM, OR AASHTO M274-70 ALUMINIZED STEEL. ALL PIPES SHALL BE INSTALLED WITH RUBBER GASKETS AS PER MANUFACTURER'S RECOMMENDATIONS.
19. CORRUGATED POLYETHYLENE PIPE (CPP):
 - A. ALL PIPE SHALL BE SMOOTH INTERIOR. CPP SHALL BE DOUBLE-WALLED.
 - B. ALL PIPE SHALL MEET AASHTO AND ASTM SPECIFICATIONS.
 - C. UPON REQUEST BY THE CITY INSPECTOR, ALL PIPE RUNS SHALL PASS THE LOW PRESSURE AIR TEST REQUIREMENTS OF SECTION 7-04.3(1) E & F OF THE WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION. PIPE RUNS SHALL BE TESTED WITH PIPE LOADED AND COMPACTED TO FINISH GRADE.
 - D. PIPE SHALL BE STORED ON SITE IN SHIPPING BUNKS ON A FLAT LEVEL SURFACE. THIS REQUIREMENT WILL BE STRICTLY ENFORCED. FAILURE TO COMPLY MAY RESULT IN REJECTION OF THE PIPE AND/OR FUTURE RESTRICTION ON USE OF MATERIAL.
 - E. MINIMUM DEPTH OF COVER SHALL BE 2 FEET, UNLESS APPROVED BY ENGINEER.
 - F. COUPLINGS SHALL BE INTEGRAL BELL AND SPIGOT OR DOUBLE BELL SEPARATE COUPLINGS WILL NOT BE ALLOWED.
 - G. BACKFILL SHALL COMPLY WITH SECTION 7-80.3(3) OF THE WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION MODIFIED AS FOLLOWS:
 - THE SECOND PARAGRAPH OF SECTION 7-80.3(3) IS DELETED AND REPLACED WITH THE FOLLOWING:

THE MATERIAL USED FOR BACKFILLING AROUND AND TO A POINT 1 FOOT ABOVE THE TOP OF THE PIPE SHALL BE CLEAN EARTH OR SAND, FREE FROM CLAY, ANY GRAVEL OR STONES INCLUDED IN THE BACKFILL SHALL PASS THROUGH 1 INCH SIEVE.
20. ALL NON-PERFORATED METAL PIPE SHALL HAVE NEOPRENE GASKETS AT THE JOINTS. O-RING GASKETS MAY BE USED FOR TYPE F COUPLING BAND.
21. CULVERT ENDS SHALL BE BEVELED TO MATCH SIDE SLOPES. FIELD CUTTING OF CULVERT ENDS IS PERMITTED WHEN APPROVED BY THE CITY ENGINEER OR DESIGNATED REPRESENTATIVE.
22. ALL FIELD CUT CULVERT PIPE SHALL BE TREATED AS REQUIRED IN THE STANDARD SPECIFICATIONS OR GENERAL SPECIAL PROVISIONS.
23. ALL PIPE SHALL BE PLACED ON STABLE EARTH. IF IN THE OPINION OF THE CITY INSPECTOR THE EXISTING TRENCH FOUNDATION IS UNSATISFACTORY, THEN IT SHALL BE EXCAVATED BELOW GRADE AND BACKFILLED WITH GRAVEL BEDDING TO SUPPORT THE PIPE.
24. ALL LANDSCAPED AND LAWN AREAS, EXCEPT AREAS WITHIN THE DRIPLINE OF PRESERVED TREES, SHALL BE AMENDED PER BMP 15.13 POST CONSTRUCTION SOIL QUALITY AND DEPTH IN CHAPTER 5, VOLUME V OF THE STORMWATER MANUAL.

ROADWAY NOTES

1. MONUMENTS SHALL BE INSTALLED AT ALL STREET INTERSECTIONS, AT ANGLE POINTS, AND POINTS OF CURVATURE IN EACH STREET. ALL BOUNDARY MONUMENTS MUST BE INSTALLED ACCORDING TO THE WASHINGTON STATE SUBDIVISION LAWS.
2. CURB AND GUTTER INSTALLATION SHALL CONFORM TO CITY STANDARD DETAIL 3-514.
3. SIDEWALKS AND DRIVEWAYS SHALL BE INSTALLED AS LOTS ARE BUILT ON. SIDEWALKS AND DRIVEWAYS SHALL CONFORM TO CITY STANDARD DETAIL 3-303-001 AND -002. IF ASPHALT IS DAMAGED DURING REPLACEMENT OF CURB AND GUTTER, THE REPAIR SHALL CONFORM TO CITY STANDARD DETAIL 3-514-001.
4. THE SURROUNDING GROUND (5 FEET BEYOND THE BASE) FOR ALL POWER TRANSFORMERS, TELEPHONE/TV PEDESTALS, AND STREET LIGHT MAIN DISCONNECTS SHALL BE GRADED TO A POSITIVE 2 PERCENT SLOPE FROM TOP OF CURB.
5. SIGNAGE AND TRAFFIC CONTROL DEVICES ARE SAFETY ITEMS AND SHALL BE INSTALLED PRIOR TO ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY OR PLAT APPROVAL. HOWEVER, IN LARGER DEVELOPMENTS, EXACT LOCATIONS OF STOP AND YIELD SIGNS MAY NEED TO BE DETERMINED AFTER FULL BUILDOUT WHEN TRAFFIC PATTERNS HAVE BEEN ESTABLISHED. IN THIS CASE, CONTRACTOR SHALL PROVIDE INDICATED "CITY-PLACED" SIGNS, SIGNPOSTS, AND BRACKETS TO THE CITY SIGN SPECIALIST (425) 328-7954 FOR LATER INSTALLATION BY THE CITY. ALL SIGNAGE SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
6. PRIOR TO ANY SIGN OR STRIPING INSTALLATION OR REMOVAL THE CONTRACTOR SHALL CONTACT THE CITY SIGN SPECIALIST (425) 328-7954 TO ARRANGE FOR AN ON-SITE MEETING TO DISCUSS PLACEMENT AND UNIFORMITY.
7. NEW OR REVISED STOP SIGNS OR YIELD SIGNS SHALL BE ADVANCE WARNED USING THE PROCEDURE OUTLINED IN THE MUTCD. ADVANCE WARNING SIGNS AND FLAGS SHALL BE MAINTAINED BY INSTALLER FOR 30 DAYS AND THEN REMOVED.

SANITARY SEWER NOTES

1. SANITARY SEWER PIPE AND SIDE SEWERS SHALL BE 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES.
2. NO SIDE SEWERS SHALL BE CONNECTED TO ANY HOUSE OR BUILDING UNTIL ALL MANHOLES ARE ADJUSTED TO THE FINISHED GRADE OF THE COMPLETED ASPHALT ROADWAY AND THE ASPHALT PATCH AND SEAL AROUND THE RING ARE ACCEPTED.
3. AFTER ALL OTHER UTILITIES ARE INSTALLED AND PRIOR TO ASPHALT WORK, ALL SANITARY PIPES SHALL PASS A LOW PRESSURE AIR TEST IN ACCORDANCE WITH SECTION 7-17 OF THE STANDARD SPECIFICATIONS'. PRODUCTS USED TO SEAL THE INSIDE OF THE PIPE ARE NOT TO BE USED TO OBTAIN THE AIR TEST.
4. FOR COMMERCIAL DEVELOPMENTS IN WHICH SOURCES OF GREASE AND/OR OILS MAY BE INTRODUCED TO THE CITY SANITARY SEWER SYSTEM, A CITY APPROVED GREASE INTERCEPTOR SHALL BE INSTALLED DOWNSTREAM FROM THE SOURCE.
5. THE CITY OF MARYSVILLE COMMUNITY DEVELOPMENT DEPARTMENT SHALL BE NOTICED A MINIMUM OF 48 HOURS IN ADVANCE OF A TAP OR CONNECTION TO AN EXISTING SANITARY SEWER MAIN. THE INSPECTOR SHALL BE PRESENT AT THE TIME OF THE TAP OR CONNECTION.
6. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE UNDERGROUND LOCATE LINE AT 1-800-424-5555 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.
7. GRAVITY SEWER MAIN WITH .5" OF COVER SHALL BE D.I.P. CLASS 52; 5'-18" OF COVER SHALL BE PVC, ASTM D 3034 SDR 35, OR ASTM F 789 WITH JOINTS AND RUBBER GASKETS CONFORMING TO ASTM D 3212 AND ASTM F 477; 18" COVER SHALL BE D.I.P. CLASS 52, OR C-900.
8. PRECAST MANHOLES SHALL MEET THE REQUIREMENTS OF ASTM C 478. MANHOLES SHALL BE TYPE 1-48" MANHOLE UNLESS OTHERWISE SPECIFIED ON THE PLANS. JOINTS SHALL BE RUBBER GASKETED CONFORMING TO ASTM C 443 AND SHALL BE GROUDED FROM THE INSIDE. LIFT HOLES SHALL BE GROUDED FROM THE OUTSIDE AND INSIDE OF THE MANHOLE.
9. SIDE SEWER SERVICES SHALL BE PVC, ASTM D 3034 SDR 35 WITH FLEXIBLE GASKETED JOINTS. SIDE SEWER CONNECTIONS SHALL BE MADE BY A TAP TO AN EXISTING MAIN OR A TEE FROM A NEW MAIN CONNECTED ABOVE THE SPRINGLINE OF THE PIPE.
10. ALL SEWER MAINS SHALL BE FIELD STAKED FOR GRADES AND ALIGNMENT PRIOR TO CONSTRUCTION BY A LICENSED ENGINEER OR SURVEYING FIRM QUALIFIED TO PERFORM SUCH WORK. PRIOR TO CONSTRUCTING ANY SEWER, THE LOT CORNERS SHALL BE STAKED AND SEWER LINE LOCATION ESTABLISHED BY SURVEY, COST OF WHICH SHALL BE BORNE BY THE DEVELOPER.

SITE PLAN NOTES:

1. IF AT ANY TIME DURING CONSTRUCTION ARCHAEOLOGICAL RESOURCES ARE OBSERVED ON THE PROJECT SITE, WORK SHALL BE TEMPORARILY SUSPENDED AT THE LOCATION OF DISCOVERY AND A PROFESSIONAL ARCHAEOLOGIST SHALL DOCUMENT AND ASSESS THE DISCOVERY. THE DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION (DAHP) AND ALL CONCERNED TRIBES SHALL BE CONTACTED FOR ANY ISSUES INVOLVING NATIVE AMERICAN SITES. IF PROJECT ACTIVITIES EXPOSE HUMAN REMAINS, EITHER IN THE FORM OF BURIALS OR ISOLATED BONES OR TEETH, OR OTHER MORTUARY ITEMS, WORK IN THAT AREA SHALL BE STOPPED IMMEDIATELY. LOCAL LAW ENFORCEMENT, DAHP, AND AFFECTED TRIBES SHALL BE IMMEDIATELY CONTACTED. NO ADDITIONAL EXCAVATION SHALL BE UNDERTAKEN UNTIL A PROCESS HAS BEEN AGREED UPON BY THESE PARTIES, AND NO EXPOSED HUMAN REMAINS SHALL BE LEFT UNATTENDED.
2. ALL NECESSARY POWER LINES, TELEPHONE WRES, TELEVISION CABLES, FIRE ALARM SYSTEMS AND OTHER COMMUNICATION WIRES, CABLES OR LINES SHALL BE PLACED IN UNDERGROUND LOCATION EITHER BY DIRECT BURIAL OR BY MEANS OF CONDUIT OR DUCTS; AND, WITH THE EXCEPTION OF THE CITY FIRE ALARM SYSTEM, PROVIDING SERVICE TO EACH LOTS OR POTENTIAL BUILDING SITE IN THE PLAT, ALL SUCH UNDERGROUND INSTALLATIONS OR SYSTEMS SHALL BE APPROVED BY THE APPROPRIATE UTILITY COMPANY AND SHALL ADHERE TO ALL GOVERNING APPLICABLE REGULATIONS INCLUDING, BUT NOT LIMITED TO, THE APPLICABLE CITY AND STATE REGULATIONS AND SPECIFIC REQUIREMENTS FOR THE APPROPRIATE UTILITY.

11. ALL PLASTIC PIPE AND SERVICES SHALL BE INSTALLED WITH CONTINUOUS TRACER TAPE INSTALLED 12" TO 18" UNDER THE PROPOSED FINISHED SUBGRADE. THE MARKER SHALL BE PLASTIC NON-Biodegradable, METAL CORE OR BACKING MARKED SEWER WHICH CAN BE DETECTED BY A STANDARD METAL DETECTOR.
12. EACH SIDE SEWER LATERAL SHALL HAVE A 2" X 4" WOOD MARKER AT THE TERMINATION OF THE SUB. THE MARKER SHALL EXTEND FROM THE TRENCH TO ABOVE FINISHED GRADE. ABOVE THE GROUND SURFACE, IT SHALL BE PAINTED GREEN WITH SEWER AND THE DEPTH, IN FEET, STENCILED IN WHITE LETTERS 2" HIGH.
13. SIDE SEWERS SHALL BE INSTALLED BY THE DEVELOPER AND COORDINATED FOR CLEARANCE WITH POWER, TELEPHONE, AND OTHER UTILITIES.
14. ALL SIDE SEWERS TO BE INSTALLED 10 FEET INTO LOT SERVED AND STAKED AND MARKED AS SHOWN ON THESE PLANS.
15. PIPE BEDDING SHALL BE IN ACCORDANCE WITH WSDOT STANDARD PLAN B-18C CLASS F. PEA GRAVEL IS AN ACCEPTABLE BEDDING MATERIAL. ALL PIPE SHALL BE LAID ON A PROPERLY PREPARED FOUNDATION ACCORDING TO STANDARD SPECIFICATION 7-02.3(1). THIS SHALL INCLUDE NECESSARY LEVELING OF THE TRENCH BOTTOM OR THE TOP OF THE FOUNDATION MATERIALS AS WELL AS PLACEMENT AND COMPACTION OF REQUIRED BEDDING MATERIAL TO UNIFORM GRADE SO THAT THE ENTIRE LENGTH OF THE PIPE WILL BE SUPPORTED IN A UNIFORMLY DENSE UNYIELDING BASE.
16. A 6'-FOOT SQUARE X 4-INCH THICK CONCRETE PAD SHALL BE INSTALLED AROUND ALL SSMHS AND A 3'-FOOT SQUARE X 4-INCH THICK CONCRETE PAD SHALL BE INSTALLED AROUND ALL CLEANOUTS THAT ARE NOT IN A PAVEMENT AREA.
17. ALL LINES SHALL BE CLEANED AND PRESSURE TESTED PRIOR TO PAVING IN CONFORMANCE WITH THE ABOVE REFERENCED SPECIFICATIONS. TESTING OF THE SANITARY SEWER MAIN SHALL INCLUDE TV-ING OF THE MAIN BY THE CONTRACTOR IMMEDIATELY PRIOR TO TV-ING. ENOUGH WATER SHALL BE RUN DOWN THE LINE SO IT COMES OUT THE LOWER MANHOLE. A COPY OF THE VIDEO TAPE SHALL BE SUBMITTED TO THE CITY OF MARYSVILLE. ACCEPTANCE OF THE LINE WILL BE MADE AFTER THE TAPE HAS BEEN REVIEWED AND APPROVED BY PUBLIC WORKS. A WATER TEST OF ALL MANHOLES IN ACCORDANCE WITH MARYSVILLE STANDARD MAY ALSO BE REQUIRED. TESTING SHALL TAKE PLACE AFTER ALL UNDERGROUND UTILITIES ARE INSTALLED AND COMPACTION OF THE ROADWAY SUBGRADE IS COMPLETED.

18. PRIOR TO BACKFILL ALL MAINS AND APPURTENANCES SHALL BE INSPECTED AND APPROVED BY THE CITY OF MARYSVILLE DEPARTMENT OF PUBLIC WORKS. APPROVAL SHALL NOT RELIEVE THE CONTRACTOR FOR CORRECTION OF ANY DEFICIENCIES AND/OR FAILURES AS DETERMINED BY SUBSEQUENT TESTING AND INSPECTIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE CITY OF MARYSVILLE FOR THE REQUIRED INSPECTIONS.

INFILTRATION FACILITY NOTES

1. INFILTRATION FACILITY INSTALLATIONS SHALL BE DIRECTED/OVERSEEN BY A LICENSED GEOTECHNICAL ENGINEER IF DIRECTED BY THE CITY ENGINEER OR DESIGNEE. THE GEOTECHNICAL ENGINEER SHALL CERTIFY THAT THE UNDERLYING SOIL TYPE AND CONDITION (NATIVE OR FILL SOIL) MEETS THE DESIGN SPECIFICATION PRIOR TO BACKFILLING.
2. THE GEOTECHNICAL ENGINEER WILL PRESCRIBE CORRECTIVE ACTION FOR SOIL THAT DOES NOT MEET THE DESIGN SPECIFICATION, SOIL THAT HAS BEEN OVER COMPACTED OR FOR SOIL THAT HAS BEEN CONTAMINATED BY TURBIDITY. FINAL ENGINEERING APPROVAL IS REQUIRED FROM THE CITY.
3. PERFORMANCE TESTING AND VERIFICATION FOR A FACILITY SHALL BE CONDUCTED BEFORE FINAL CONSTRUCTION APPROVAL BY THE CITY, OR PRIOR TO CONSTRUCTION OF OTHER PROJECT IMPROVEMENTS OR RECORDING OF A SUBDIVISION AS REQUIRED BY MMC 14.15.120. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING CORRECTIONS TO ENSURE THE STORMWATER SYSTEM FUNCTIONS AS DESIGNED.

CITY OF MARYSVILLE
CONSTRUCTION DRAWING REVIEW ACKNOWLEDGMENT

THIS PLAN SHEET HAS BEEN REVIEWED AND EVALUATED FOR GENERAL COMPLIANCE WITH THE APPLICABLE CITY OF MARYSVILLE CODES AND ORDINANCES. CONFORMANCE OF THIS DESIGN WITH ALL APPLICABLE LAWS AND REGULATIONS IS THE FULL AND COMPLETE RESPONSIBILITY OF THE LICENSED DESIGN ENGINEER, WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEET. ACKNOWLEDGMENT OF CONSTRUCTION DRAWING REVIEW DOES NOT IMPLY CITY APPROVAL FOR CONSTRUCTION ACTIVITIES THAT REQUIRED OTHER COUNTY, STATE, OR FEDERAL PERMIT REVIEW AND APPROVAL. THE PROPERTY OWNER AND LICENSED DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE ACQUISITION AND COMPLIANCE OF ALL APPLICABLE PERMITS OR AUTHORIZATIONS WHICH MAY INCLUDE, BUT ARE NOT LIMITED TO, WSDPW HYDRAULIC PROJECT APPROVAL (HPA). RESIDE NOTICE OF INTENT (NOI) AND NOTICE OF ENGINEERED FILL PERMITS AND THE REQUIREMENTS OF THE ENDANGERED SPECIES ACT.

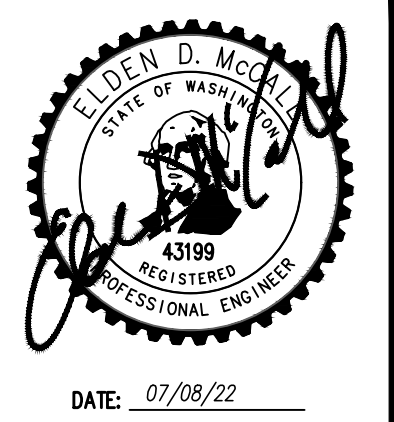
THIS _____ DAY OF _____, 202__

BY: _____
 PE - ENGINEERING SERVICES MANAGER

THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER PERIOD OF 18 MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINARY PLAT OR SITE PLAN

MAC ENGINEERING, LLC

P.O. BOX 177, SILVANA, WA 98287
 TEL: (360) 652-5820
 EMAIL: macengineering@frontier.com



DATE: 07/08/22

DATE	REVISION/ISSUED
07/08/22	ISSUED

CALL 48 HOURS BEFORE YOU DIG 1-800-424-5555

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.

PFN:

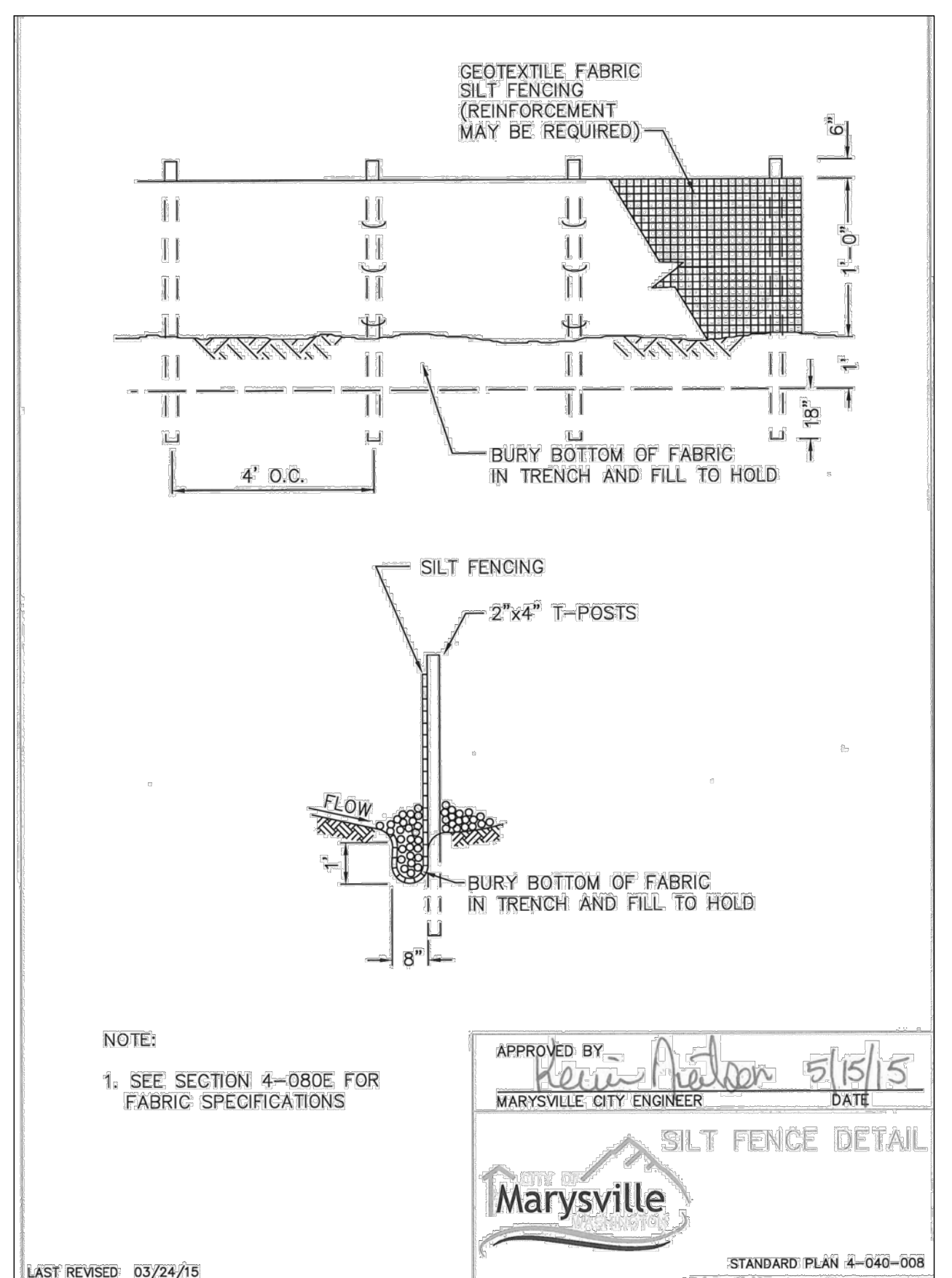
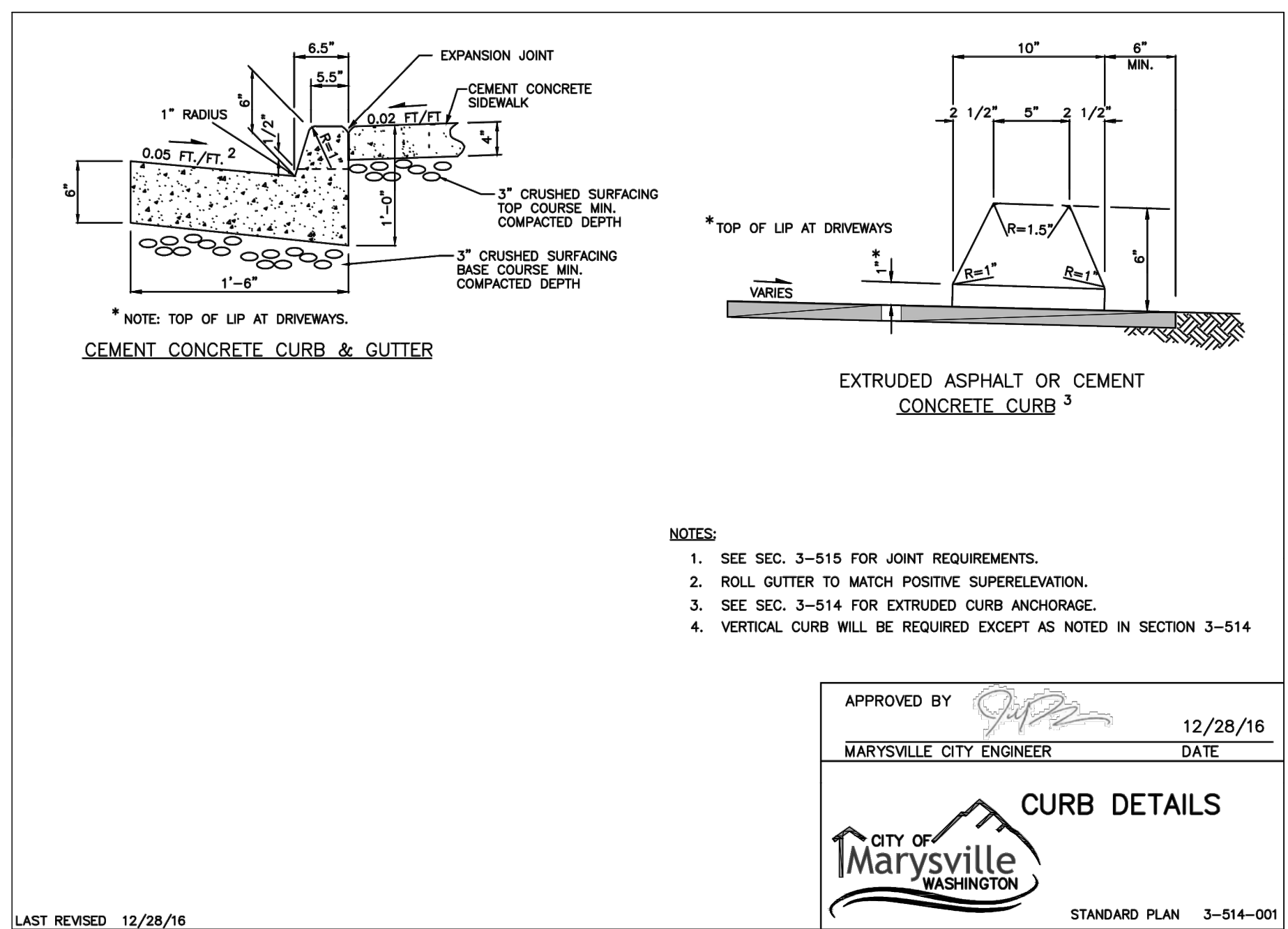
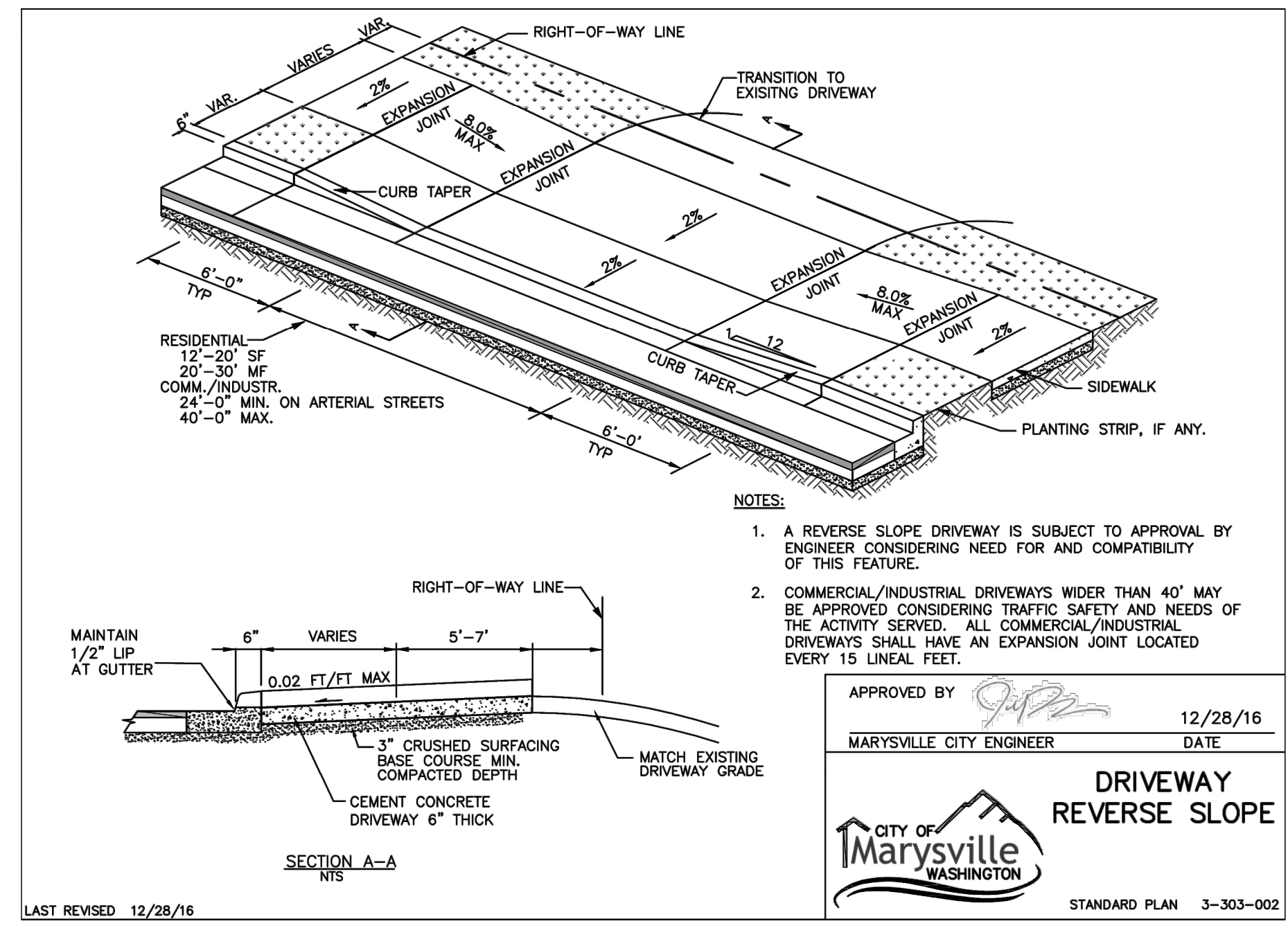
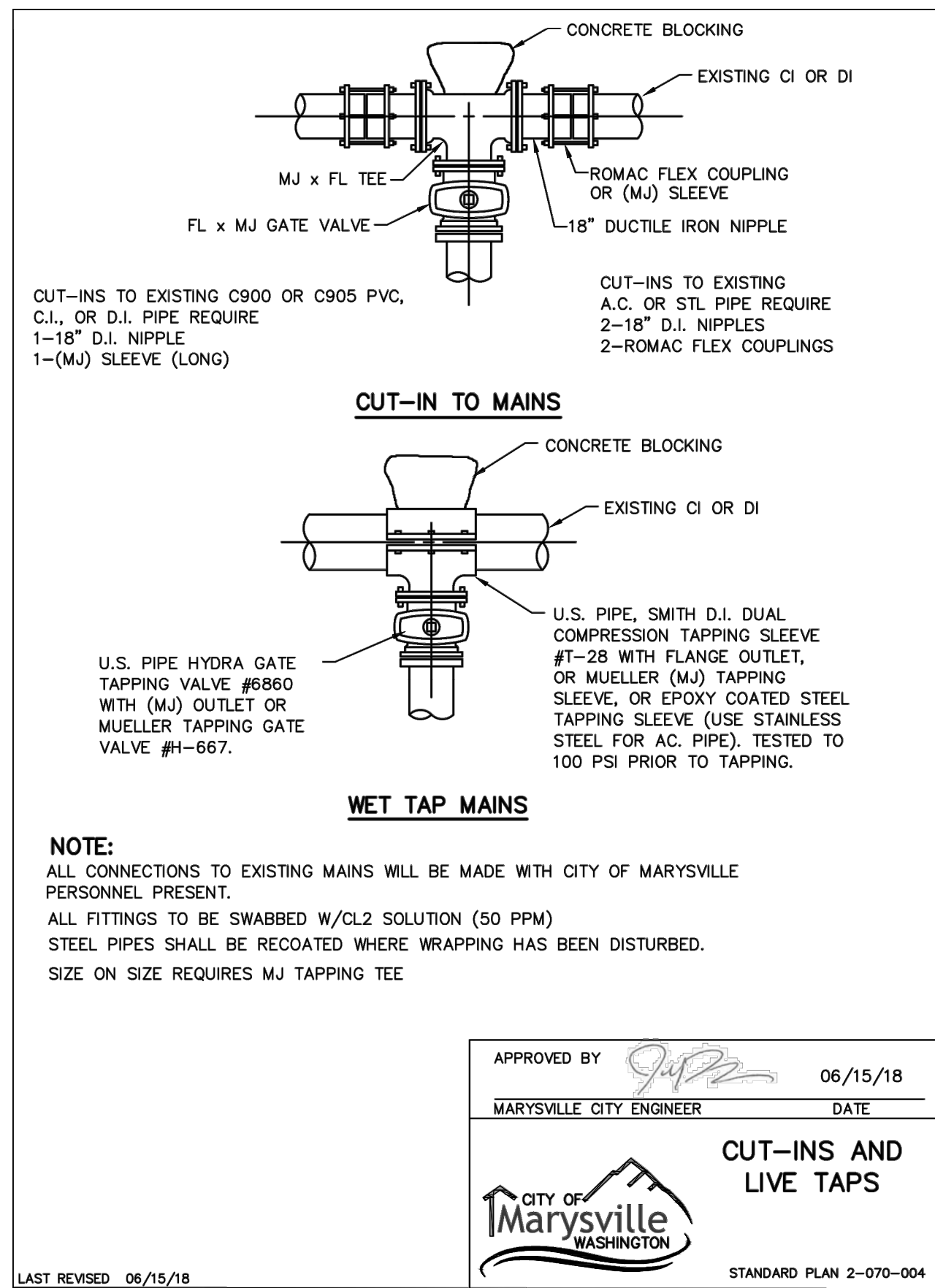
MBOWE

HEART SAVED ADULT CARE

NOTES

PROJECT NO.
220671

DWG
C6
OF 8



CITY OF MARYSVILLE CONSTRUCTION DRAWING REVIEW ACKNOWLEDGMENT

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PFN:
MBOWE
 HEART SAVED ADULT CARE
 SITE DRAINAGE PLAN

PROJECT NO.
 220671

DWG
C7
 OF 8

STORMFILTER STEEL CATCHBASIN DESIGN NOTES

STORMFILTER TREATMENT CAPACITY IS A FUNCTION OF THE CARTRIDGE SELECTION AND THE NUMBER OF CARTRIDGES. 1 CARTRIDGE CATCHBASIN HAS A MAXIMUM OF ONE CARTRIDGE. SYSTEM IS SHOWN WITH A 27" CARTRIDGE, AND IS ALSO AVAILABLE WITH AN 18" CARTRIDGE. STORMFILTER CATCHBASIN CONFIGURATIONS ARE AVAILABLE WITH A DRY INLET BAY FOR VECTOR CONTROL. PEAK HYDRAULIC CAPACITY PER TABLE BELOW. IF THE SITE CONDITIONS EXCEED PEAK HYDRAULIC CAPACITY, AN UPSTREAM BYPASS STRUCTURE IS REQUIRED.

CARTRIDGE SELECTION

CARTRIDGE HEIGHT	27"			18"			18" DEEP		
RECOMMENDED HYDRAULIC DROP (H)	3.05'			2.3'			3.3'		
SPECIFIC FLOW RATE (gpm/sf)	2 gpm/sf	1.67* gpm/sf	1 gpm/sf	2 gpm/sf	1.67* gpm/sf	1 gpm/sf	2 gpm/sf	1.67* gpm/sf	1 gpm/sf
CARTRIDGE FLOW RATE (gpm)	22.5	18.79	11.25	15	12.53	7.5	15	12.53	7.5
PEAK HYDRAULIC CAPACITY	1.0			1.0			1.8		
INLET PERMANENT POOL LEVEL (A)	1'-0"			1'-0"			2'-0"		
OVERALL STRUCTURE HEIGHT (B)	4'-9"			3'-9"			4'-9"		

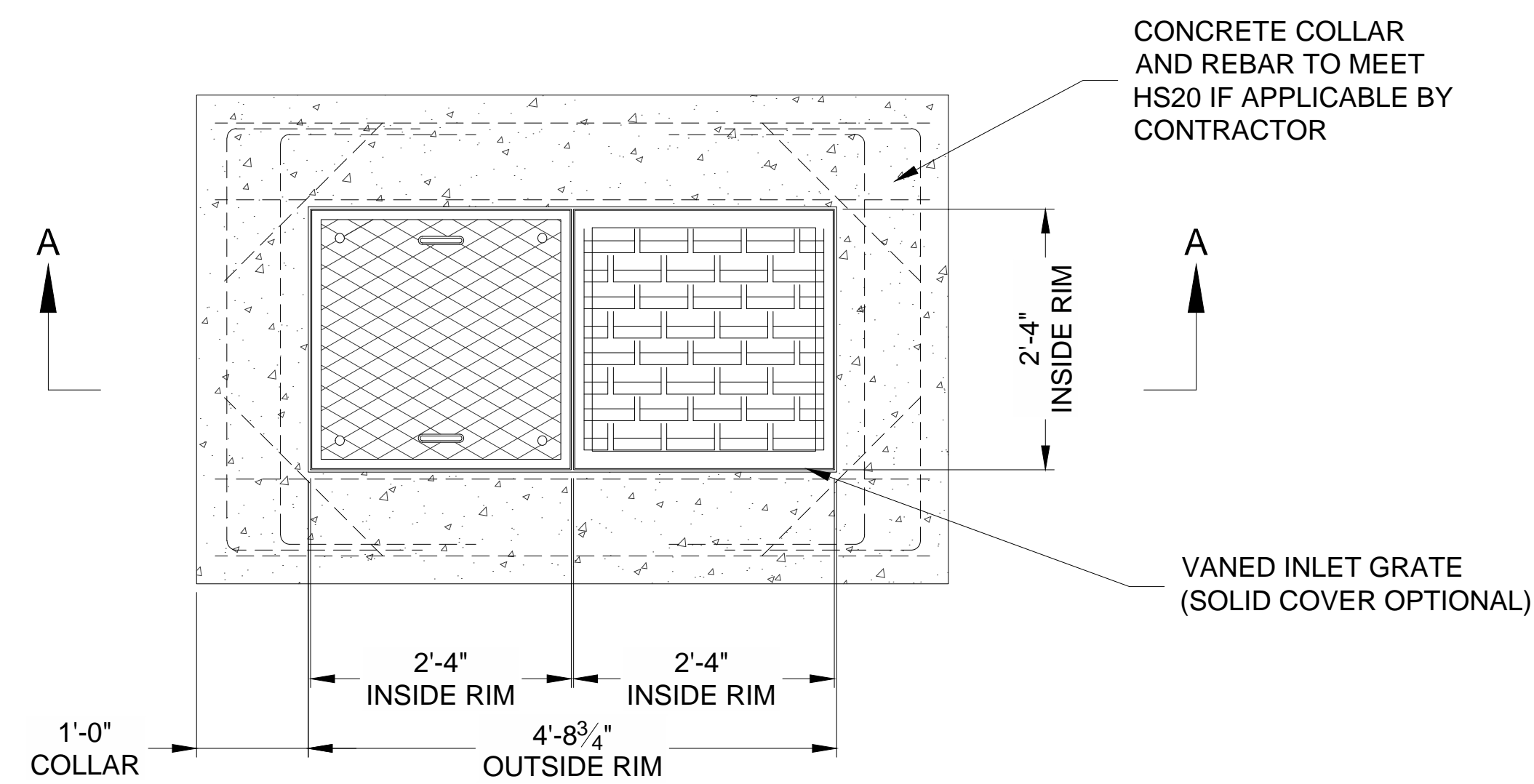
* 1.67 gpm/sf SPECIFIC FLOW RATE IS APPROVED WITH PHOSPHOSORB® (PSORB) MEDIA ONLY

GENERAL NOTES

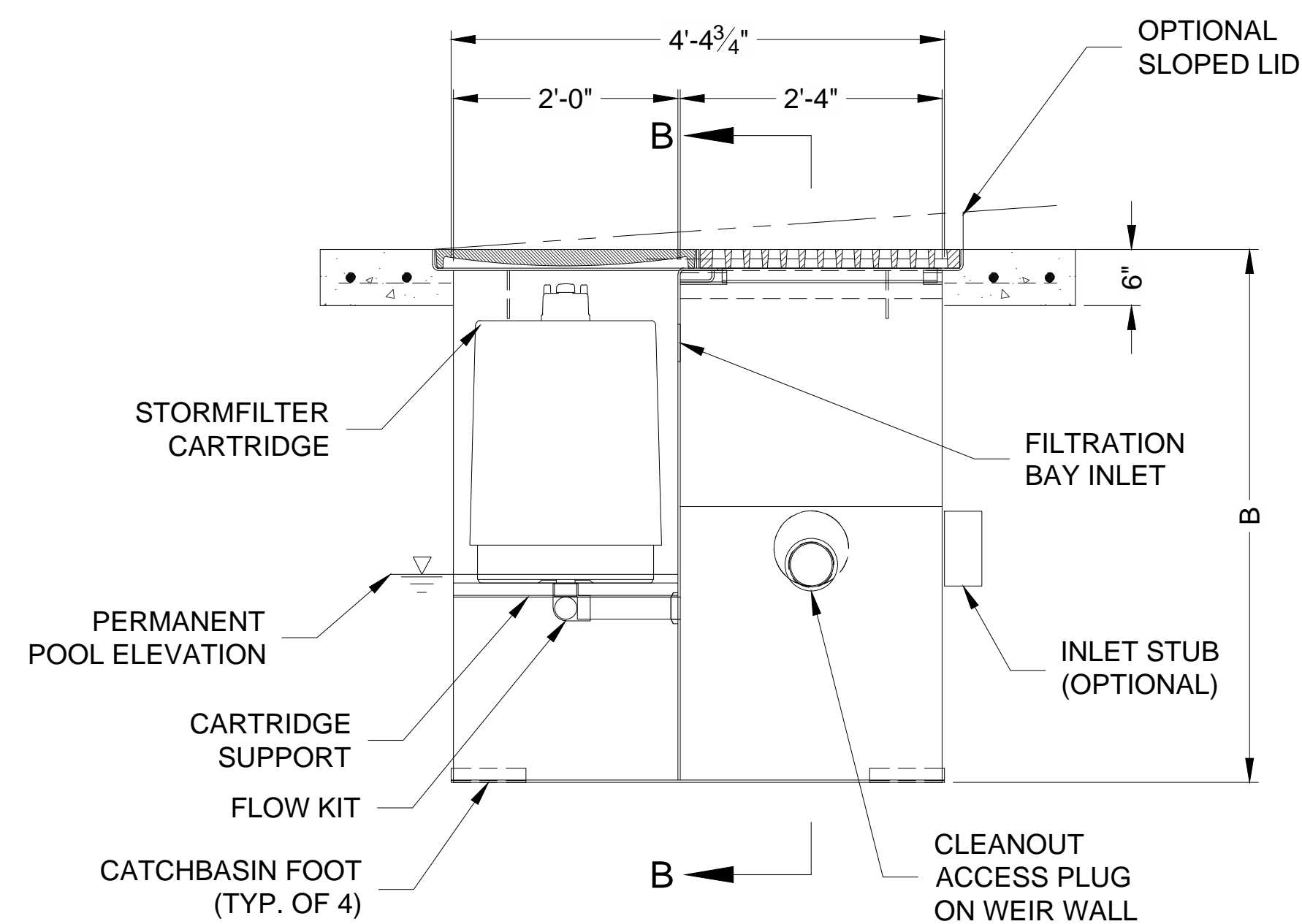
- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
- FOR SITE SPECIFIC DRAWINGS WITH DETAILED STORMFILTER CATCHBASIN STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.contechES.com
- STORMFILTER CATCHBASIN WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
- INLET SHOULD NOT BE LOWER THAN OUTLET. INLET (IF APPLICABLE) AND OUTLET PIPING TO BE SPECIFIED BY ENGINEER AND PROVIDED BY CONTRACTOR.
- MANUFACTURER TO APPLY A SURFACE BEAD WELD IN THE SHAPE OF THE LETTER "O" ABOVE THE OUTLET PIPE STUB ON THE EXTERIOR SURFACE OF THE STEEL SFCB.
- STORMFILTER CATCHBASIN EQUIPPED WITH 4 INCH (APPROXIMATE) LONG STUBS FOR INLET (IF APPLICABLE) AND OUTLET PIPING. STANDARD OUTLET STUB IS 8 INCHES IN DIAMETER. MAXIMUM OUTLET STUB IS 15 INCHES IN DIAMETER. CONNECTION TO COLLECTION PIPING CAN BE MADE USING FLEXIBLE COUPLING BY CONTRACTOR.
- STEEL STRUCTURE TO BE MANUFACTURED OF 1/4 INCH STEEL PLATE. CASTINGS SHALL MEET AASHTO M306 LOAD RATING. TO MEET HS20 LOAD RATING ON STRUCTURE, A CONCRETE COLLAR IS REQUIRED. WHEN REQUIRED, CONCRETE COLLAR WITH #4 REINFORCING BARS TO BE PROVIDED BY CONTRACTOR.
- FILTER CARTRIDGES SHALL BE MEDIA-FILLED, PASSIVE, SIPHON ACTUATED, RADIAL FLOW, AND SELF CLEANING. RADIAL MEDIA DEPTH SHALL BE 7-INCHES. FILTER MEDIA CONTACT TIME SHALL BE AT LEAST 38 SECONDS.
- SPECIFIC FLOW RATE IS EQUAL TO THE FILTER TREATMENT CAPACITY (gpm) DIVIDED BY THE FILTER CONTACT SURFACE AREA (sq ft).

INSTALLATION NOTES

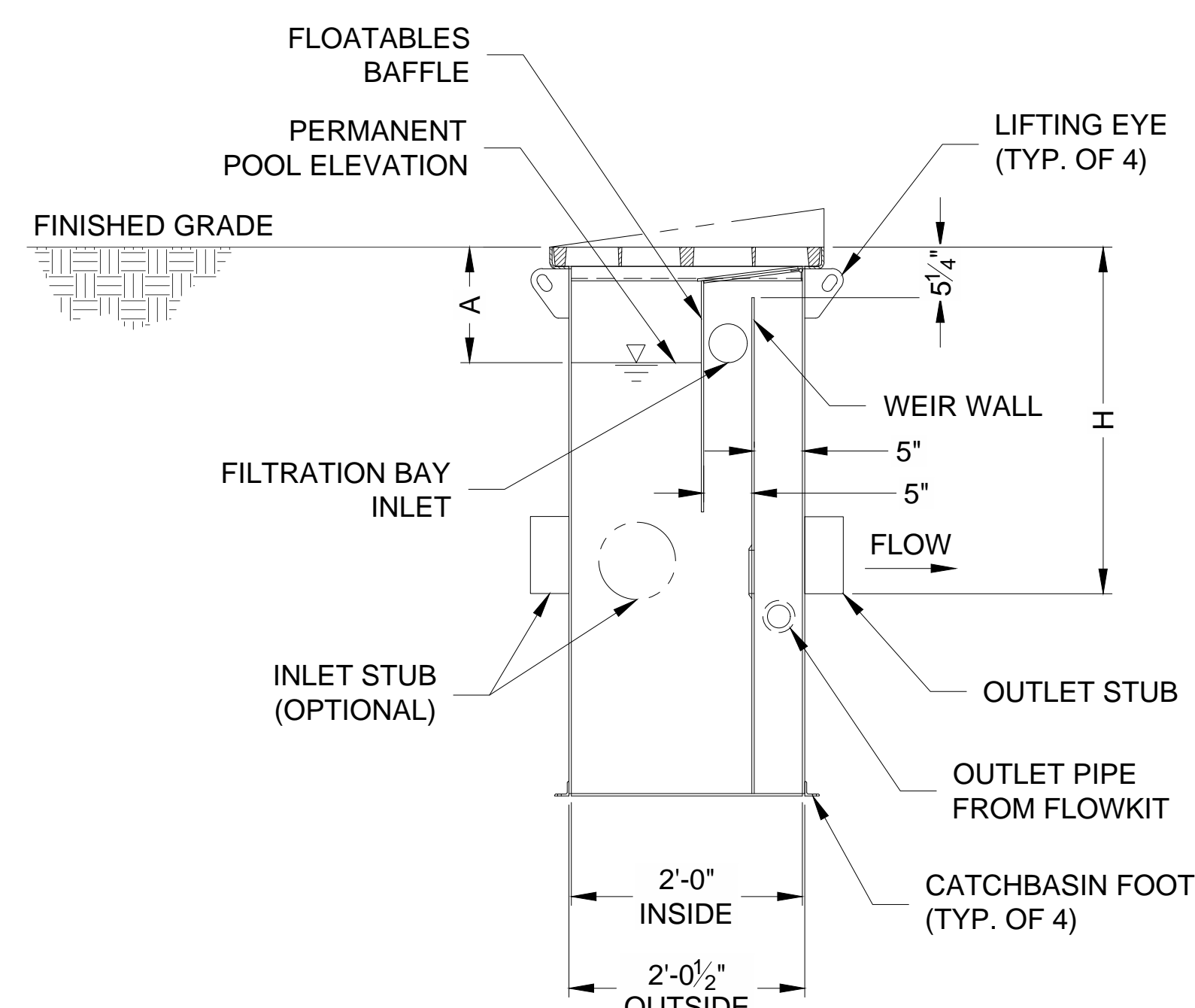
- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
- CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CATCHBASIN (LIFTING CLUTCHES PROVIDED).
- CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION-RELATED EROSION RUNOFF.



PLAN VIEW



SECTION A-A



SECTION B-B

1-CARTRIDGE CATCHBASIN STORMFILTER DATA	
STRUCTURE ID	CB-1
WATER QUALITY FLOW RATE (cfs)	0.0157
PEAK FLOW RATE (<1 cfs)	0.1075
RETURN PERIOD OF PEAK FLOW (yrs)	100
CARTRIDGE HEIGHT (27", 18", 18" DEEP)	18"
CARTRIDGE FLOW RATE (gpm)	7.5
MEDIA TYPE (PERLITE, ZPG, PSORB)	ZPG
RIM ELEVATION	46.51'
PIPE DATA:	
	I.E. DIAMETER
INLET STUB	
OUTLET STUB	44.21' 8"
CONFIGURATION	
SLOPED LID	NO
SOLID COVER	NO
NOTES/SPECIAL REQUIREMENTS:	

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CONTECH
ENGINEERED SOLUTIONS LLC

www.contechES.com
9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-526-3999 513-645-7000 513-645-7993 FAX

1 CARTRIDGE CATCHBASIN
STORMFILTER
STANDARD DETAIL

PFN:
MBOWE
HEART SAVED ADULT CARE
CB-1 STORMFILTER DETAIL

PROJECT NO.
220671
DWG
C9
OF 10

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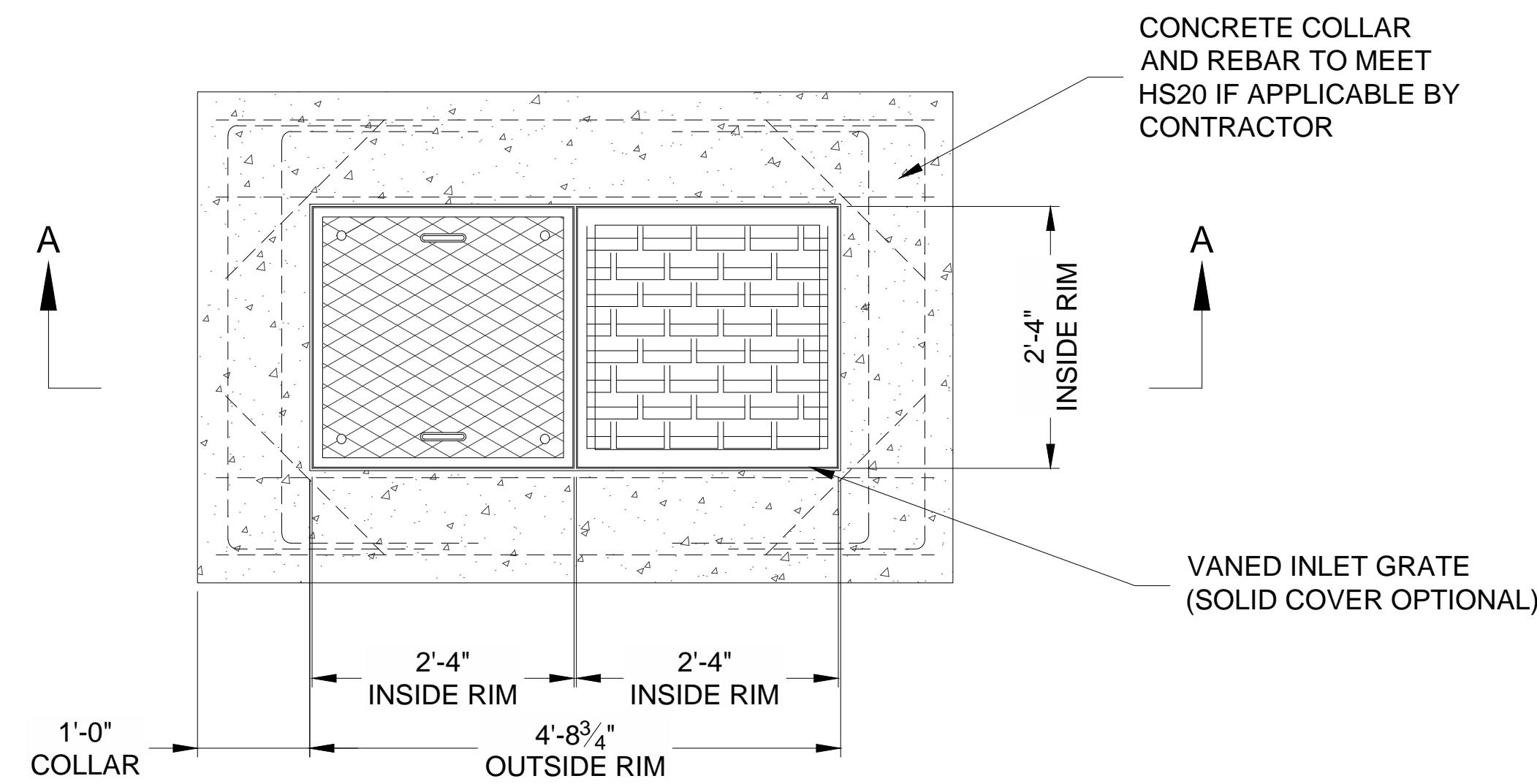
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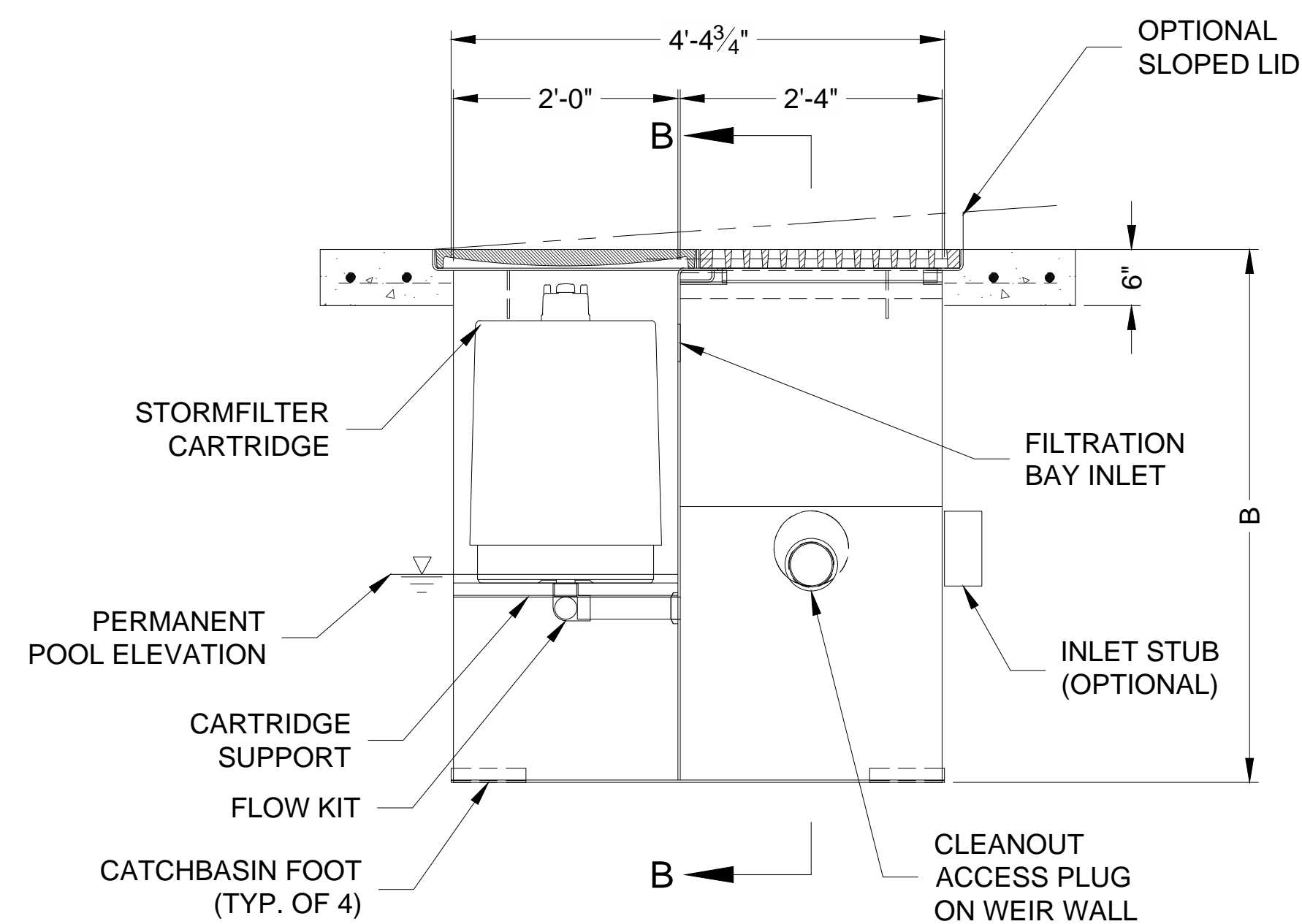
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- STEEL STRUCTURE TO BE MANUFACTURED OF 1/4 INCH STEEL PLATE. CASTINGS SHALL MEET AASHTO M306 LOAD RATING. TO MEET HS20 LOAD RATING ON STRUCTURE, A CONCRETE COLLAR IS REQUIRED. WHEN REQUIRED, CONCRETE COLLAR WITH #4 REINFORCING BARS TO BE PROVIDED BY CONTRACTOR.
- FILTER CARTRIDGES SHALL BE MEDIA-FILLED, PASSIVE, SIPHON ACTUATED, RADIAL FLOW, AND SELF CLEANING. RADIAL MEDIA DEPTH SHALL BE 7-INCHES. FILTER MEDIA CONTACT TIME SHALL BE AT LEAST 38 SECONDS.
- SPECIFIC FLOW RATE IS EQUAL TO THE FILTER TREATMENT CAPACITY (gpm) DIVIDED BY THE FILTER CONTACT SURFACE AREA (sq ft).

INSTALLATION NOTES

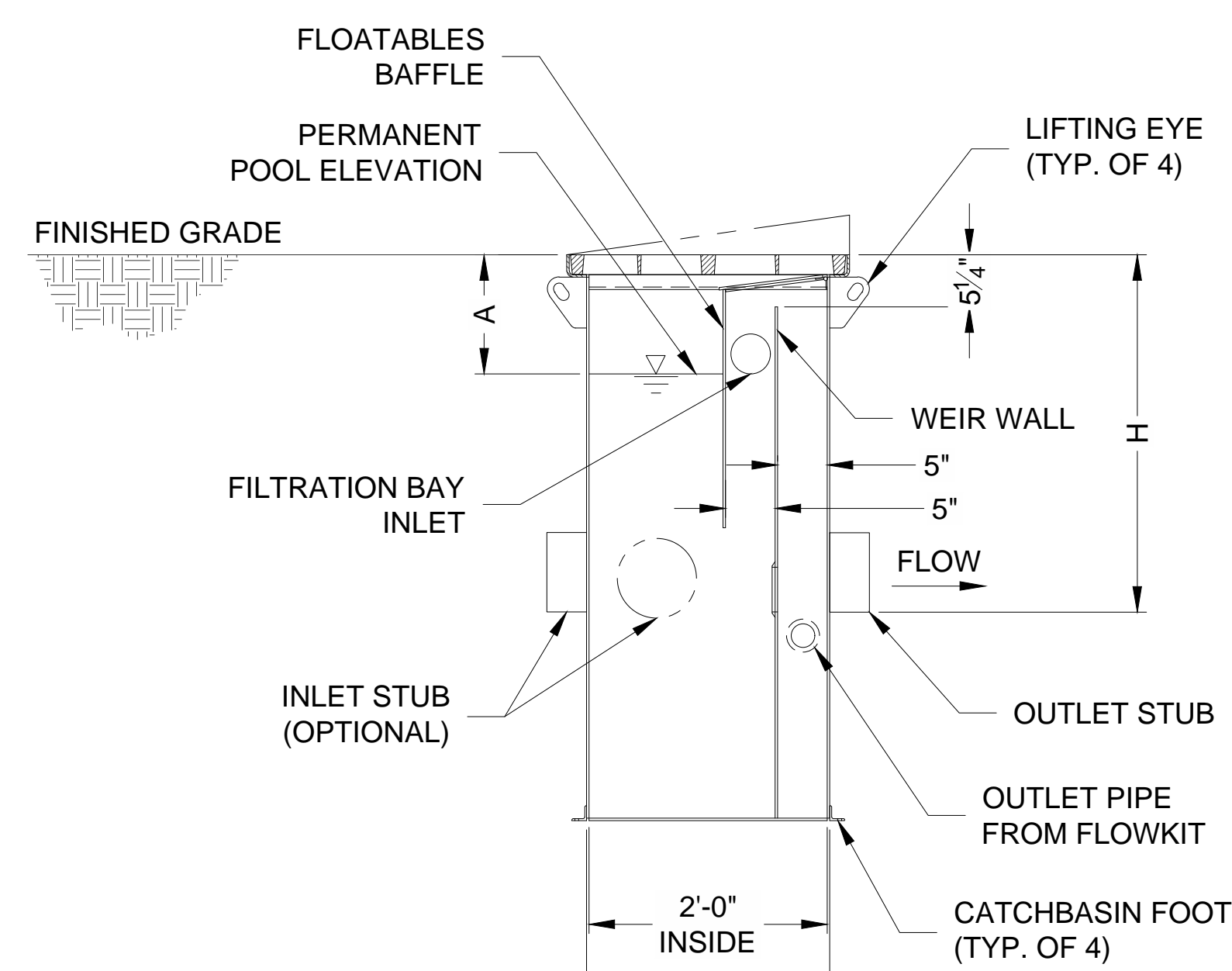
- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
- CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CATCHBASIN (LIFTING CLUTCHES PROVIDED).
- CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION-RELATED EROSION RUNOFF.



PLAN VIEW



SECTION A-A

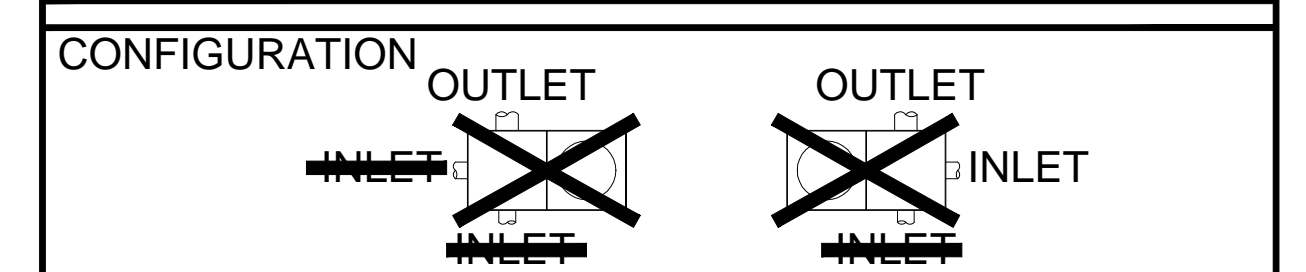


SECTION B-B

1-CARTRIDGE CATCHBASIN STORMFILTER DATA

STRUCTURE ID	CB-2
WATER QUALITY FLOW RATE (cfs)	0.0157
PEAK FLOW RATE (<1 cfs)	0.0988
RETURN PERIOD OF PEAK FLOW (yrs)	100
CARTRIDGE HEIGHT (27", 18", 18" DEEP)	18"
CARTRIDGE FLOW RATE (gpm)	7.5
MEDIA TYPE (PERLITE, ZPG, PSORB)	ZPG
RIM ELEVATION	46.26

PIPE DATA:	I.E.	DIAMETER
INLET STUB		
OUTLET STUB	43.96'	8"



SLOPED LID	NO
SOLID COVER	NO
NOTES/SPECIAL REQUIREMENTS:	

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1 CARTRIDGE CATCHBASIN
STORMFILTER
STANDARD DETAIL

PFN:
MBOWE
HEART SAVED ADULT CARE
CB-2 STORMFILTER DEEP DETAILS

PROJECT NO.
220671

DWG
C10
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