

○ SITE PLAN KEYNOTES

1. CONCRETE SIDEWALK.
2. REINSTALL SALVAGED WOODEN RAMP, RAILINGS, AND SUPPORTS.
3. WATERPROOF EXTERIOR FACE OF WALL, SEE DETAIL ON SHEET CS401.
4. REINSTALL SALVAGED SIGN.
5. CONCRETE PAVEMENT
6. RIPRAP SPLASHPAD
7. APPLY 2" SOD PER SPECIFICATIONS
8. REINSTALL SALVAGED CANOPY

A

B

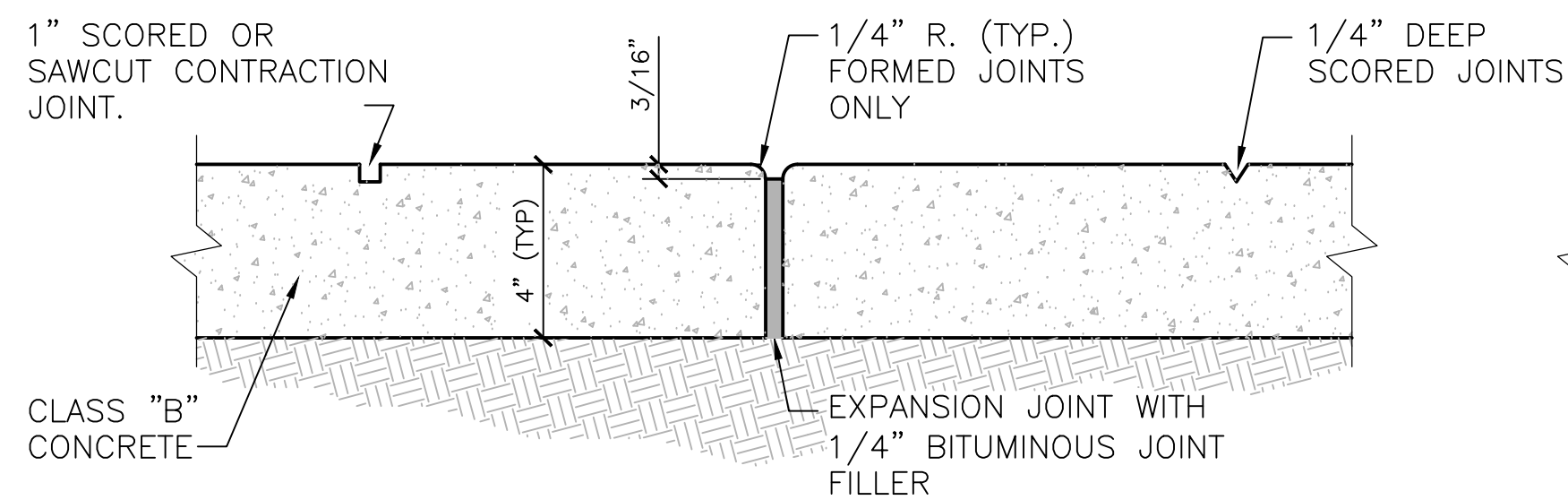
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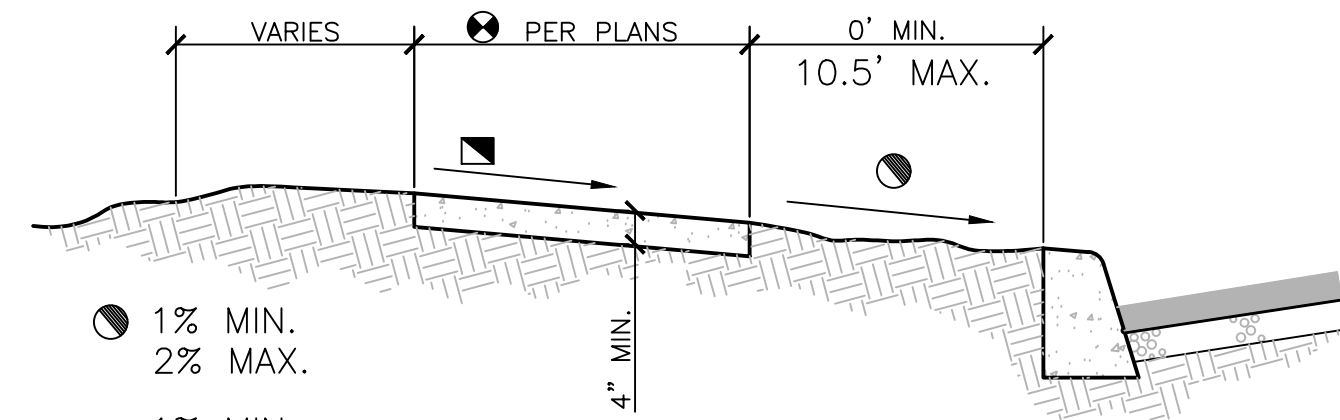
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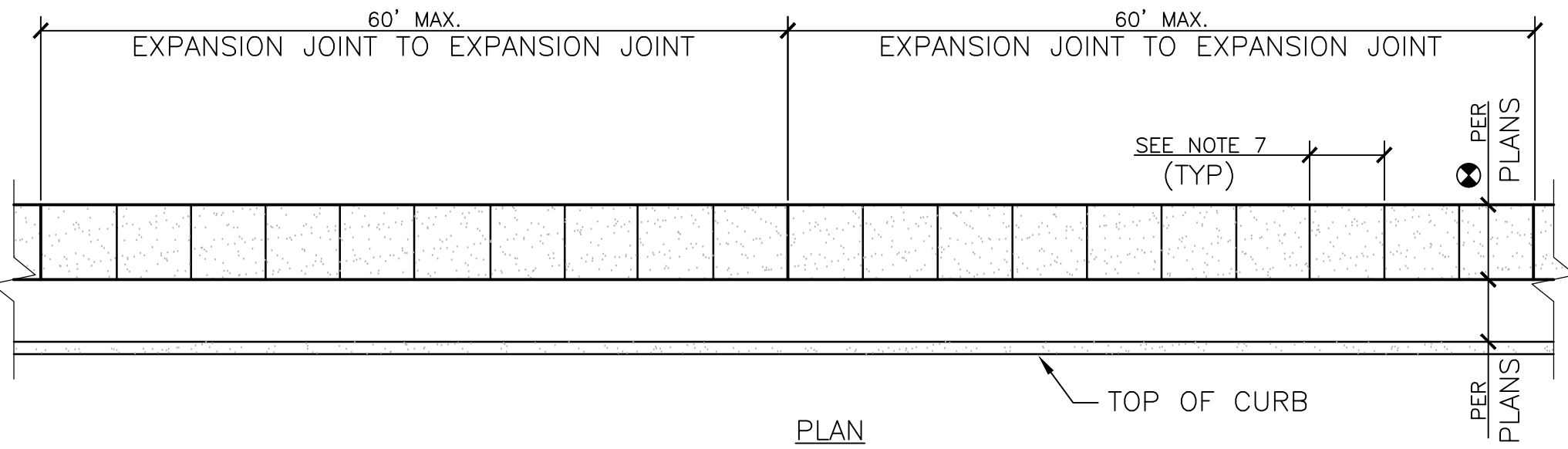
P:\16.1046 - VA Milwaukee - AE IDIQ-2\Task 10 - Repair Site Drainage Bldg 7\2. Drawings\2-2_Civil\16.1046.10 - DETAILS.dwg 5-08-18 02:27:31 PM kcyf



EXPANSION AND SCORED JOINT DETAIL



TYPICAL SECTION

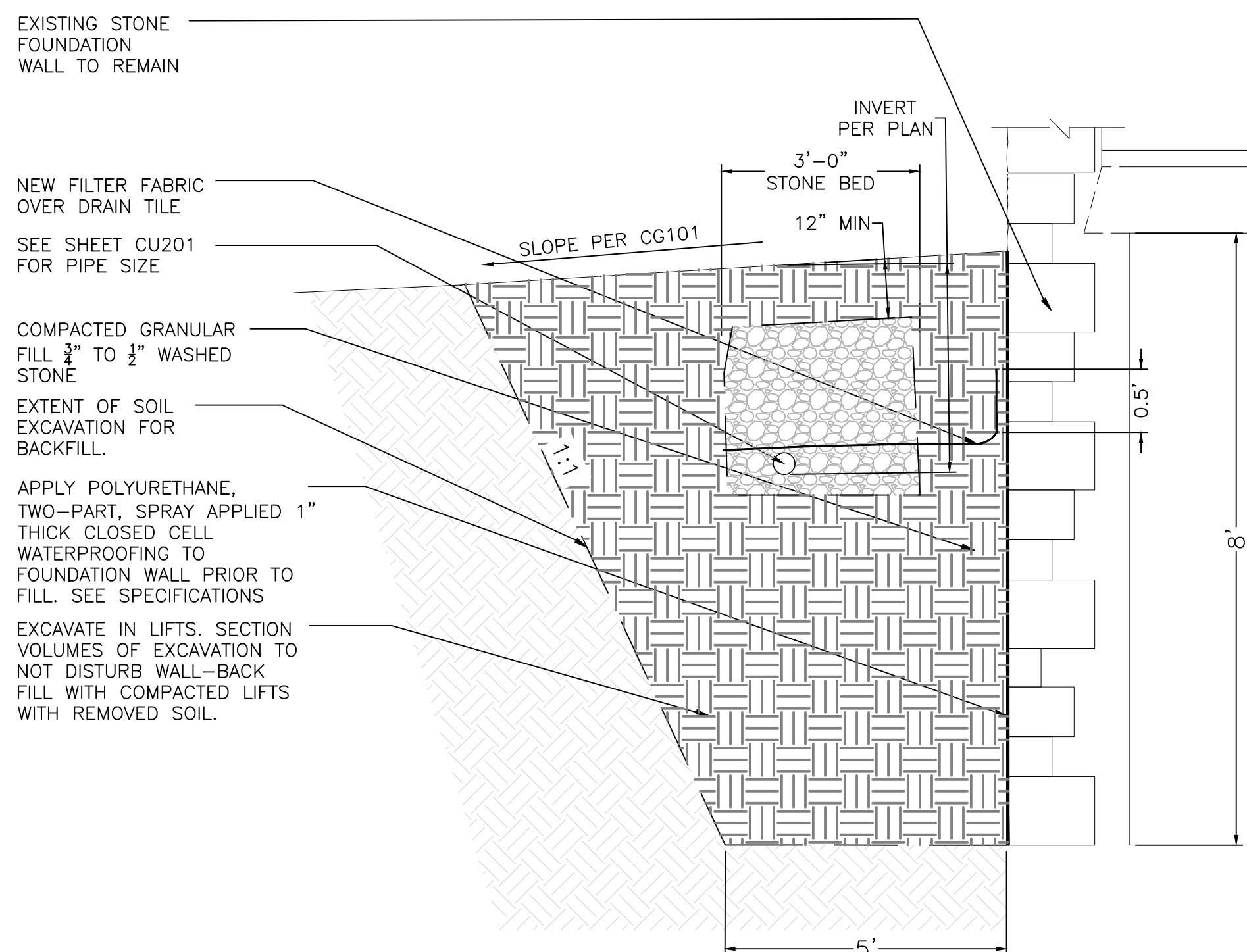


NOTES:

1. EXPANSION JOINTS SHALL BE LOCATED WHERE SIDEWALK ABUTS CONCRETE DRIVEWAYS, CURB OR OTHER ADJACENT STRUCTURES.
2. ONE-HALF INCH BITUMINOUS JOINT FILLER SHALL BE INSTALLED AT EXPANSION JOINT LOCATIONS AND SHALL EXTEND THE FULL DEPTH OF THE CONCRETE.
3. 1" DEEP CONTRACTION JOINTS SHALL BE PLACED AT INTERVALS OF APPROXIMATELY 15' OR AT A SPACING THAT MATCHES THE ADJACENT CURB.
4. FORMED CONTRACTION JOINTS SHALL BE FINISHED WITH A TOOL HAVING A 1/4" RADIUS.
5. SCORED JOINTS SHALL BE 1/4" DEEP AND PLACED AT THE SPACING INDICATED FOR THE WIDTH OF SIDEWALK OR MATCH SCORED JOINTS OF ADJACENT CURB.
6. CONCRETE SHALL BE FINISHED BY MEANS OF A FLOAT, STEEL TROWELLED AND BROOMED WITH A FINE BRUSH IN A TRANSVERSE DIRECTION.
7. 1/4" DEEP SCORED JOINTS (TYP) SPACED AT 6' OR EQUAL TO SIDEWALK WIDTH.

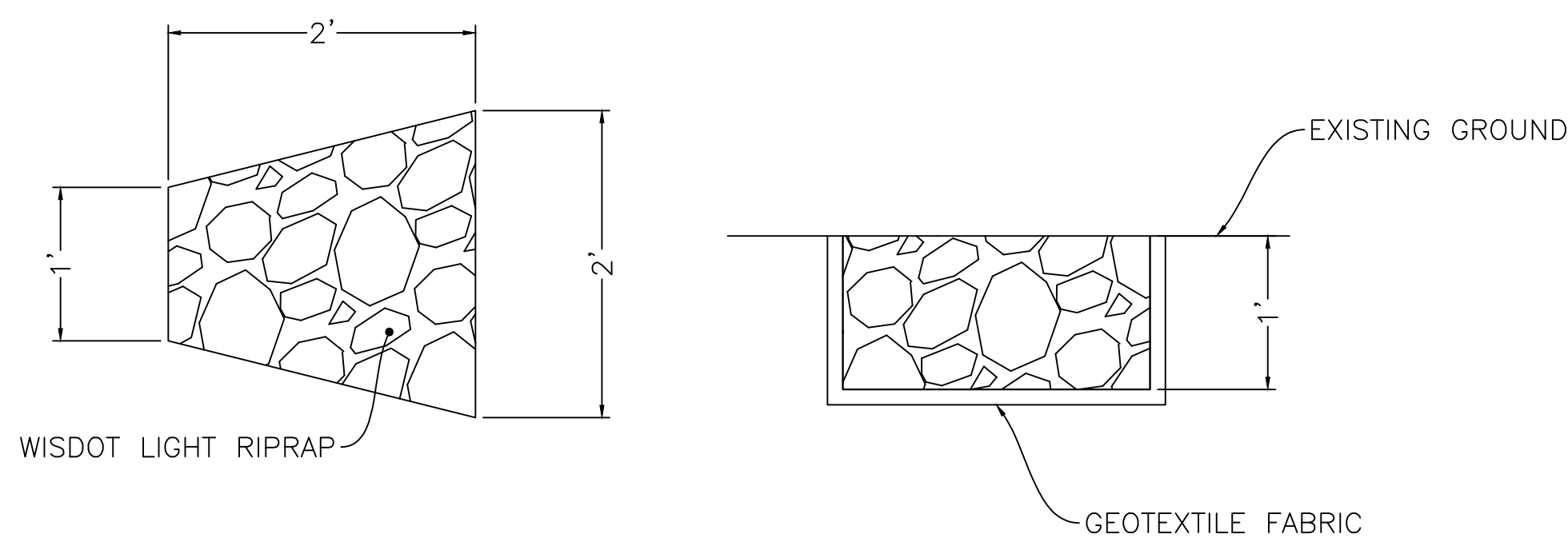
CONCRETE SIDEWALK

N.T.S.



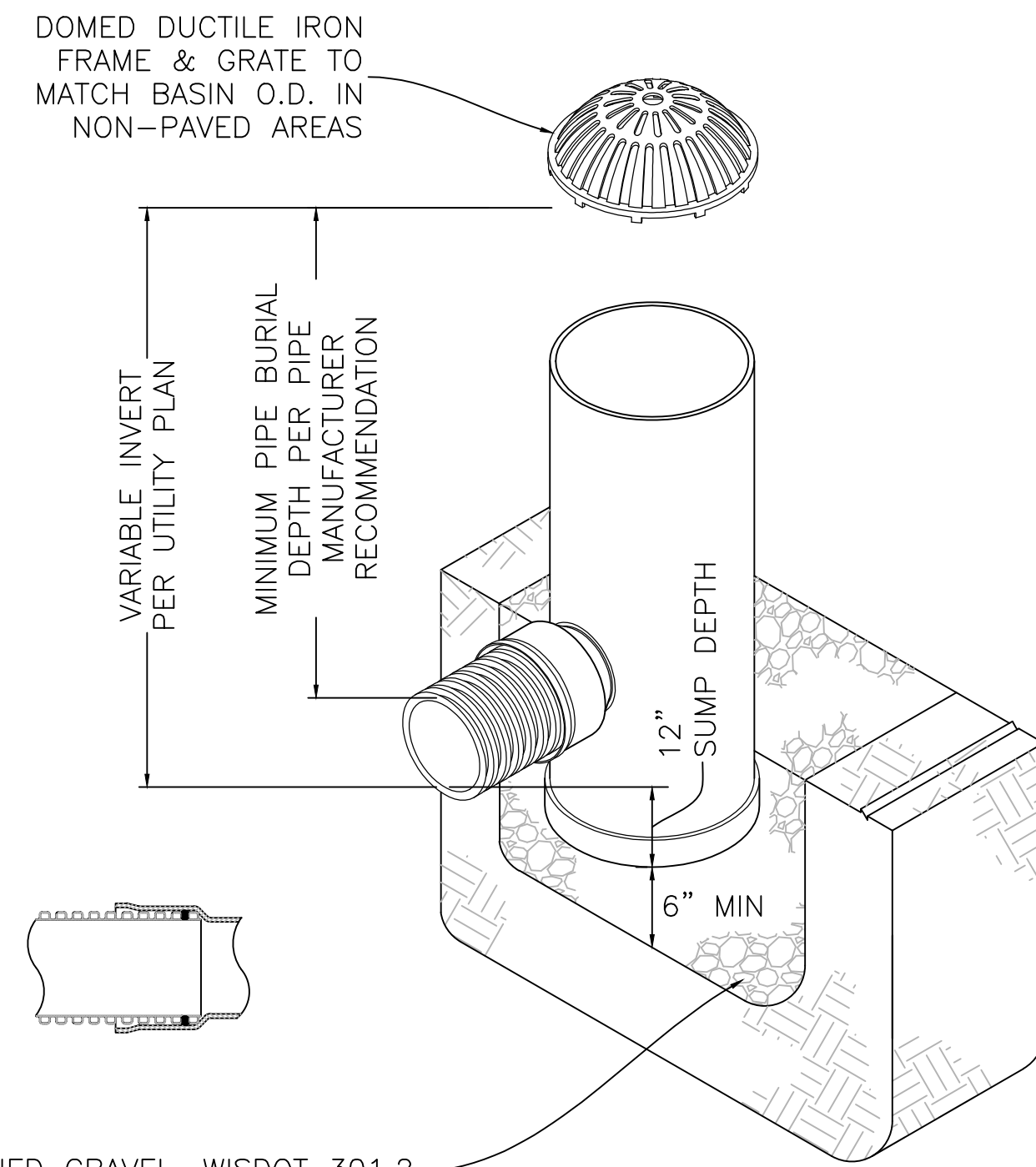
BASEMENT WATERPROOFING SECTION

N.T.S.



RIPRAP SPLASHPAD

N.T.S.

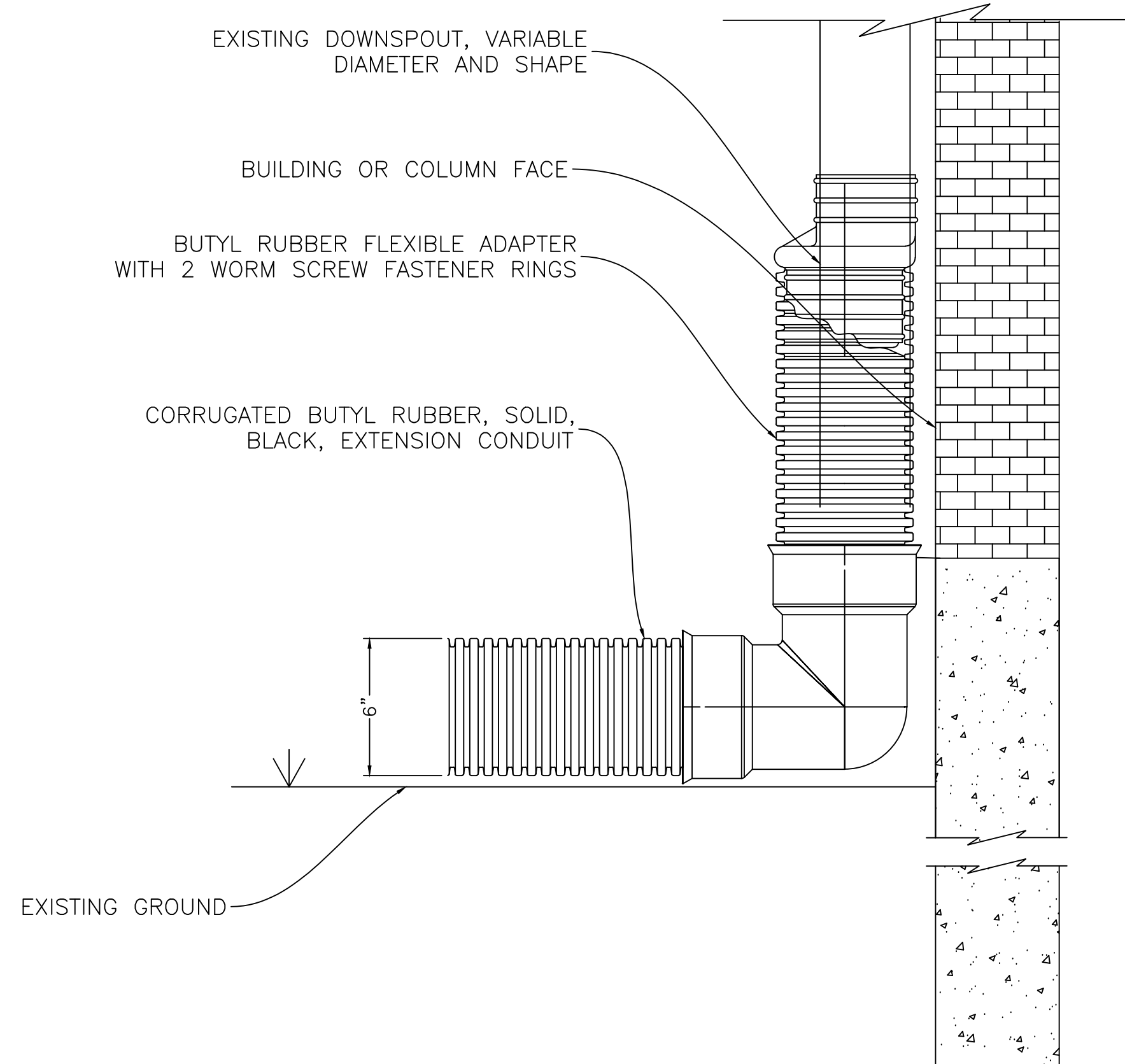


12" YARD DRAIN

N.T.S.

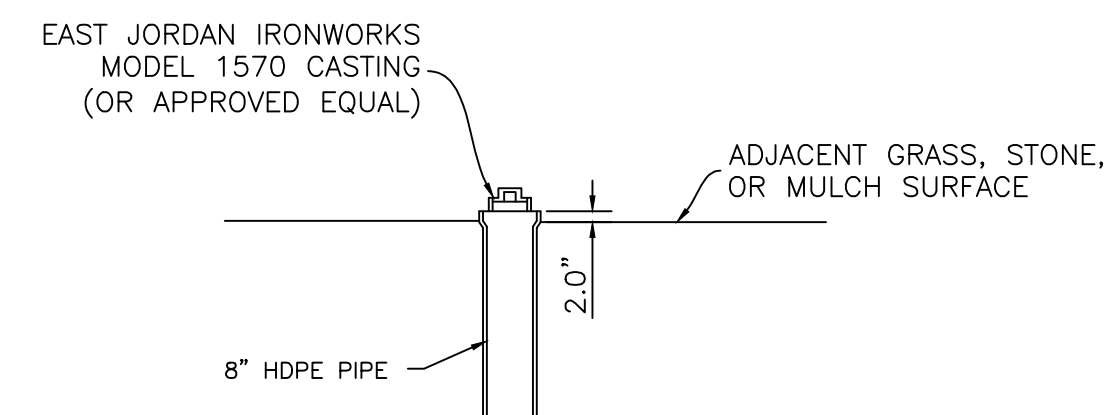
NOTE
YARD DRAIN CONFIGURATION IS TO BE PROVIDED PER INVERTS AND CASTING ELEVATIONS SHOWN ON UTILITY PLAN

LOCATION	GRATE	CONCRETE REQ'D AT GRATE
PAVEMENT	SQUARE, PEDESTRIAN	YES
NON-PAVEMENT	DOME	NO



DOWNSPOUT EXTENDER

N.T.S.

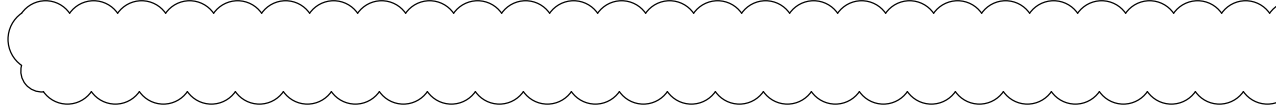


STORMWATER CLEANOUT IN NON-PAVED AREA

N.T.S.

		CONSULTANT		ENGINEER OF RECORD		STAMP		Office of Construction and Facilities Management		Drawing Title		Phase		Project Title		Project Number	
		ELECTRICAL ENGINEER: Ring & DuChateau, LLP. 17400 West Capitol Drive Brookfield, WI 53045 (414) 778-1700		CIVIL ENGINEER: Guidon Design, Inc. 905 North Capitol Ave, Suite 100 Indianapolis, IN 46204 (317) 800-6388						SITE DETAILS		Bid Set		Repair Site Drainage Bldg 7		695-18-105	
		SURVEYOR: raSmith 16745 West Bluemound Road Brookfield, WI 53005 (262) 781-1000								Approved: Project Director				Location Clement J. Zablocki VA Medical Center		Building Number 7	
		Revisions: AMENDMENT A00002 Date: 5/8/2018		GUIDON DESIGN SUSTAINABLE ARCHITECTURE + ENGINEERING										Issue Date 3/9/2018		Checked CMB	
														Drawn DSM			
																CS501	

CONSTRUCTION TO KEEP LINES IN SERVICE WHERE NEW UNDERGROUND UTILITIES ARE TO BE INSTALLED, SUPPORT EXISTING LINES IN BOTH HORIZONTAL AND VERTICAL PLANE, AND WHERE NEW UTILITIES HAVE BEEN INSTALLED, BACKFILL IN SAME MANNER AS THAT FOR EXISTING UTILITIES. PROVIDE FLOWABLE CONCRETE FILL FOR UTILITIES, PAVEMENT, AND STRUCTURES WHERE REQUIREMENTS CANNOT BE ACHIEVED.

1. COMPLY WITH APPLICABLE LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS.
2. FOR VIEWING CLARITY OF THESE PLANS, PIPES OR STRUCTURES MAY NOT BE DRAWN TO SCALE.
3. UTILITIES INDICATED ON PLANS MAY NOT BE COMPLETE INVENTORY OF UTILITIES CURRENTLY ON OR NEAR SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING PUBLIC AND PRIVATE UTILITY LOCATING SERVICES PRIOR TO STARTING CONSTRUCTION.
4. SIZE AND LOCATIONS OF UTILITIES INDICATED ON THESE PLANS ARE APPROXIMATE. DETERMINE AND FIELD VERIFY HORIZONTAL AND VERTICAL LOCATIONS PRIOR TO STARTING CONSTRUCTION ACTIVITIES.
5. DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO ATTENTION OF ENGINEER OF RECORD AND COR PRIOR TO CONSTRUCTION SO THAT REDESIGN OR CLARIFICATION MAY OCCUR.
6. PROVIDE TEMPORARY TRAFFIC CONTROL SIGNAGE, BARRICADES, PATHWAYS, ETC. REQUIRED TO MAINTAIN PEDESTRIAN AND VEHICLE ACCESS IN AND AROUND AREAS OF CONSTRUCTION. TEMPORARY TRAFFIC CONTROL SHALL INCLUDE BUT NOT BE LIMITED TO WORK INDICATED ON DRAWINGS.
7. 
8. PROVIDE GROUND WATER DEWATERING, TRENCH DEWATERING AND SURFACE WATER CONTROL. GROUND WATER DEWATERING SHALL BE MAINTAINED OPERATIONAL UNTIL UTILITIES ARE INSTALLED; BACKFILLED AND PERMANENT PUMPS IN STRUCTURES ARE OPERATING AND FUNCTIONAL. PROVIDE TEMPORARY PUMPS INSIDE AND OUTSIDE EACH STRUCTURE THROUGHOUT CONSTRUCTION TO PROTECT NEW AND EXISTING CONSTRUCTION FROM DAMAGE. PROVIDE BERMS, DRAIN PIPES, AND DIVERSIONS NECESSARY TO DIVERT SURFACE WATER AWAY FROM TRENCHES.

1. DEMOLISHED MATERIAL TO BECOME PROPERTY OF CONTRACTOR, UNLESS OTHERWISE NOTED, AND SHALL BE LEGALLY DISPOSED OF OFFSITE.
2. COORDINATE WORK ASSOCIATED WITH REMOVAL, RELOCATION, AND DEMOLITION OF EXISTING UTILITIES WITH RESPECTIVE UTILITY COMPANY AND COR.
3. EXISTING UNDERGROUND ELECTRIC AND TELEPHONE CABLES SHOWN ABANDONED IN PLACE MAY BE CUT AS NECESSARY TO FACILITATE CONSTRUCTION ACTIVITIES. ENSURE LINES ARE NOT ACTIVE PRIOR TO CUTTING.
4. MAINTAIN PROPER DRAINAGE IN DEMOLITION AREAS.
5. REPAIR DAMAGE TO EXISTING BUILDINGS AND/OR SITE ENTITIES THAT ARE TO REMAIN.
6. CONCRETE SHALL BE SAWCUT TO NEAREST CONCRETE JOINT BEYOND LIMITS ILLUSTRATED.
7. COORDINATE SHUTDOWN AND STARTUP OF UTILITIES WITH COR. COR. SHALL BE RESPONSIBLE FOR SHUTDOWNS AND START UP OF EXISTING SYSTEMS. CONTRACTORS SHALL HAVE PERSONNEL ON-SITE AT TIME OF START UP TO ASSIST WITH START UP OF ANY SYSTEMS.

1. DO NOT USE SOD FOR FILL.
2. LAWN AREAS: REUSE SUITABLE EXCAVATED SPOILS.
3. TEST EXCAVATED SPOILS FOR WASTE PROTOCOL 8, ONE SAMPLE PER 50' TRENCH LENGTH.
4. DISPOSE SPOILS AT LEGALLY APPROVED SITE.
5. REFER TO SPEC 31 20 00 ARTICLE 3.5 FOR OFFSITE REQUIREMENTS FOR UNSUITABLE SOILS.

1. DIMENSIONS ARE TO BACK OF CURB. WHEN CURBS ARE NOT PRESENT, DIMENSION ARE TO EDGE OF PAVEMENT.
2. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS ON SITE PRIOR TO CONSTRUCTION AND IDENTIFY DISCREPANCIES TO ENGINEER OF RECORD AND COR.
3. WHERE WORK IS DONE IN EXISTING AREAS, EXISTING FINISHED CONDITIONS ARE TO BE REPAIRED OR REPLACED. THESE FINISHED CONDITIONS ARE TO MATCH EXISTING UNLESS OTHERWISE NOTED.

1. ENSURE THAT POSITIVE DRAINAGE IN IMPROVED AREAS. TEST AND CORRECT ANY PONDING CONDITIONS.
2. GRADES AT PROJECT BOUNDARY OR PROPERTY LINE SHALL MEET EXISTING GRADES.
3. BUILDING PAD AREAS AND PAVED AREAS DESIGNATED FOR FILL SHALL BE CONSTRUCTED OF SUITABLE FILL MATERIAL AND COMPACTED PER SPECIFICATIONS. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL PRIOR TO PLACEMENT OF FILL.
4. CONTOURS ARE SHOWN AS REFERENCE TO MEET JURISDICTIONAL REQUIREMENTS. GRADE SITE PER PROPOSED SPOT GRADE ELEVATIONS.

9. WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED OR HAVE TEMPORARILY BEEN SUSPENDED FOR MORE THAN FOURTEEN DAYS, OR WHEN FINAL GRADES ARE REACHED IN ANY PORTION OF SITE, STABILIZATION SHALL BE IMPLEMENTED WITHIN SEVEN DAYS. TEMPORARY STABILIZATION SHALL BE PROVIDED FOR EROSION, RILLING, EMISSION MAT, OR WISDOT TYPE B SOIL STABILIZER (POLYMER) SHALL BE APPLIED TO SOIL SURFACE WHEN SITE IS NOT READY FOR PERMANENT RESTORATION. WHEN STABILIZATION NOT POSSIBLE DUE TO SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS POSSIBLE.

10. DUST CONTROL SHALL BE IMPLEMENTED THROUGHOUT CONSTRUCTION AND SHALL UTILIZE METHODS OUTLINED IN WDNR TECH STD. 1068. AT MINIMUM, WATER SPRAY OPEN SOIL AND TRACKING ONCE EACH WORK DAY.
11. MINIMIZE REMOVAL OF VEGETATIVE COVER AND EXPOSURE OF BARE GROUND. PROVIDE SEEDING AND MULCHING, SODDING, DIVERSION OF SURFACE RUNOFF, INSTALLATION OF STRAW BALES OR SILT SCREENS, CONSTRUCTION OF SETTLING BASINS, OR SIMILAR METHODS AS SOON AS POSSIBLE AFTER REMOVAL OF ORIGINAL GROUND COVER AS DESCRIBED IN WISCONSIN DNR TECHNICAL STANDARDS. ANY STOCKPILE THAT REMAINS OVER 7 DAYS MUST BE STABILIZED WITH MIXTURE NO. 20 FROM WISDOT SECTION 630.
12. STORM WATER AND GROUND WATER PUMPED FROM EXCAVATIONS AND/OR DEWATERING WELLS SHALL BE DISPOSED OF IN ACCORDANCE WITH WISCONSIN STATUTES. SEDIMENT BASINS, SEDIMENT TRAPS AND/OR USE OF POLYMERS TO CONTROL SEDIMENT: NOT ALLOWED. DISCHARGE OR PUMPED WATER TO SANITARY SEWERS: NOT ALLOWED.
13. AFTER SITE IS UNIFORMLY STABILIZED ACROSS 80% OF SITE AREA REMOVE TEMPORARY EROSION CONTROL MEASURES AND DISPOSE OF PROPERLY.
14. MAINTAIN LOG OF EROSION CONTROL INSPECTIONS, REPAIRS MADE, AND RAIN EVENTS. SUBMIT WITH PAY REQUESTS.
15. PLACE MINIMUM OF 6 INCHES OF TOPSOIL IN AREAS TO RECEIVE PERMANENT SEEDING. MILL, GRIND, AND SCREEN SOD AND TOPSOIL REUSED FROM SITE CLEARING AND GRUBBING. OFF-SITE TOPSOIL: TEST (PHYSICAL AND CHEMICAL) AND PROVE MEETS SPECIFICATIONS, PER EACH SOURCE, AND SUBMIT SAMPLES BEFORE DELIVERY, NUMBER AND TYPE SPECIFIED.
16. MAINTAIN CONDITION OF EXISTING TREES/SHRUBS/VEGETATION AND SOD DURING CONSTRUCTION, TO REMAIN AS PART OF THIS CONTRACT. REPAIR ANY DAMAGE AT NO COST TO GOVERNMENT.
17. RESTORE, SEED & MULCH GRASSED AREAS DISTURBED AS PART OF WORK ASSOCIATED WITH THIS CONTRACT.
18. EXISTING CATCH BASINS TO BE PROTECTED WITH WISDOT TYPE "B" INLET PROTECTION DURING CONSTRUCTION ACTIVITIES.
19. CONTRACTOR RESPONSIBLE FOR REMOVING INLET PROTECTION FROM INLETS IDENTIFIED ON THIS PLAN AND IN NOTES ABOVE (FOR PLAN CLARITY) FOLLOWING SITE STABILIZATION OR PAVING COMPLETION.

1. EXCEPT AS NOTED IN NOTE 2 BELOW, MAINTAIN ACCESS TO AT LEAST ONE LANE. UTILIZE PLATES TO PROVIDE ACCESS TO VEHICLES WHEN TRENCHES MUST REMAIN OPEN.
2. FOLLOWING WORK AREAS SHALL BE WEEKEND WORK: SHORT DURATION TWO-LANE CLOSURES, SCHEDULED AROUND DELIVERIES.
3. WHERE ROADS CLOSED, PROVIDE BARRICADES ACROSS TRAFFIC LANES.
4. WHEN PORTION OF PARKING LOT IS CLOSED, PROVIDE NOTICE TO COR TWO WEEKS IN ADVANCE, FOR VA POLICE COORDINATION TO LOCK OUT SPACES.

1. PROVIDE SEED MIXES PER SPECIFICATIONS.
2. CONTRACTOR SHALL EMPLOY EROSION CONTROL METHODS AS SHOWN AND SPECIFIED IN WISCONSIN DEPARTMENT OF NATURAL RESOURCES CONSTRUCTION SITE TECHNICAL STANDARDS AND WISDOT EROSION CONTROL PRODUCT ACCEPTABILITY LISTS.
3. EROSION CONTROL MEASURES SHALL BE ADJUSTED TO MEET FIELD CONDITIONS AT TIME OF CONSTRUCTION AND SHALL BE INSTALLED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON SITE.
4. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED FOR STABILITY AND OPERATION AFTER A RAINFALL OF 0.5 INCHES OR MORE, BUT NO LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY. WRITTEN REPORTS, EROSION AND SEDIMENT CONTROL INSPECTIONS ARE AS REQUIRED BY WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR).


5. SILT FENCE SHALL BE INSTALLED IN LOCATIONS SHOWN ON CONSTRUCTION PLANS. SILT FENCE SHALL BE INSTALLED PER DETAILS ON SHEET CJS01. SEDIMENT DEPOSITS: REMOVE FROM BEHIND SILT FENCE WHEN DEPOSITS REACH DEPTH OF 6 INCHES. SILT FENCE: REPAIR OR REPLACE TO MAINTAIN BARRIER.
6. EROSION CONTROL MEASURES SHALL BE MAINTAINED ON CONTINUING BASIS UNTIL SITE IS PERMANENTLY STABILIZED. SITE STABILIZATION INVOLVING SEEDING WHICH IS NOT COMPLETED PRIOR TO SEPTEMBER 15TH SHALL BE COMPLETED WITH DORMANT SEEDING BY NOVEMBER 1ST. SODDING MAY OCCUR ANYTIME SOD IS AVAILABLE AND SOD AND SOIL IS NOT FROZEN.
7. EROSION CONTROL MEASURES MUST BE IN PLACE AT END OF EACH WORKDAY.
8. SEDIMENT DEPOSIT/TRACKING FROM CONSTRUCTION WORK OR STORM



MATCH EXISTING GRADE		PERMANENT SEEDING	
SPOT ELEVATION		CONSTRUCTION STAGING AREA	
TOP OF CURB EDGE OF PAVEMENT		CONCRETE LIMITS	
TOP OF CURB GUTTER		ASPHALT LIMITS	
POSED MINOR CONTOUR		RAMP REMOVAL	
POSED MAJOR CONTOUR		ASPHALT RESURFACING LIMITS	
STORM STRUCTURES		GRAVEL LIMITS	
STORM SEWER	XX LF OF X" RCP 	BUILDING LIMITS	
SANITARY STRUCTURE		LIGHT POLE	
SANITARY SEWER	XX LF OF XX" PVC 	SIGN	
UNDERGROUND COMMUNICATIONS	_____ T _____	INLET PROTECTION	
WATER MAIN	XX LF OF XX" WM	CONCRETE WASHOUT AREA	
UNDERGROUND ELECTRIC	_____ UE _____	WATER TEE, BENDS	
ROOF DRAIN	_____ RD _____	WATER MAIN VALVE	
UNDER DRAIN	_____ UD _____	CLEANOUT	
FIBER OPTIC	_____ FO _____	FIRE HYDRANT	
GAS MAIN	_____ G _____	WATER MAIN REDUCER	
FIRE MAIN	_____ FM _____	PARKING BUMPER	
SANITARY FORCE MAIN	_____ > _____	DIRECTION OF FLOW	
CONSTRUCTION FENCE	_____ * * * * _____		
TREE PROTECTION	_____ TP _____ TP _____		
SILT FENCE	_____ SF _____		
SUPER SILT FENCE	_____ SSF _____		
CENTERLINE	_____ - _____		
FEMA FLOOD ZONE			

SECTION NAME:

SECTION LOCATED ON SHEET NO.


AC	ACRE	MOT	MAINTENANCE OF TRAFFIC
ABC	AGGREGATE BASE COURSE	MUTCD	MANUAL ON UNIFORM TRAFFIC
ABD	AMERICANS WITH DISABILITIES ACT		CONTROL DEVICES
BC	BACK OF CURB	N/A	NOT APPLICABLE
BLDG	BUILDING	N/A	NOT IN CONTRACT
BM	BENCHMARK	NTS	NOT TO SCALE
CF	CUBIC FEET PER SECOND	OC	ON CENTER
CL	CENTER LINE	PC	POINT OF CURVE
CO	CLEANOUT	PCC	POINT OF COMPOUND CURVE
COMM	COMMUNICATION	PCR	PUMPED CONDENSATE RETURN
DAT	DATUM	PERF	POLYETHYLENE (PLASTIC)
DEFS	DEGREE	PI	POINT OF INTERSECTION
DEPT	DEPARTMENT	PR	PROPOSED
DOT	DEPARTMENT OF TRANSPORTATION	PRC	POINT OF REVERSE CURVE
EA	EACH	PT	POINT OF TANGENCY
ELEV	ELEVATION	PVC	POLYVINYL CHLORIDE (PLASTIC)
EP	EDGE OF PAVEMENT (PAVING)	R	RADIUS
ESMT	EASEMENT	RCP	REINFORCED CONCRETE PIPE
EQ	EQUAL	RT	RIGHT
EOL SP	EQUALLY SPACED	SA	STORM DRAIN
EQUIP	EQUIPMENT	SF	SQUARE FOOT (FEET)
ES	EQUIVALENT	SS	SANRY SEWER
EX	EDGE OF SHOULDER	STA	STATION
EX	EXISTING	STM	STEAM
F	FINISH FLOOR ELEVATION	SYM	SQUARE YARD
FFC	FACE OF CURB	T	TELEPHONE
FT	FEET	TBM	TEMPORARY BENCHMARK
G	GENERAL	TEMP	TEMPORARY
GPC	GENERAL PRIME CONTRACTOR	TOS	TOP OF BANK
HAZ MAT	HAZARDOUS MATERIALS	TOB	TOP OF BENCH
H	HIGH DENSITY POLYETHYLENE	TOC	TOE OF SLOPE
HPS	HIGH PRESSURE STEAM	TOE	TOE OF SLOPE
HYD	HYDRANT	TPD	TYPICAL
IN	INVERT ELEVATION	UD	UNDERDRAIN
INV	INVERT	UE	UNDERGROUND ELECTRIC
LF	LINEAR FEET (FOOT)	USGS	U.S. GEOLOGICAL SURVEY
L	LEFT	VAR	VARIES
MAX	MAXIMUM	VF	VERIFY IN FIELD
MEG	MATCH EXISTING GRADE	WL	WATER LINE
MISC	MISCELLANEOUS		

 AMENDMENT A00002	5/8/2018
Revisions:	Date:

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ENGINEER OF RECORD

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GUIDON 
DESIGN
SUSTAINABLE
ARCHITECTURE + ENGINEERING

STAMP

Office of
Construction
and Facilities
Management

VA | U.S. Department
of Veterans Affairs

Drawing Title
GENERAL NOTES
Approved: Project Director

Phase	
Bid Set	

Project Title		
Repair Site Drainage Bldg 7		
Location		
Clement J. Zablocki VA Medical Center		
Issue Date	Checked	Drawn
3/9/2018	CMB	DSM

Project Number	695-18-105
Building Number	7
Drawing Number	GI101