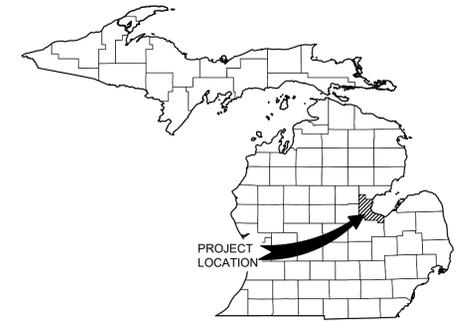


THE JEFFERSON PROJECT

SCULPTURE PARK AND GARDEN

1113 N JEFFERSON ST
BAY CITY, MI 48708



KEY MAP
NOT TO SCALE

SHEET INDEX	
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SOIL & EROSION CONTROL PLAN	C-2.1
SOIL & EROSION CONTROL DETAILS	C-2.2
SITE PLAN	C-3.0
JOINTING PLAN	C-3.1
GRADING PLAN	C-4.0
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Call before you dig.

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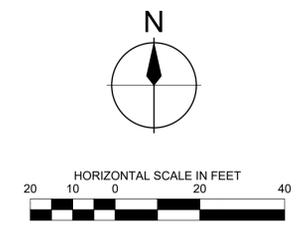
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WADE TRIM **rbl**
Wade Trim, Inc.
1403 S. Valley Center Drive
Bay City, MI 48706
989.686.3100 www.wadetrिम.com

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DATE: 02/20/2026
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JOB NO.
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G-1.0



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THE JEFFERSON PROJECT
 1113 N JEFFERSON
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EXISTING CONDITIONS PLAN

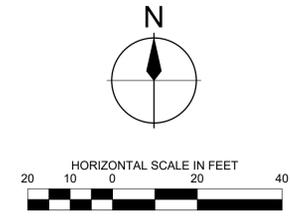
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 BID: 02/20/2026 SAL

JOB NO.
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SHEET
 C-1.0

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PROJECT MANAGER: [Name]
 CIVIL WORKSPACE: [Name]
 CHARTER COMMUNICATIONS MAPS INDICATES THEY HAVE OVERHEAD TELEPHONE LINES IN THIS AREA.



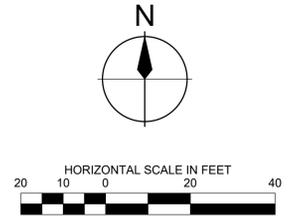
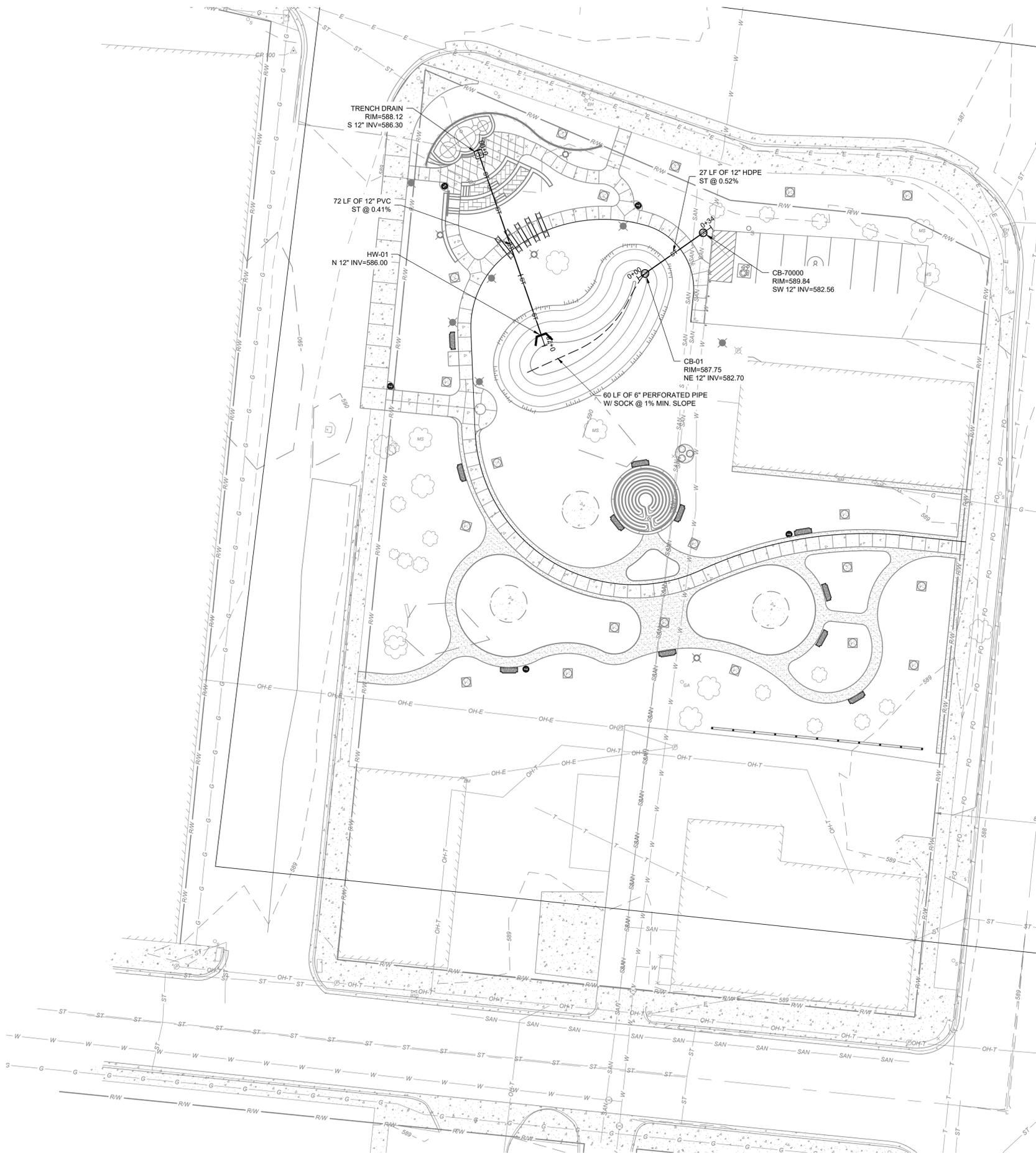
- DEMOLITION NOTES:**
- CONTRACTOR TO VERIFY AND OBTAIN ALL NECESSARY PERMITS PRIOR TO STARTING CONSTRUCTION, INCLUDING A RIGHT-OF-WAY PERMIT, AND SOIL EROSION AND SEDIMENTATION CONTROL PERMIT. REMOVAL OF ALL BRUSH, DEBRIS, AND UNDERSTORY VEGETATION SHALL BE INCIDENTAL TO DEMOLITION ITEMS.
 - PROTECT ALL EXISTING TREES TO REMAIN THROUGHOUT CONSTRUCTION. THIS INCLUDES LIMITING DISTURBANCE TO EXISTING ROOTS AND NOT COMPACTING SOIL WITHIN DRILINES OF TREES TO REMAIN.
 -

REV#	DATE	DESCRIPTION	BY



THE JEFFERSON PROJECT
1113 N JEFFERSON
BAY CITY, MI 48708

ISSUED FOR:	DATE:	BY:
BID	02/20/2026	SAL
JOB NO.	TJP2001.02M	
SHEET	C-2.0	



STR. #	SIZE	RIM	INVERTS	NORTHING	EASTING
CB-01	36"	587.75	NE 12" 582.70	767013.20	13251131.13
CB-70000	36"	589.84	SW 12" 582.56	767028.55	13251153.20
HW-01	???"	588.52	N 12" 586.00	766989.70	13251091.89
TRENCH DRAIN	36"	588.12	S 12" 586.30	767058.18	13251068.13

FROM STR. #	TO STR. #	SIZE	TYPE	UP STREAM INVERT	DN STREAM INVERT	LENGTH	SLOPE
CB-01	CB-70000	12"	HDPE	582.70	582.56	27'	0.52%
TRENCH DRAIN	HW-01	12"	PVC	586.30	586.00	73'	0.41%

PROJECT MANAGER: GUY WORKING/DATE: TRIM, INVOLE/MAN/PT/35012/SHEET/CLIP/P. PARK DWG PLOTTED 2020/08/15 5:55 PM BY: BROWN, MEGAN

REV#	DATE	DESCRIPTION	BY



THE JEFFERSON PROJECT
 1113 N JEFFERSON
 BAY CITY, MI 48708
STORMWATER PLAN

ISSUED FOR: BID	DATE: 02/20/2026	BY: SAL
JOB NO: TJP2001.02M		
SHEET: C-5.0		

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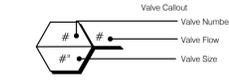


IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
	HUNTER MP1000 PROS-06-PRS30-CV TURF ROTATOR, 6IN. POP-UP WITH CHECK VALVE, PRESSURE REGULATED TO 30 PSI, MP ROTATOR NOZZLE ON PRS30 BODY. M=MAROON ADJ ARC 90 TO 210, L=LIGHT BLUE 210 TO 270 ARC, O=OLIVE 360 ARC.	46	30
	HUNTER MP2000 PROS-06-PRS30-CV TURF ROTATOR, 6IN. POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 30 PSI, MP ROTATOR NOZZLE ON PRS30 BODY. K=BLACK ADJ ARC 90-210, G=GREEN ADJ ARC 210-270, R=RED 360 ARC.	52	30
	HUNTER MP3000 PROS-06-PRS30-CV TURF ROTATOR, 6IN. POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 30 PSI, MP ROTATOR NOZZLE ON PRS30 BODY. B=BLUE ADJ ARC 90-210, Y=YELLOW ADJ ARC 210-270, A=GRAY 360 ARC.	11	30
	HUNTER PCB FLOOD BUBBLER, 1/2IN. FIPT.	35	25
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
	HUNTER ICZ-101-25 1" DRIP CONTROL ZONE KIT. 1IN. ICV GLOBE VALVE WITH 1IN. HY100 FILTER SYSTEM. PRESSURE REGULATION: 25PSI. FLOW RANGE: 2 GPM TO 20 GPM. 150 MESH STAINLESS STEEL SCREEN.	2	
	AREA TO RECEIVE DRIPLINE HUNTER HDL-06-16-COP HDL-06-18-COP COPPER OXIDE-INFUSED HUNTER DRIPLINE WITH 0.6 GPH FLOW. LIGHT BROWN TUBING WITH GRAY STRIPING. EMITTERS AT 18" O.C. DRIPLINE LATERALS SPACED AT 18" APART. WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. INSTALL WITH HUNTER PLD BARBED OR PLD-LOC FITTINGS.	3,520 LF	30
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	DETAIL
	HUNTER PGV-100G-S 1" 1IN. PLASTIC ELECTRIC REMOTE CONTROL VALVE, FOR RESIDENTIAL/LIGHT COMMERCIAL USE. SLIP X SLIP. GLOBE CONFIGURATION, NO FLOW CONTROL.	7	
	FEBCO 785 1" PRESSURE VACUUM BREAKER, BRASS WITH BALL VALVE SOV. INSTALL 12IN. ABOVE HIGHEST DOWNSTREAM OUTLET AND THE HIGHEST POINT IN THE DOWNSTREAM PIPING.	1	
	HUNTER P2C-400 WITH (02) PCM-300 LIGHT COMMERCIAL & RESIDENTIAL CONTROLLER, 10-STATION EXPANDED MODULE CONTROLLER, 120 VAC, OUTDOOR/INDOOR MODEL.	1	
	WATER METER 3/4" BAY CITY WATER	1	
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	26.1 LF	
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 1/2"	2,789 LF	
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 3/4"	248.8 LF	
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 1"	129.1 LF	
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 1 1/4"	48.1 LF	
	IRRIGATION MAINLINE: PVC SCHEDULE 40 1/2"	3.6 LF	
	IRRIGATION MAINLINE: PVC SCHEDULE 40 3/4"	7.2 LF	
	IRRIGATION MAINLINE: PVC SCHEDULE 40 1"	88.6 LF	
	IRRIGATION MAINLINE: PVC SCHEDULE 40 1 1/4"	71.9 LF	
	IRRIGATION MAINLINE: PVC SCHEDULE 40 1 1/2"	65.6 LF	
	PIPE SLEEVE: PVC CLASS 200 SDR 21	514.9 LF	

VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	HEADS	PIPE 1/2"	PIPE 3/4"	PIPE 1"	PIPE 1 1/4"	WIRE
C1	HUNTER ICZ-101-25	1"	AREA FOR DRIPLINE	4.97	746.9 LF	135.6				75.4
C2	HUNTER PGV-100G-S	1"	TURF ROTARY	10.64	7	142.7	41.3	11.5		60.7
C3	HUNTER PGV-100G-S	1"	BUBBLER	5.5	22	523.7				56.5
C4	HUNTER PGV-100G-S	1"	TURF ROTARY	16.85	34	409.9	50.7	43.3	2.8	22.3
C5	HUNTER PGV-100G-S	1"	TURF ROTARY	7.86	18	185.9	4.5			117.8
C6	HUNTER PGV-100G-S	1"	TURF ROTARY	7.63	22	242.7	23.3			123.7
C7	HUNTER PGV-100G-S	1"	TURF ROTARY	7.64	12	176.7	20.3			107.2
C8	HUNTER PGV-100G-S	1"	TURF ROTARY	11.18	18	271.9	14.6	4.0		108.3
C9	HUNTER ICZ-101-25	1"	AREA FOR DRIPLINE	19.25	2,776 LF	435.3	94.0	70.4	45.3	71.4
	Common Wire									236.9



PROJECT MANAGER: TRIM, INC. WORKSPACE: TRIM, INC. WORKSPACE: TRIM, INC. DATE: 02/20/2026 3:55 PM BY: BROWN, MEGAN

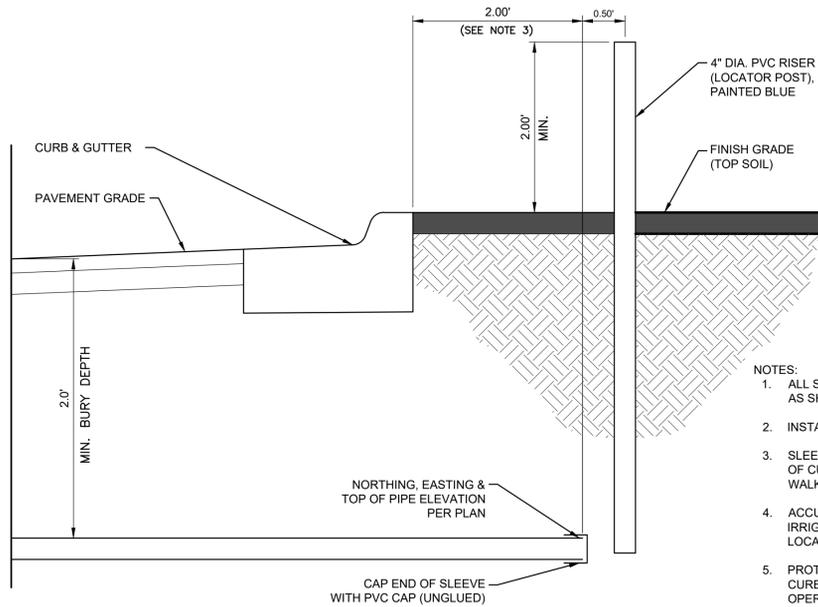
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THE JEFFERSON PROJECT
 1113 N JEFFERSON
 BAY CITY, MI 48708
 IRRIGATION PLAN

ISSUED FOR: BID	DATE: 02/20/2026	BY: SAL
JOB NO: TJP2001.02M		
SHEET: L-3.0		

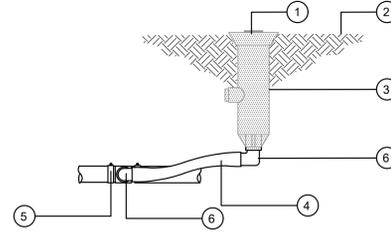
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IRRIGATION SLEEVE DETAIL
NO SCALE

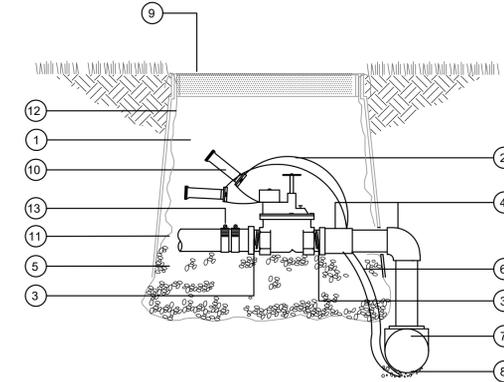
- NOTES:
1. ALL SLEEVES SHALL BE SCH 40 PVC, SIZED AS SHOWN ON THE SLEEVING PLAN.
 2. INSTALL SLEEVES 24" BENEATH PAVING.
 3. SLEEVE ENDS TO EXTEND 24" BEYOND BACK OF CURB OR EDGE OF SIDEWALK (WHERE WALK IS ADJACENT TO BACK OF CURB).
 4. ACCURATELY MARK SLEEVE LOCATIONS SO IRRIGATION & A/V'S CONTRACTOR CAN LOCATE THEM.
 5. PROTECT SLEEVES AND MARKERS DURING CURB & GUTTER INSTALLATION PAVING OPERATIONS TO PREVENT THEM FROM BEING CRUSHED.

1. INSTALL SPRINKLER 1/4" ABOVE GRADE AND A MINIMUM OF 6" OFF WALKS AND CURBS.
2. FINISH GRADE
3. POP UP SPRINKLER USING BOTTOM INLET.
4. 1/2" SWING PIPE, MINIMUM LENGTH 8" MAXIMUM LENGTH 18".
5. STAINLESS STEEL WORM GEAR CLAMP AND SCREW
6. 1/2" OR 3/4" MALE ELBOW



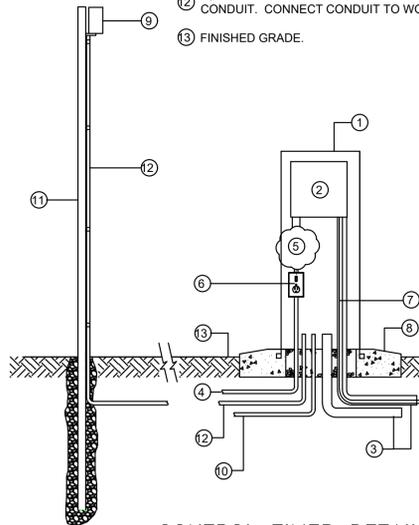
TWO ELBOW SWING JOINT DETAIL
NO SCALE

1. INTERIOR OF VALVE BOX TO BE FREE FROM SOIL AND DEBRIS
2. LEAVE COIL OF WIRE AT EACH VALVE TO ALLOW BONNET TO BE EXTENDED TO BOX EXTERIOR WITHOUT STRESSING WIRES AND CONNECTIONS
3. SCHEDULE 80 PVC NIPPLE
4. SCHEDULE 40 PVC FITTINGS
5. PEA STONE FROM BOTTOM OF VALVE TO 6" BELOW BOX
6. 24 VOLT COMMON AND CONTROL WIRE TO VALVE. SPLICE COMMON AT VALVE
7. MAINLINE PIPE. SEE SPECS FOR DEPTH OF BURY
8. CONTROL WIRES, INSTALLED BENEATH MAINLINE PIPE INSIDE CONDUIT #14AWG UL APPROVED FOR DIRECT BURY
9. VALVE BOX 11" X 14" WITH BLACK LID
10. 3M SCOTHLK OR DBY CONNECTORS
11. POLYETHYLENE PIPE TO SYSTEM
12. FILTER FABRIC
13. STAINLESS STEEL WORM GEAR CLAMPS DOUBLE CLAMP 1 1/4" PIPE AND LARGER



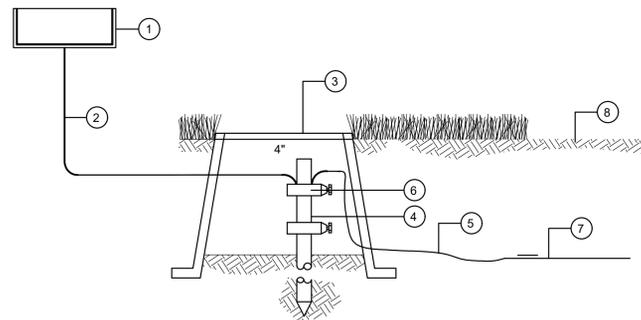
AUTOMATIC VALVE DETAIL
NO SCALE

1. STAINLESS STEEL ENCLOSURE.
2. CONTROLLER INSTALLED INSIDE STAINLESS STEEL ENCLOSURE.
3. TWO (2), 2" PVC CONDUITS FOR WIRES AND GROUNDING WIRE
4. 3/4" SCHEDULE 80 PVC CONDUIT FOR POWER SUPPLY, 18" BURY.
5. SURGE PROTECTION. REFER TO SPECIFIC MANUFACTURER'S RECOMMENDATIONS.
6. GFI SWITCH, REFER TO LOCAL ELECTRIC CODE FOR CONNECTIONS
7. #10 COPPER GROUND WIRE FROM CONTROLLER
8. 2' x 2' x 6" THICK POURED CONCRETE BASE
9. RAIN SENSOR
10. 3/4-INCH SCHEDULE 80 PVC CONDUIT FOR DATA LINE, 18" BURY.
11. 4 x 4 x 10' POST WITH 48" INSTALLED BELOW GRADE IN GRAVEL.
12. 3/4" CONDUIT. ALL WIRES TO RAIN SENSOR TO BE INSTALLED IN CONDUIT. CONNECT CONDUIT TO WOOD POST EVERY 18".
13. FINISHED GRADE.



CONTROL TIMER DETAIL
NO SCALE

1. CONTROL TIMER
2. SOLID BARE COPPER WIRE (#10) FROM GROUNDING ROD TO TIMER. MAKE WIRE AS SHORT AND STRAIGHT AS POSSIBLE.
3. COVER GROUNDING ROD WITH 10" ROUND VALVE BOX.
4. 5/8-INCH X 10 FT COPPER CLAD GROUNDING ROD OR GROUNDING PLATE. INSTALL RODS IN A TRIANGULAR PATTERN SPACED A MINIMUM OF 18 FEET APART FROM EACH OTHER. GROUNDING GRID TO HAVE A RESISTANCE OF 10 OHMS OR LESS.
5. BARE COPPER WIRE (#6 AWG MIN.) BETWEEN GROUNDING ROD AND GROUNDING PLATE.
6. GROUND ROD CLAMP
7. COPPER GROUNDING PLATE.
8. FINISH GRADE



NOTE:
REFER TO INDIVIDUAL
MANUFACTURERS FOR
INSTALLATION GUIDELINES.

CONTROL TIMER GROUNDING DETAIL
NO SCALE

GENERAL NOTES

1. INSTALL SPRINKLER HEADS 6" OFF WALK EDGES AND BACK OF CURBS.
2. INSTALL ONE VALVE PER VALVE BOX.
3. CONSULT WITH LANDSCAPE ARCHITECT TO GAIN APPROVAL OF ALL PIPE ROUTING AND SPRINKLER AND VALVE PLACEMENT PRIOR TO INITIATING WORK.
4. ALL TRENCHES SHALL BE EXCAVATED AND REFILLED ON THE SAME WORKING DAY. NO TRENCH SHALL BE OPEN OVER NIGHT.

REV#	DATE	DESCRIPTION	BY



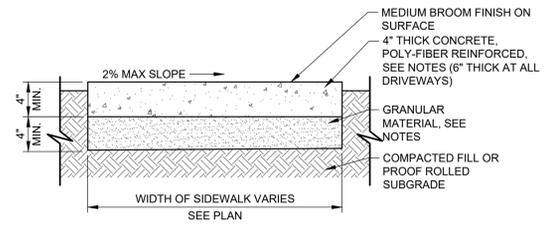
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BAY CITY, MI 48708

IRRIGATION PLAN

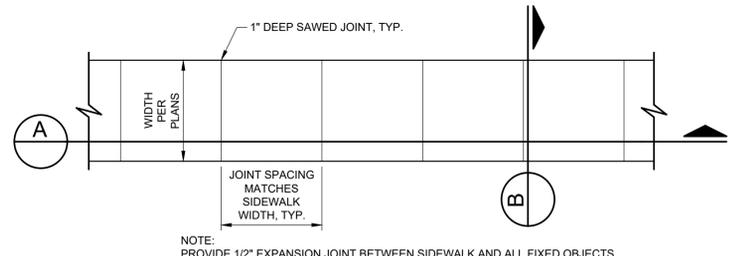
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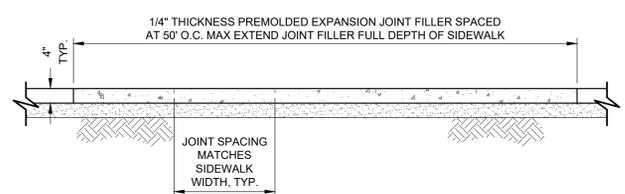
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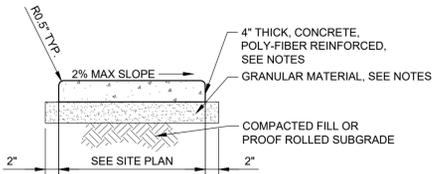
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PLAN VIEW
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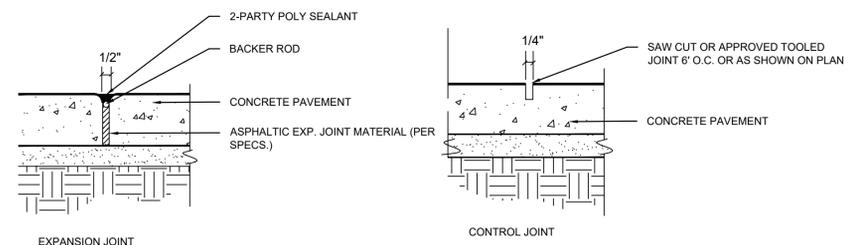
SECTION A
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SECTION B
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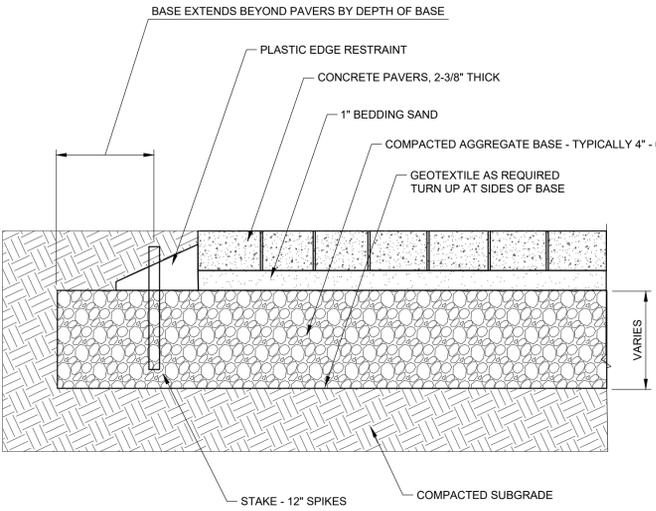
CONCRETE SIDEWALK

NOT TO SCALE



CONCRETE JOINTS

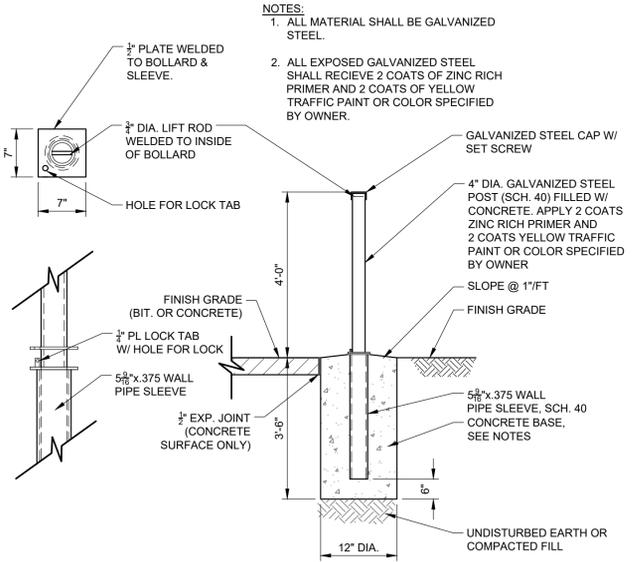
NO SCALE



TYPICAL PAVER LABYRINTH INSTALLATION CROSS-SECTION

NO SCALE

NOTE: THICKNESS OF AGGREGATE BASE WILL VARY WITH SUBGRADE CONDITIONS AND CLIMATE. COLDER CLIMATES MAY REQUIRE THICKER BASES. WWW.LABYRINTHCOMPANY.COM



REMOVABLE BOLLARD DETAIL

NOT TO SCALE

SEAL COAT TREATMENT

- PROVIDE A SEAL COAT TREATMENT TO THE EXISTING REMAINING PARKING LOT AS FOLLOWS:
 - SEALER SHALL BE RUBBERIZED COLD TAR PITCH SEALER. THE RUBBERIZATION SHALL TAKE PLACE PRIOR TO THE EMULSIFICATION OF THE FINISHED PRODUCT. THE OIL RESISTANT RUBBER SHALL BE BLENDED WITH THE HOT REFINED COAL-TAR BASE.
 - THE RUBBERIZED COAL-TAR SEALER SHALL BE PREPARED FROM A REFINED TAR, HIGH TEMPERATURE, COAL-TAR PITCH (RT-12 OR HARDER) MEETING OR EXCEEDING THE REQUIREMENTS OF FEDERAL SPECIFICATIONS RT-143. OIL AND WATER GAS TARS SHALL BE EXCLUDED. UNDER NO CIRCUMSTANCES WILL THERE BE ALLOWED THE ADDITION OF CARBON BLACK OR LAMP BLACK TO ENHANCE THE COLOR OF THE MATERIAL.
 - THE CONTRACTOR SHALL BE PREPARED TO SHOW THAT THE PRODUCT MEETS THE REQUIREMENTS OF FEDERAL SPECIFICATION RP-355E.
 - MINERAL AGGREGATE SHALL BE ADDED AT A RATE OF 3 TO 6 POUNDS / GALLON RATIOED TO THE UNDILUTED EMULSION. THE MINERAL AGGREGATE SHALL BE CLEAN, DRY, HARD, DURABLE, EVENLY GRADED SILICA SAND. THIS SAND WILL HAVE A SIEVE GRADATION RATING OF 50 TO 80. SAND GRADATIONS MAY VARY ACCORDING TO LOCAL AVAILABILITY AND FIELD CONDITIONS.
 - WATER USED FOR BLENDING THE SLURRY MIX SHALL BE POTABLE AND CAREFULLY MEASURED TO OBTAIN JOB SPECIFIC SLURRY MIXES. TOTAL AMOUNT OF WATER USED MAY VARY FROM 15 TO 25 GALLONS PER 100 GALLONS OF EMULSION DEPENDING ON JOB-SITE REQUIREMENTS.
 - THE SURFACE TO BE COATED MUST BE FREE OF OIL, GREASE, VEGETATION AND OTHER DELETERIOUS MATERIALS.
 - ALL VEGETATION SHALL BE REMOVED FROM SURFACES TO BE COATED.
 - OVERBAND CRACK FILL PER MDT SPECIFICATIONS PRIOR TO COATING.
 - PATCHING SHALL BE COMPLETED AT LEAST 15 DAYS PRIOR TO ACTUAL APPLICATION OF SEALCOAT SO THAT THE PATCHED AREAS WILL HAVE TIME TO CURE.
 - PETROLEUM STAINS OR OIL SPOTS SHALL BE CLEANED BY SCRAPING OR WIRE BRUSHING THE AREA AND OR LIGHTLY BURNING OFF THE AREA WITH A PROPANE TORCH TO REMOVE VOLATILES. THE AREA THUS PREPARED SHALL BE COATED WITH MULTI-PRIMER IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS. APPLY BY BRUSH OR SPRAY, ALLOW TO DRY THOROUGHLY BEFORE APPLYING COAL-TAR SEALER.
 - WHEN THE PREPARED SURFACE AND THE RUBBERIZED COAL-TAR PITCH EMULSION SLURRY SAND HAVE BEEN INSPECTED AND APPROVED, APPLY TWO COATS OF THE SEALER SAND SLURRY.
 - THE SEALER SAND SLURRY SHALL BE APPLIED AT A MINIMUM COVERAGE RATE OF 0.10 GALLON PER SQUARE YARD, PER COAT.
 - THE SEALER SAND SLURRY SHALL BE APPLIED ONLY UNDER GOOD DRYING CONDITIONS (AMBIENT AIR AND PAVEMENT TEMPERATURES OF 50°F AND RISING MUST BE PRESENT), A RELATIVE HUMIDITY OF 50% ACCOMPANIED BY A BREEZE AND 75°F TEMPERATURES WITH NO RAIN EMINENT COMPRISE IDEAL COATING CONDITIONS. THE APPLICATION OF THE SEALER SAND SLURRY UNDER CONDITIONS OTHER THAN THE ABOVE WILL BE DONE AT THE CONTRACTOR'S DISCRETION, AND IT IS THEIR RESPONSIBILITY TO INSURE THE SEALER SAND SLURRY HAS DRIED TO A RAIN-RESISTANT CONDITION BEFORE THE AMBIENT TEMPERATURE IS BELOW 50°F OR THE OCCURRENCE OF ANY PRECIPITATION.
 - THE FIRST COAT OF THE SEALER SAND SLURRY SHALL BE THOROUGHLY DRY AND TACK-FREE PRIOR TO THE APPLICATION OF THE SECOND COAT. THE SECOND COAT SHALL BE APPLIED IMMEDIATELY AFTER THE FIRST WITH NO TRAFFIC OR CONTAMINATION OF THE FIRST COAT BEING ALLOWED. THE SECOND COAT SHALL BE ALLOWED TO DRY AND CURE FOR A MINIMUM OF 24 HOURS UNDER GOOD DRYING CONDITIONS BEFORE BEING RETURNED TO TRAFFIC.
 - THE MIXING/APPLICATOR MACHINE SHALL BE A SELF-PROPELLED PNEUMATIC TIRE VEHICLE CAPABLE OF APPLYING SEALER SAND SLURRY AS REQUIRED BY THIS SPECIFICATION. THE AGITATION SYSTEM SHALL BE SUCH THAT THE COMBINED SLURRY MIXTURE SHALL REMAIN IN CONSTANT AGITATION WITHOUT THE POSSIBILITY OF FOAMING OR ENTRAINING ANY AIR. THE SPRAY APPLICATION DEVICE SHALL BE CAPABLE OF PROVIDING A SMOOTH, ADHERENT, UNIFORMLY COATED SURFACE. UNDER NO CIRCUMSTANCE SHALL A BROOM APPLICATION BE ALLOWED. THERE SHALL BE EASY ACCESS TO THE MIXING VESSEL AT ALL TIMES TO ALLOW FOR ACCURATE MEASUREMENT OF EMULSION, AGGREGATE, AND WATER, IF NECESSARY, INTO THE VESSEL.
 - WHERE PAVEMENT MARKING IS REQUIRED, THE SEAL COAT SHOULD BE THOROUGHLY CURED.

NOTES

- CONCRETE NOTES**
- ALL CONCRETE SHALL BE 4500 PSI CONCRETE MIX UNLESS OTHERWISE NOTED.
 - ALL POLY FIBER REINFORCED CONCRETE SHALL HAVE A MIX RATIO OF 1.5 LBS OF POLY FIBER PER 1.0 CYD OF CONCRETE.
- CONCRETE JOINTS**
- THE CONTRACTOR MUST PREPARE A JOINTING PLAN AND SUBMIT TO ENGINEER AS A SHOP DRAWING FOR APPROVAL PRIOR TO PLACEMENT OF CONCRETE.
 - BEGIN SAW CUTS AFTER THE CONCRETE HAS HARDENED ENOUGH TO PERMIT SAWING WITH OUT RAVELING OR DISPLACING AGGREGATES.
 - IF CRACKS DEVELOP AHEAD OF THE SAWCUT, STOP SAWING THAT JOINT. ONCE THE CONCRETE HAS SUITABLY CURED USE CRACK SAWS TO FORM JOINT SEALANT RESERVOIRS ALONG THE CRACK LINE.
 - JOINT SPACING:
 - MAXIMUM SLAB SIZE = 2 X SLAB THICKNESS (INCHES TO FEET), I.E.: 2 X 6 INCHES = 12 FEET - 15 FEET IS ABSOLUTE MAX.
 - RECOMMENDED MAXIMUM JOINT SPACING (SMALLER IS BETTER)
 - 4" SLAB: 6 FEET
 - 6" SLAB: 10 FEET
 - 8" SLAB: 14 FEET
 - 9" SLAB: 15 FEET
 - CATCH BASIN AND MANHOLE CASTINGS REQUIRE A BOXOUT OR ISOLATION TO ALLOW FOR VERTICAL AND HORIZONTAL SLAB MOVEMENT.
 - SAWCUT JOINTS SHALL BE CONTINUOUS ACROSS THE SLAB AND SHALL MATCH LOCATION OF JOINTS ON ABUTTING CONCRETE SLABS.
 - CONTRACTOR SHALL PROVIDE ISOLATION/EXPANSION JOINTS BETWEEN SLABS OR AT STRUCTURES.
 - THE CONTRACTOR SHALL PROVIDE CONSTRUCTION JOINTS AT EDGE OF POURS OR FORM LINES.
 - THE CONTRACTOR SHALL PROVIDE CONTRACTION JOINTS (SAW CUTS OR TOOLED) EQUALLY SPACED AS IDENTIFIED IN NOTE 4 THIS SHEET.

SITE PLAN NOTES

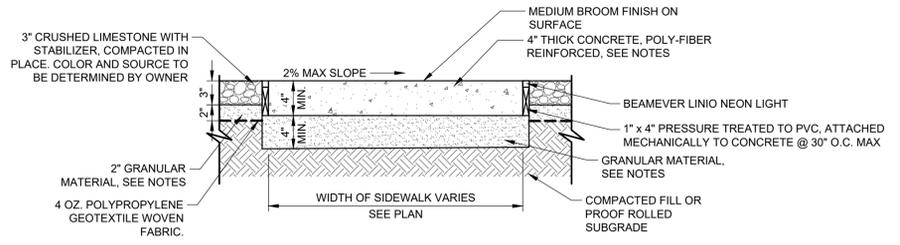
- ALL WORK AND MATERIALS SHALL COMPLY WITH ALL AGENCIES HAVE JURISDICTIONAL AUTHORITY'S REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
- ALL DIMENSIONS AND RADI ARE TO THE FACE OF CURB OR FACE OF THICKENED EDGE SIDEWALK UNLESS OTHERWISE NOTED ON THE PLANS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REMOVAL AND DISPOSAL OF DEMOLISHED ITEMS, (UNLESS OTHERWISE NOTED ON PLANS) INCLUDING BUT NOT LIMITED TO, CURBING, PAVEMENT, CONCRETE, STORM DRAINAGE STRUCTURES AND PIPING, LIGHT POLES AND BASES, VEGETATION AND TREES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITY'S REQUIREMENTS AND PROJECT SITE WORK SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN THE BASE BID.
- PROVIDE ISOLATION JOINTS WHERE CONCRETE ABUTS EXISTING CONCRETE.
- ALL PARKING LOT STRIPING SHALL BE IN ACCORDANCE WITH THE "MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES". ALL STRIPING SHALL BE WATERBORNE PER MDT SPECIFICATIONS AND ALL STRIPING SHALL BE 4" TRAFFIC YELLOW UNLESS OTHERWISE NOTED. ALL DIAGONAL STRIPING SHALL BE WHITE OR BLUE AT 2 FT ON CENTER, ON A 45° ANGLE UNLESS OTHERWISE NOTED. CONTRACTOR SHALL APPLY 2 COATS OF PAVEMENT MARKINGS, 1 MONTH APART.
- ALL BARRIER FREE PARKING, SIGNAGE & STRIPING SHALL BE IN ACCORDANCE WITH MICHIGAN BARRIER FREE STANDARDS. DETECTABLE WARNING SURFACE SHALL BE INSTALLED AS REQ'D BY MICHIGAN BARRIER FREE STANDARDS AT ALL RAMP AND OTHER LOCATIONS AS PROVIDED IN MICHIGAN BARRIER FREE STANDARDS. STRIPING SHALL BE WATERBORNE PAVEMENT MARKING PER MDT SPECIFICATIONS, COLOR BLUE UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR SHALL INSTALL ADA DETECTABLE WARNING SURFACES IN ACCORDANCE WITH ADA STANDARDS AT LOCATIONS SHOWN ON THE SITE PLAN. THE TYPE, MATERIAL AND COLOR SHALL BE APPROVED BY THE OWNER AND/OR ARCHITECT OR AHJ PRIOR TO INSTALLATION.
- PLACEMENT OF SLEEVES FOR ANY ELECTRIC SYSTEM SHALL BE COORDINATED WITH OWNER/ARCHITECT PRIOR TO BEGINNING CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR PROPER TRAFFIC CONTROL DURING CONSTRUCTION IN ACCORDANCE WITH THE "MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES".
- SITE CONTRACTOR SHALL REFER TO LIGHTING PLANS FOR LIGHTING LOCATIONS AND FOUNDATIONS. SITE CONTRACTOR SHALL COORDINATE LOCATIONS OF ALL SITE LIGHTING AND CIRCUITRY PRIOR TO PLACING UTILITIES AND INSTALLING PAVEMENT.
- ALL WORK WITHIN THE MDT RIGHT OF WAY SHALL BE IN ACCORDANCE WITH MDT DETAILS AND STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- THERE WILL BE NO HAZARDOUS CHEMICALS BROUGHT ON OR STORED ON-SITE.
- THERE WILL BE NO SMOKING ON THE PROPERTY AT ANYTIME.

CONCRETE CURBING

- WHERE THE DRAINAGE FLOWS AWAY FROM THE CURB AND GUTTER THE CONTRACTOR MODIFY THE CURB AND GUTTER DETAIL TO SLOPE AWAY FROM THE CURB FACE @ 1" PER FOOT.
- THE CONTRACTOR SHALL NOT GRADE SITE SO THAT STORM WATER FLOWS TOWARDS OR AGAINST STRAIGHT CURB OR THICKENED EDGE SIDEWALK.
- ALL REBAR FOR CONCRETE CURB AND GUTTER SHALL BE # 4 EPOXY COATED.
- PLACE 1" FIBER JOINT FILLER AT 40' MAXIMUM INTERVALS.
- PLACE 1" FIBER JOINT FILLER AT SPRING POINTS OF CURB RETURNS (AND INTERSECTION STREETS).
- PLACE 1" FIBER JOINT FILLER IN ADJACENT CONTRACTION JOINTS EACH SIDE OF CATCH BASINS.
- PLACE CONTRACTION JOINTS AT 40' MAXIMUM INTERVALS (NO SAW CUT JOINTS ALLOWED).

MATERIALS

- GRANULAR MATERIAL - MDT CLASS II SAND
- OPEN GRADED AGGREGATE - MDT 6A OR AASHTO #57
- DENSE GRADED AGGREGATE - MDT 21AA CRUSHED LIMESTONE
 - CONTRACTOR CAN USE CRUSHED CONCRETE/ASPHALT MEETING MDT 21AA SPECIFICATIONS AS AGGREGATE BASE MATERIAL. CONTRACTOR SHALL INCREASE BASE THICKNESS BY 25%.



4\"/>

NOT TO SCALE

PROJECT MANAGER: GUY WORKINGWAGE, TRIM, INC. WORKSPACE: TRIM, INC. WORKSPACE: TRIM, INC. PLOTTED: 2020/08/15 10:57 AM BY: BROWN, MEDINA

REV#	DATE	DESCRIPTION	BY



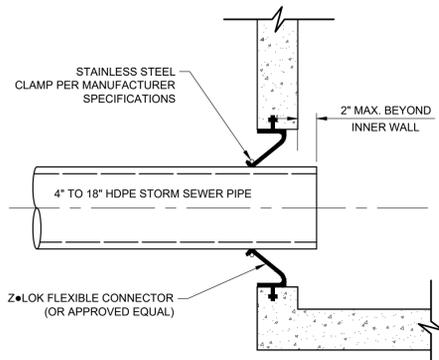
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BAY CITY, MI 48708

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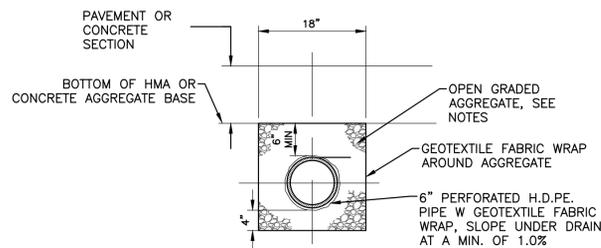
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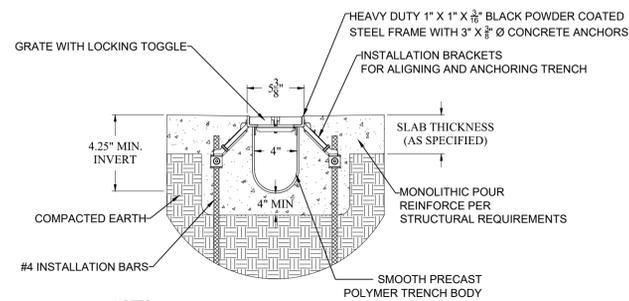


NOTE: THIS DETAIL APPLIES FOR 4" TO 18" I.D. HDPE STORM SEWER CONNECTIONS TO CONCRETE MANHOLES.

HDPE PIPE TO MANHOLE CONNECTOR DETAIL
NOT TO SCALE

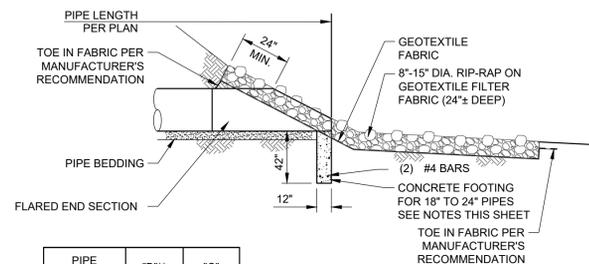


UNDERDRAIN DETAIL
NOT TO SCALE



NOTES:
1. STANDARD SLOPE IS 0.5% UNLESS OTHERWISE SPECIFIED
2. REINFORCE ACCORDING TO STRUCTURAL REQUIREMENTS
3. TRENCH DRAIN MUST BE 1/8" BELOW FINISHED CONCRETE GRADE

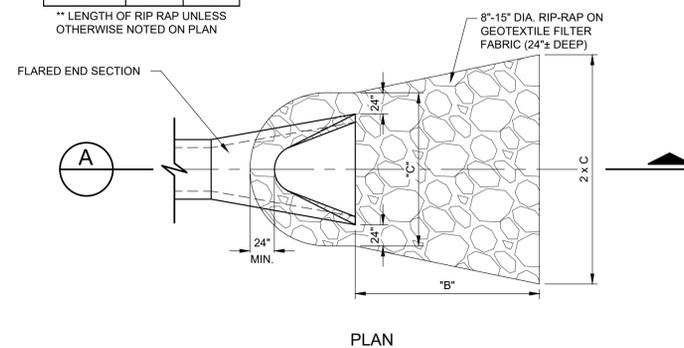
TYPICAL DTRPF4-HDBPR08TSA (RADIUS) TRENCH SECTION



PIPE DIAMETER	"B"	"C"
12"	5'-0"	6'-6"
15"	5'-6"	7'-0"
18"	6'-0"	7'-6"
21"	6'-6"	8'-0"
24"	8'-0"	8'-6"

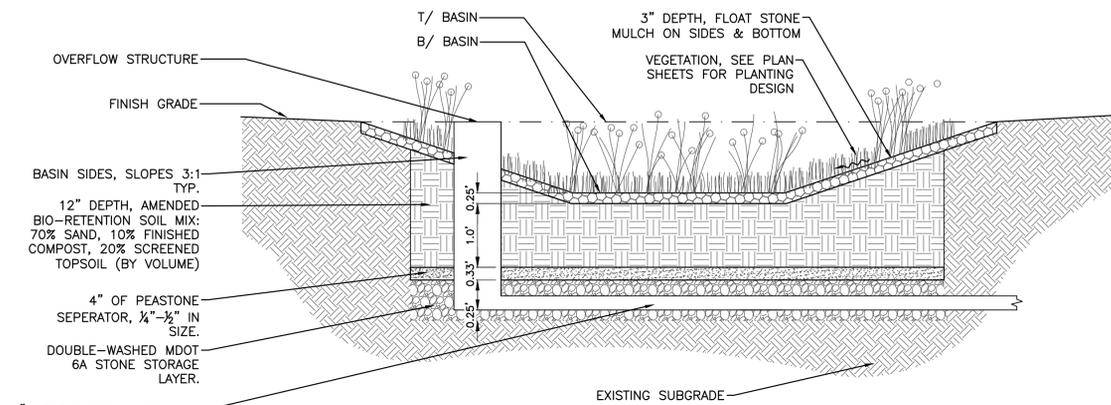
** LENGTH OF RIP RAP UNLESS OTHERWISE NOTED ON PLAN

SECTION A

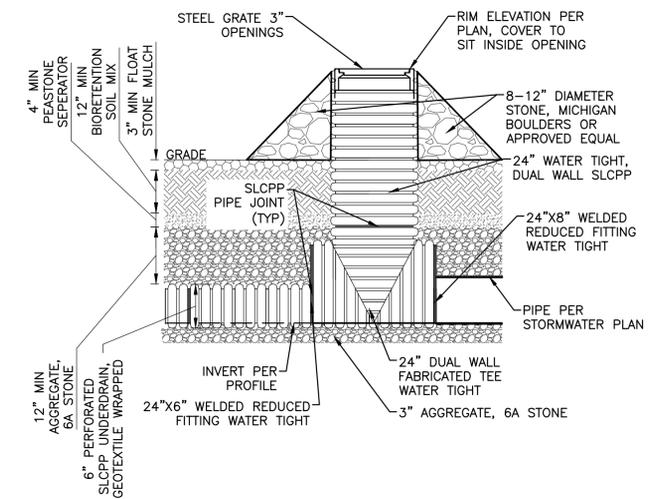


PLAN

END SECTION & RIPRAP DETAIL
NOT TO SCALE



BIORETENTION BASIN DETAIL
NOT TO SCALE



24" OVERFLOW STRUCTURE DETAIL
NO SCALE

STORM SEWER NOTES

- ALL STORM SEWER CONSTRUCTION SHALL CONFORM TO THE CURRENT STANDARDS AND GENERAL SPECIFICATION OF THE AGENCY OR AGENCIES HAVING JURISDICTION OF THE STORM SEWER AND CONSTRUCTION AREA.
- DETAILS ARE FOR STRUCTURES WITH NO MORE THAN TWO PIPES, 180' APART. LARGER DIAMETER STRUCTURES MAY BE REQUIRED FOR DIFFERENT CONFIGURATIONS.
- ALL STRUCTURES REQUIRE A MINIMUM OF 8-INCHES OF WALL BETWEEN PIPE OPENINGS. LARGER DIAMETER STRUCTURES MAY BE REQUIRED WHERE PIPE ENTERING THE STRUCTURE ARE LESS THAN 90° APART IN ANY DIRECTION.
- ALL CASTING RIMS SHALL BE SET TO GRADE OR AS SHOWN ON THE PLANS.
- MANHOLE STEPS SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE DETAILS AND SHALL BE:
 - CAST IRON CONFORMING TO ASTM A48, CLASS 30 GRAY IRON WITH A MIN. CROSS SECTION DIMENSION OF 1-INCH IN ANY DIRECTION.
 - STEEL REINFORCED POLYPROPYLENE ASTM 4101, PP0344B33534202 WITH 1/2-INCH MIN. DIAMETER DEFORMED REINFORCING BAR CONFORMING TO ASTM A615, GRADE 60.
- MANHOLE AND CATCH BASINS FRAME AND COVER/GRATE SHALL BE CONFORM TO ASTM A48, CLASS 30, GRAY IRON AND BE AS FOLLOWS (**):
 - MANHOLES: EJ #1040 WITH A SOLID COVER (OR APPROVED EQUAL).
 - CATCH BASINS:
 - LAWN AREA: EJ #1060 WITH TYPE 01 4" TALL BEHVE GRATE (OR APPROVED EQUAL).
 - PAVEMENT (ROUND): EJ #1040 WITH A TYPE M1 GRATE "DUMP NO WASTE" (OR APPROVED EQUAL).
 - PAVEMENT (SQUARE): EJ #5724 FRAME AND GRATE (OR APPROVED EQUAL).
- CURB:
 - 18" STANDARD CURB: EJ #7045Z W/ 7040 M1 GRATE & EJ #7050 T-1 BACK OR APPROVED EQUAL
 - 24" STANDARD CURB: EJ #7045Z W/ 7045 M1 GRATE EJ #7050 T-1 BACK OR APPROVED EQUAL
- ROLL CURB: EJ #7085 W/ M1 GRATE OR APPROVED EQUAL
- MOUNTABLE CURB: EJ #7250 OR APPROVED EQUAL
- WEDGE CURB & GUTTER: EJ #7300 W/ M GRATE OR APPROVED EQUAL
- DRIVEWAY GUTTER: EJ #7065 W/ 7045 M1 GRATE OR APPROVED EQUAL
- VALLEY GUTTER: EJ# #4410 OR APPROVED EQUAL

**LOCAL APPROVING AGENCIES CASTINGS SHALL SUPERSEDE THE LIST PROVIDED HERE.

 - ALL MANHOLE/CATCH BASIN CONNECTIONS SHALL BE PER THE DETAILS INCLUDED IN THIS SET.
 - ALL MANHOLES WITH 36" DIAMETER PIPE CONNECTIONS SHALL HAVE CONCRETE FLOW CHANNEL.
 - DIFFERENTIAL OF EXCAVATION AROUND EXISTING MANHOLES SHALL NOT EXCEED SIX FEET.
 - PLACE GRANULAR MATERIAL BACKFILL WITHIN THREE FEET OF ALL STRUCTURES. ALL BACK FILL SHALL BE COMPACTED IN MAX. 12" LIFTS COMPACTED TO A MINIMUM 95% OF THE MAXIMUM DRY DENSITY DETERMINED BY MODIFIED PROCTOR TEST.
 - ALL STORM SEWER PIPE SHALL HAVE BEDDING PER THE DETAIL ON THIS SHEET UNLESS OTHERWISE NOTED ON THE PLANS.
 - ALL PRECAST PRODUCTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C-478.
 - ALL JOINTS FOR PRECAST CONCRETE MANHOLE SECTIONS SHALL BE THE SAME AS RCP PIPE.
 - ALL DRAINAGE PIPE SHALL BE AS NOTED ON PLANS.
 - ALL REINFORCED CONCRETE PIPE (RCP) SHALL CONFORM TO ASTM C76 CLASS IV, CIRCULAR REINFORCED.
 - ALL HIGH DENSITY POLYETHYLENE PIPE (HDPE) SHALL BE SMOOTH LINED CORRUGATED POLYETHYLENE PIPE MEETING AASHTO M252, TYPE S FOR SIZES 4" TO 10" DIAMETER AND AASHTO M294, TYPE S FOR 12" TO 48" DIAMETER.
 - ALL CORRUGATED PLASTIC EDGE DRAINS / UNDERDRAINS (CPP) SHALL MEET THE REQUIREMENTS OF AASHTO M252 FOR POLYETHYLENE TUBING. ALL UNDERDRAINS SHALL BE WRAPPED IN A GEOTEXTILE WRAP. ALL CORRUGATED METAL PIPE (CMP) SHALL CONFORM TO AASHTO M36.
 - ALL POLYVINYL CHLORIDE SOLID WALL PIPE (PVC) SHALL IN SIZES SHALL BE SDR 35.
 - ALL PIPE JOINTS SHALL BE:
 - RCP: ALL JOINTS SHALL BE PREMIUM JOINTS. PREMIUM JOINTS FOR CIRCULAR PIPE SHALL CONFORM TO ASTM C443 LIMITED AS FOLLOWS: SECTION 5.1 OF C443, "PHYSICAL REQUIREMENTS FOR GASKETS," SHALL BE REPLACED WITH SECTION 6.9 OF C361, "RUBBER GASKETS." ALSO, SECTION 5 OF C443 SHALL BE LIMITED TO A MODIFIED GROOVED TONGUE TO RECEIVE A RUBBER GASKET.
 - HDPE: JOINTS SHALL BE BELL & SPIGOT TYPE WITH RUBBER GASKETS ON BOTH SIDES OF THE JOINT CONFORMING TO AND ASTM F477. SPLIT COLLAR COUPLERS ARE NOT ALLOWED. JOINTS SHALL BE WATERTIGHT MEETING THE PERFORMANCE REQUIREMENTS OF ASTM D3212.
 - CMP: JOINTS FOR CORRUGATED METAL PIPE SHALL BE MADE BY USE OF COUPLING BANDS. COUPLING BANDS SHALL BE OF THE SAME MATERIAL AS SPECIFIED FOR THE PIPE AND SHALL PREVENT INFILTRATION OF THE SIDE FILL MATERIAL. COUPLING BANDS SHALL BE CORRUGATED TO MATCH THE CORRUGATIONS OF THE PIPE TO BE JOINED, AND SHALL INCLUDE TWO (2) "O" RING NEOPRENE GASKETS FOR EACH JOINT. DIMPLE BANDS SHALL NOT BE USED. JOINTS SHALL BE WRAPPED WITH A 3 FOOT (1 M) WIDE GEOTEXTILE FILTER FABRIC CENTERED ON THE JOINT.
 - PVC: JOINTS SHALL BE ASTM D3212, PUSH-ON TYPE. A JOINT IN WHICH AN ELASTOMERIC RING GASKET IS COMPRESSED IN THE ANNULAR SPACE BETWEEN A BELL END OR SOCKET AND A SPIGOT END OF PIPE.
 - THE CONTRACTOR SHALL EXPOSE THE EXISTING STORM SEWER AND STRUCTURES TO WHICH THE NEW WORK IS TO BE CONNECTED AND VERIFY THE EXACT VERTICAL AND HORIZONTAL LOCATIONS OF THE EXISTING SYSTEM. HE SHALL INFORM ENGINEER AS TO THE NECESSARY ADJUSTMENTS REQUIRED TO ALIGN THE NEW STORM SEWER WORK WITH THE EXISTING SYSTEM IF REQUIRED.
 - ALL CATCH BASIN STRUCTURES, SEE DETAIL THIS SHEET.
 - THE CONTRACTOR SHALL BE RESPONSIBLE TO CONNECT ALL BUILDING FOOTING DRAINS TO THE NEAREST DRAINAGE STRUCTURE, COORDINATE WITH ARCHITECTURAL PLANS.
 - TRENCH BACKFILL:
 - ALL PIPE THAT RUNS UNDER PAVEMENT, GRAVEL OR CONCRETE SURFACE AND WITHIN A 1 ON 1 INFLUENCE OF THE PAVEMENT, GRAVEL OR CONCRETE SURFACE TO RECEIVE 100% GRANULAR MATERIAL (SEE NOTE) COMPACTED TO A MINIMUM 95% OF THE MAXIMUM DRY DENSITY DETERMINED BY MODIFIED PROCTOR TEST.
 - ALL PIPE THAT RUNS OUTSIDE THE PAVED, GRAVEL OR CONCRETE SURFACE SHALL BE BACKFILLED IN MAX. 12" LIFTS WITH SUITABLE NATIVE MATERIAL COMPACTED TO A MINIMUM 95% OF THE MAXIMUM DRY DENSITY DETERMINED BY MODIFIED PROCTOR TEST.
 - MATERIALS:
 - GRANULAR MATERIAL - MDOT CLASS II SAND
 - OPEN GRADED AGGREGATE - MDOT 6A OR AASHTO #57
 - DENSE GRADED AGGREGATE - MDOT 22AA CRUSHED LIMESTONE



THE JEFFERSON PROJECT
1113 N JEFFERSON
BAY CITY, MI 48708

SITE DETAILS

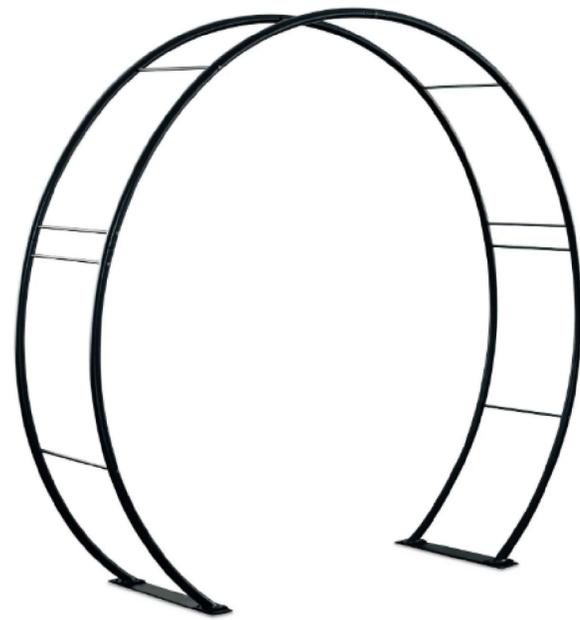
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- NOTE
1. SIZE: 108"H x 120"W
 2. HENDERSON GARDEN SUPPLY OR APPROVED EQUAL.
 3. INSTALL PER MANUFACTURER'S RECOMMENDATIONS

MOON GATE ARBOR
NO SCALE

THOMAS STEELE
THOMAS STEEL DIVISION
GRABER MANUFACTURING, INC.
1050 LINNIK DRIVE
WAUNAKEE, WI 53597
P(800) 448-7231, P(808) 849-1080, F(808) 849-1681
WWW.MADRAX.COM, E-MAIL: SALES@MADRAX.COM

WOOD OR RECYCLED PLASTIC PROFILES
FULLY WELDED STEEL TUBULAR FRAME
2 MOUNTING FEET

PRODUCT: MNTR-32-W(RP)
DESCRIPTION: MONONA RECEPTACLE
DATE: 8-27-19
ENG: BLW

STEEL FRAME CAN BE FINISHED WITH POWDER COAT PAINT OR HOT DIP GALVANIZE.
SITE FURNISHING IS POWDER COATED WITH TGIC POLYESTER STEEL SURFACE PREP INCLUDES MECHANICAL AND CHEMICAL ETCHING FOLLOWED WITH A COATING TO IMPROVE ADHESION AND CORROSION RESISTANCE.

- NOTE
1. COLOR TO BE SELECTED BY LANDSCAPE ARCHITECT
 2. FREESTANDING

THOMAS STEELE MONONA RECEPTACLE
NO SCALE

8.5" x 11" SIGN LAMINATED IN PLASTIC SPACED EVERY 50' ALONG THE FENCE

KEEP OUT TREE PROTECTION AREA

TREE PROTECTION FENCE: HIGH DENSITY POLYETHYLENE FENCING 3.5" x 1.5" OPENINGS. COLOR: ORANGE STEEL POSTS INSTALLED AT 8.0' O.C.

2" x 6" STEEL OR EQUAL SUPPORT POSTS EVERY 8'. INSTALL POSTS A MINIMUM OF 2" INTO THE GROUND

5" THICK LAYER OF MULCH

MAINTAIN EXISTING GRADE WITHIN THE TREE PROTECTION FENCE UNLESS OTHERWISE INDICATED ON PLANS

1.5 x CROWN DRIP LINE OR OTHER LIMIT OF TREE PROTECTION AREA. SEE TREE PRESERVATION PLAN FOR FENCE ALIGNMENT.

SECTION A

PLAN

PROTECTION FENCE TO BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD

- NOTES:
1. SEE SPECIFICATIONS FOR ADDITIONAL TREE PROTECTION REQUIREMENTS.
 2. IF THERE IS NO EXISTING IRRIGATION, SEE SPECIFICATIONS FOR WATERING REQUIREMENTS.
 3. NO PRUNING SHALL BE PERFORMED EXCEPT BY APPROVED ARBORIST.
 4. NO EQUIPMENT SHALL OPERATE INSIDE THE PROTECTIVE FENCING INCLUDING DURING FENCE INSTALLATION AND REMOVAL.

1. APPROVED TREE PROTECTION SHALL BE ERECTED PRIOR TO THE START OF CONSTRUCTION ACTIVITIES, AND SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE.
2. NO PERSON MAY CONDUCT ANY ACTIVITY WITHIN THE DRIP LINE OF ANY DESIGNATED TREE TO REMAIN, INCLUDING, BUT NOT LIMITED TO, PLACING SOLVENTS, BUILDING MATERIALS, CONSTRUCTION EQUIPMENT, OR SOIL DEPOSITS WITHIN THE DRIP LINE.
3. GRADE CHANGES MAY NOT OCCUR WITHIN THE DRIP LINE OF PROTECTED TREES.
4. DURING CONSTRUCTION, NO PERSON SHALL ATTACH ANY DEVICE OR WIRE TO ANY REMAINING TREE.
5. ALL UTILITY SERVICE REQUESTS MUST INCLUDE NOTIFICATION TO THE INSTALLER THAT PROTECTED TREES MUST BE AVOIDED. ALL TRENCHING SHALL OCCUR OUTSIDE OF THE PROTECTIVE FENCING.
6. SWALES SHALL BE ROUTED TO AVOID THE AREA WITHIN THE DRIP LINES OF PROTECTED TREES.
7. TREES LOCATED ON ADJACENT PROPERTIES THAT MAY BE AFFECTED BY CONSTRUCTION ACTIVITIES MUST BE PROTECTED.
8. ROOT ZONES OF PROTECTED TREES SHOULD BE WELL MARKED WITH BRIGHT COLORS AND SURROUNDED WITH RIGIDLY STAKED FENCING.
9. THE PARKING OF IDLE AND RUNNING EQUIPMENT SHALL BE PROHIBITED UNDER THE DRIP LINE OF PROTECTED TREES.
10. THE STRIPPING OF TOPSOIL FROM AROUND PROTECTED TREES SHALL BE PROHIBITED.
11. TREES TO BE REMOVED SHALL BE FELL AWAY FROM TREES TO BE SAVED.
12. GRUBBING OF UNDERSTORY VEGETATION IN CONSTRUCTION AREAS SHOULD BE CLEARED BY CUTTING VEGETATION AT GROUND LEVEL WITH A CHAIN SAW OR MINIMALLY WITH A HYDRO-AXE.
13. THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY IF ANY PROTECTED TREE IS DAMAGED OR REMOVED.

TREE PROTECTION FENCE
NOT TO SCALE

1"x6" TREATED FLAT TOP BOARD ON BOARD FENCE (SOUTH FACING SIDE)
5/8" CDX PLYWOOD (NORTH FACING SIDE)
WALL THEORY STACKED STONE, 1 1/2" THICKNESS
TREATED 6"x6" LINE POST, TYP.
TREATED 2"x4" CONT. FRAMING, TYP.
FINISH GRADE

SECTION THRU FENCE

PLAN

WALL THEORY FAUX STACKED STONE PANEL

NOTE
COLOR TO BE SELECTED BY LANDSCAPE ARCHITECT

BOARD ON BOARD FENCE WITH STONE VENEER
NOT TO SCALE

RESERVED PARKING
ONLY
VAN ACCESSIBLE

SIGN SHALL DEPICT DYNAMIC CHARACTER LEANING FORWARD IN WHEEL CHAIR

1'-0" x 1'-6" x 0.80" ALUMINUM BARRIER FREE PARKING SIGN, SIGN TO READ 'RESERVED PARKING' WITH IDENTIFICATION SYMBOL. BOLT TO STEEL TUBE WITH CADMIUM PLATED BOLTS, NUTS, AND WASHERS

WHERE REQUIRED INSTALL 1'-0" x 4" x 0.80" ALUMINUM SIGN TO READ 'VAN PARKING' BOLT TO STEEL TUBE WITH 3/8" CADMIUM BOLTS, NUTS, AND WASHERS.

2" x 2" x .188" GALVANIZED STEEL TUBE EXTEND INTO CONCRETE FILLED PIPE 2'-0". PROVIDE WELDED WATERTIGHT CAP AND PAINT P&L #6118 BLACK COFFEE

SURFACE PREP., PRIME AND PAINT GALVANIZED STEEL PIPE BASE BLUE

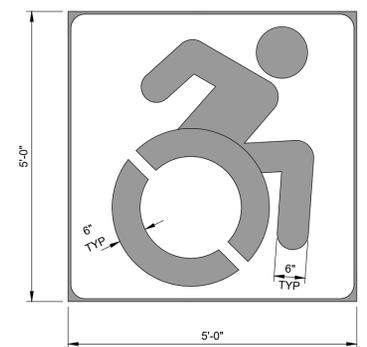
SLOPE CONCRETE BASE AT 1/2" PER FOOT AWAY
PATCH ASPHALT AS REQ'D AFTER INSTALLATION OF CONCRETE BASE
EXISTING ASPHALT GRADE

8" DIAMETER GALVANIZED STANDARD STEEL PIPE (SCH. 40) FILLED WITH CONCRETE
#6 - 14" LONG BARS EACH WAY THROUGH PIPE

1'-6" CONCRETE BASE, SEE NOTES

ALL SIGNS SHALL COMPLY WITH U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATIONS' MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES', LOCAL CODES AND AS SPECIFIED. MOUNT SIGNS TO POST IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

BARRIER FREE SIGN DETAIL
NOT TO SCALE



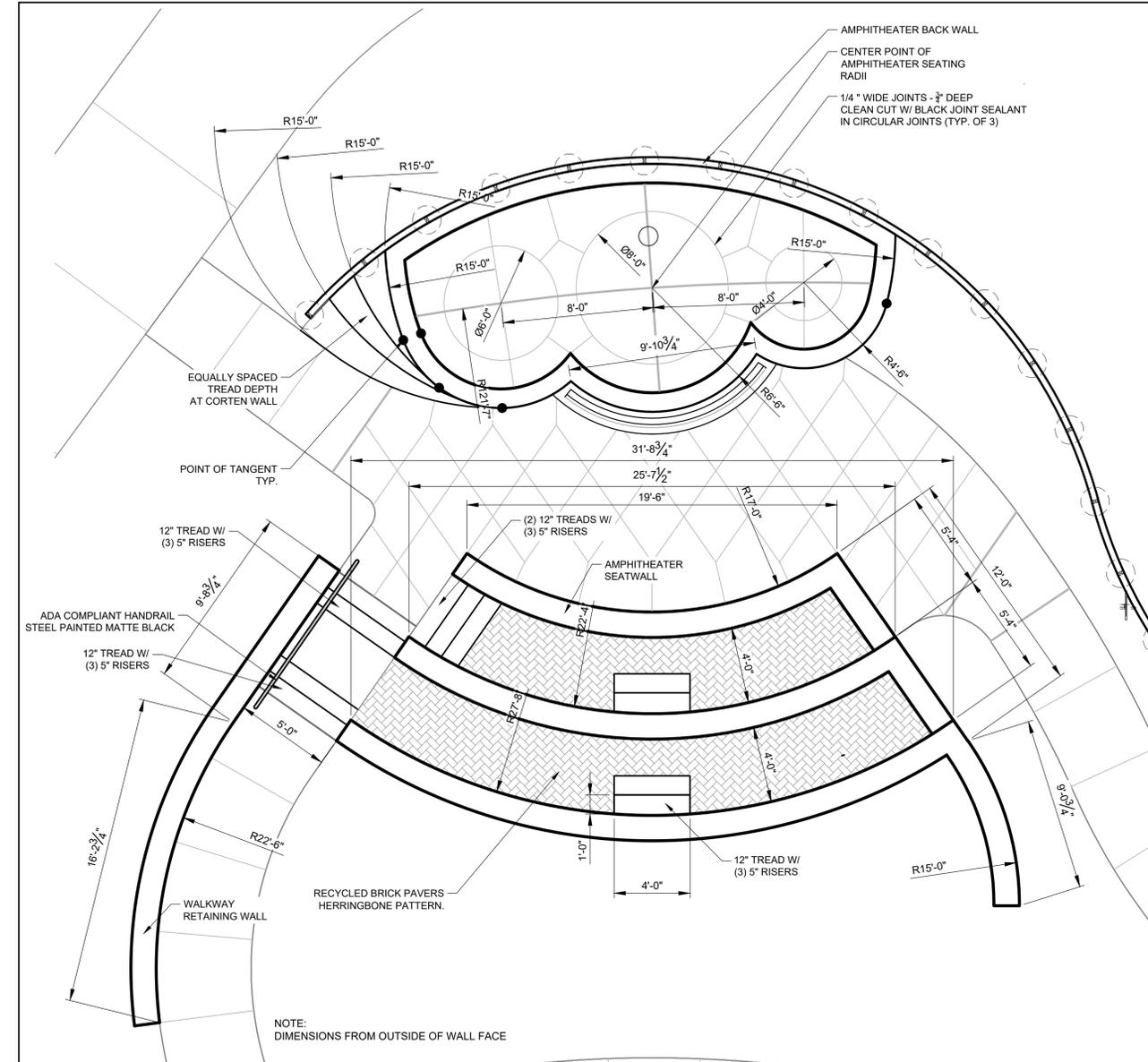
- NOTES:
1. SYMBOL SHALL DEPICT A DYNAMIC CHARACTER LEANING FORWARD WITH A SENSE OF MOVEMENT.
 2. PROVIDE CONTRASTING BACKGROUND WITH EITHER A WHITE SYMBOL ON BLUE BACKGROUND OR A BLUE SYMBOL ON A WHITE BACKGROUND.
 3. SYMBOL SHALL BE SUBSTANTIALLY EQUIVALENT TO THE INTERNATIONAL SYMBOL OF ACCESS.
 4. SYMBOL SHALL BE SIMPLE AND AVOID ANY SECONDARY MEANING.
- BARRIER FREE SYMBOL DETAIL**
NOT TO SCALE

REV#	DATE	DESCRIPTION	BY

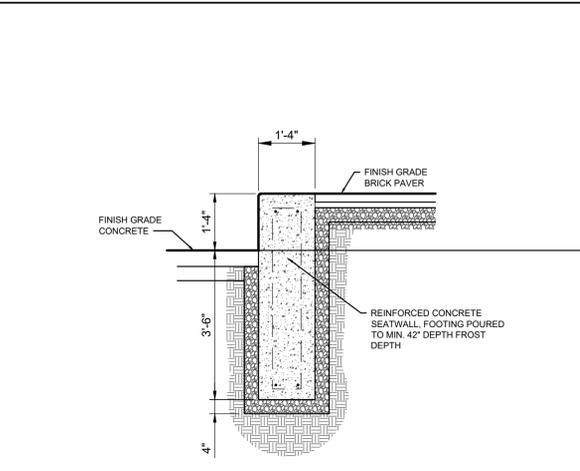


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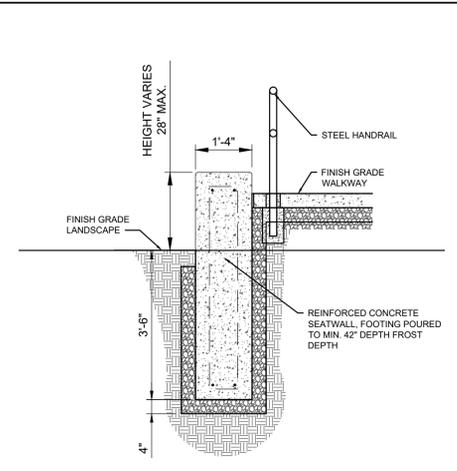
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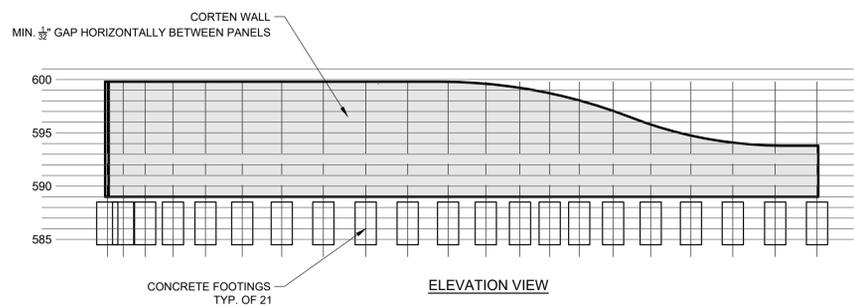
AMPHITHEATER STAGE AND SEATING ENLARGED PLAN
SCALE: 1/4" = 1'-0"



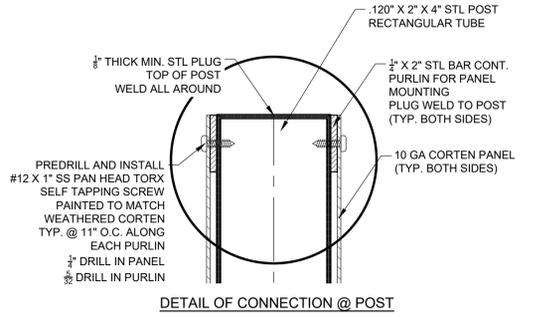
AMPHITHEATER SEATWALL
SCALE: 1/2" = 1'-0"



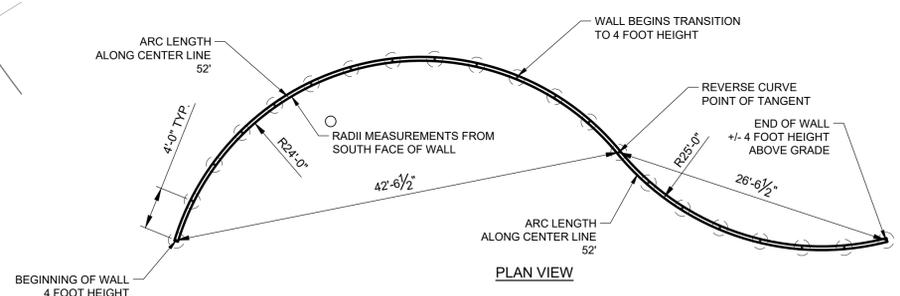
WALKWAY RETAINING WALL



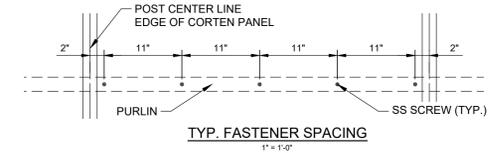
ELEVATION VIEW



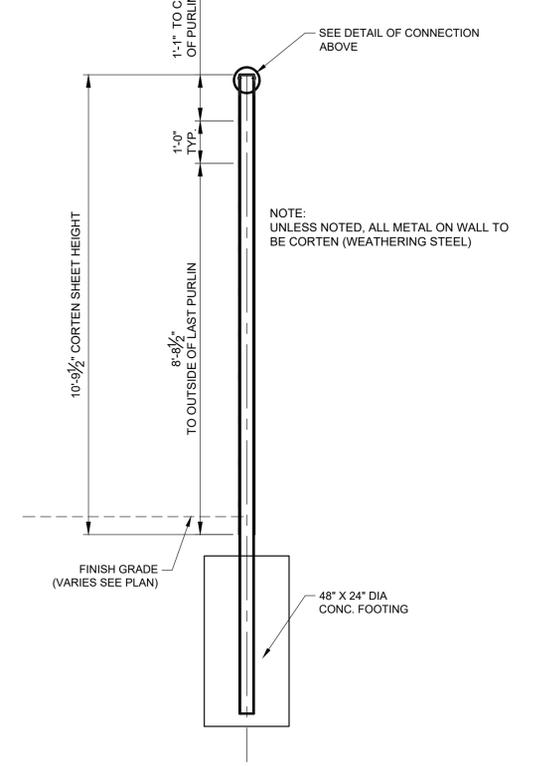
DETAIL OF CONNECTION @ POST



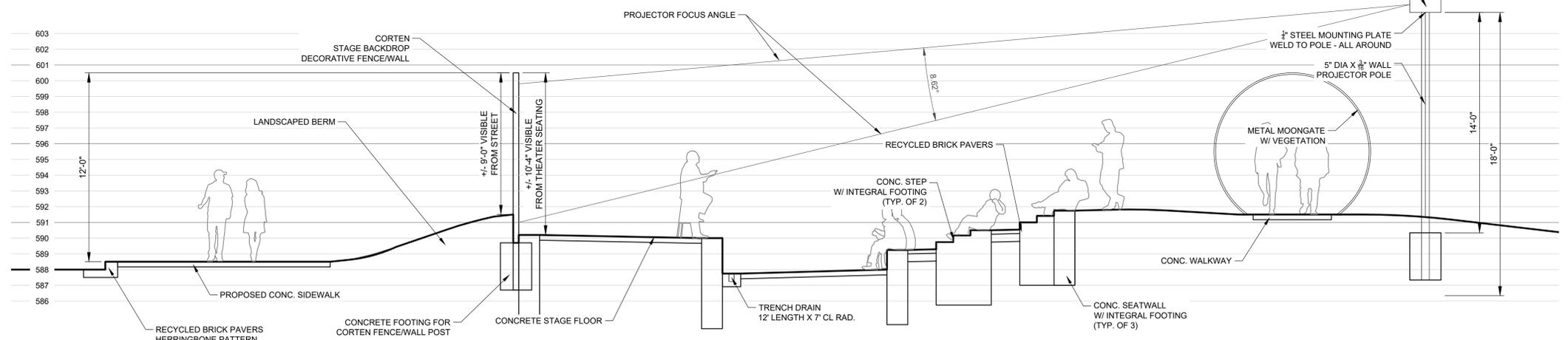
AMPHITHEATER STAGE BACK WALL
SCALE: 3/4" = 1'-0"



TYP. FASTENER SPACING
1" = 1'-0"



AMPHITHEATER STAGE BACK WALL DETAIL
SCALE: 3/4" = 1'-0"



AMPHITHEATER CENTERLINE SCHEMATIC SECTION
SCALE: 1/4" = 1'-0"

REV#	DATE	DESCRIPTION	BY



THE JEFFERSON PROJECT
1113 N JEFFERSON
BAY CITY, MI 48708

CONSTRUCTION DETAILS (6 OF 7)

ISSUED FOR:	DATE:	BY:
BID	02/20/2026	SAL
JOB NO.	TJP2001.02M	
SHEET	C-8.5	

PROJECT MANAGER: GWY WORKSPACE, TRIM, INNOVATION, PARK DRIVE, FLOTTED 202008, 158 PALM BLVD, BROWNS MEADOW

© Wade Trim Group, Inc.

PKWD43 Windsor LED Light Pole Kit with Lantern Fixture 4 Inch Diameter Light Pole - Direct Burial

Energy Light, Inc.

Job #: _____ State: _____ Client Name: _____
Notes: _____ Date: _____

LIGHT POLE
Pole Shaft: 4 inch round straight aluminum with 0.125" wall thickness. Seamlessly extruded from 6063-T6 alloy.
Pole Height: Standard above grade pole height is 16 ft. Optional heights are 14, 12, 10 and 8 ft. Custom heights are also available.
Handhole: 2-1/2" X 4" size handhole is located at 18 inches from the base. An aluminum handhole cover with 2 screws is provided. A ground lug with set screw is located near the handhole opening for proper grounding of the pole.
Decorative Base: One piece, slipover type cast aluminum material. Attached to the pole with 3 set screws.
 Weight: 15 lbs
Color: Black powder coat.
Embedment: 4 ft. of embedment. A 1-3/4" X 5 3/4" size slotted opening is provided 18 inches from the ground line for conduit entry.
Color: Black powder coat.
Maximum Wind Rating: 100 mph wind zone with 1.3 gust factor.
Warranty: 5 Years.
Foundation Design: Foundation should be designed by an engineer familiar with local soil and wind conditions as well as local code where the pole(s) will be installed.

LANTERN FIXTURE
LED Lantern Light Fixture: Cast aluminum frame features 6 frosted tempered glass lenses. All LED power options include mogul socket.
 Wet location rated.
 3 stainless steel screws are provided for attachment to pole.
 Weight: 12 lbs

LED Power (Watt)	Lumens	Lumens Per Watt	Voltage (Volt)
27	4,185	155	120-277
36	5,580	155	120-277
45	6,975	155	120-277
63	9,765	155	120-277
80	12,400	155	120-277
100	15,500	155	120-277

Decorative Base: $\phi 4.66" \text{ OD}$, $\phi 4.21" \text{ ID}$, 33.1" height, $\phi 9.3"$ base diameter, 3.9" base thickness.

Light Pole: 17" top diameter, 30" lantern height, 4" embedment, 18" conduit entry offset.

Disclaimer: All dimensions and specifications are subject to change without any notice. Energy Light, Inc. is not responsible for any claims arising from improper loading (what is attached to the light pole), improper use, incorrect foundation design and/or installation.

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LIGHTMART WINDSOR POLE KIT WITH LANTERN FIXTURE
NOT TO SCALE

ACCENT 120V 5012

WAC LANDSCAPE LIGHTING

Fixture Type: _____
 Catalog Number: _____
 Project: _____
 Location: _____

PRODUCT DESCRIPTION
 Landscape accent luminaire. Simple to retrofit existing line voltage systems or coordinate well with a new commercial landscape installation.

FEATURES

- Adjustable and lockable beam angle
- Integral dimmer
- IP66 rated, Protected against high-pressure water jets
- Includes a detachable shroud
- Solid diecast brass or corrosion resistant aluminum
- Factory sealed water tight fixtures
- Detachable shroud, 6' lead wire and wire nuts included
- Maintains constant lumen output against voltage drop
- UL 1598 Listed
- Not suitable to use with external dimmers
- Integrated LED

ORDERING NUMBER

Color Temp	Finish
30 3000K	BK Black on Aluminum
	BZ Bronze on Aluminum
	BBR Bronze on Brass

5012-30
 Example: 5012-30BBR

wacighting.com Headquarters, East Manufacturing Facility South East Manufacturing Facility Central Manufacturing Facility West Manufacturing Facility
 Phone (800) 526-2588 44 Harbor Park Drive 1600 Distribution Ct 1700 South J Elmer Freeway, Ste 100 1750 S Archibald Ave
 Fax (800) 526-2585 Port Washington, NY 11050 Lithia Springs, GA 30122 Cedar Hill, TX 75104 Ontario, CA 91761

WAC Lighting retains the right to modify the design of our products at any time as part of the company's continuous improvement program. JAN 2023

WAC LIGHTING SCULPTURE ACCENT LIGHT
NOT TO SCALE

UVR-70312 Veranda 6 Medium 180° Light Distribution

LIGMAN LIGHTING USA

180° Light

Construction
Aluminum: Less than 0.1% copper content - Marine Grade 6060 extruded & LM6 Aluminum High Pressure die casting provides excellent mechanical strength, clean detailed product lines and excellent heat dissipation.
Pre-paint: 8 step degrease and phosphate process that includes deoxidizing and etching as well as a zinc and nickel phosphate process before product painting.
Memory Retentive - Silicon Gasket: Provided with special injection molded "fit for purpose" long life high temperature memory retentive silicon gaskets. Maintains the gaskets exact profile and seal over years of use and compression.
Thermal management: LM6 Aluminum is used for its excellent mechanical strength and thermal dissipation properties in low and high ambient temperatures. The superior thermal heat sink design by Ligman used in conjunction with the driver, controls thermal below critical temperature range to ensure maximum luminous flux output, as well as providing long LED service life and ensuring less than 10% lumen depreciation at 50,000 hours.
Surge Suppression: Standard 10kV surge suppressor provided with all fixtures.
UL Rating: Contact Factory
Finishing: All Ligman products go through an extensive finishing process that includes testing to improve paint adhesion.
Paint: UV Stabilized 4MIL thick powder coat paint and baked at 200 Deg C. This process ensures that Ligman products can withstand harsh environments. Rated for use in natatoriums.
Inspired by Nature Finishes: The inspired by nature Finishing is a unique system of decorative powder coating. Our metal decoration process can easily transform the appearance of metal or aluminum product into a wood grain finish.
 This patented technology enables the simulation of wood grain, and even marble or granite finish through the use of decorative powder coating.
 The wood grain finish is so realistic that its almost undistinguishable from real wood, even from a close visual inspection. The system of coating permeates the entire thickness of the coat and as a result, the coating cannot be removed by normal rubbing, chipping, or scratching.
The Coating Process: After pre-treatment the prepared parts are powder coated with a specially formulated polyurethane powder. This powder provides protection against wear, abrasion, impact and corrosion and acts as the relief base color for the finalized metal decoration.
 This printed film transfer is vacuum-sealed to the surface for a complete thermo print and then transferred into a customized oven. The oven transforms the ink into different forms within the paint layer before it becomes solid. Finally, the film is removed, and a vivid timber look on aluminum remains.
 Wood grain coating can create beautiful wood looking products of any sort. There are over 300 combinations of designs currently in use. Wood grains can be made with different colors, designs, etc.
 Our powder coatings are certified for indoor and outdoor applications and are backed by a comprehensive warranty. These coatings rise to the highest conceivable standard of performance excellence and design innovation.
Added Benefits:
 • Resistance to salt-acid rain, accelerated aging
 • Boiling water, lime and condensed water resistant
 • Anti-Graffiti, Anti-Slip, Anti-Microbial, Anti-Scratch
 • Super durable (UV resistant)
 • TSCA free from toxic
Hardware: Provided Hardware is Marine grade 316 Stainless steel.
High Impact, UV Stabilized Polycarbonate Lens: Manufactured with Ultra High Impact, UV Stabilized Injection Molded Polycarbonate.
Anti Seize Screw Holes: Tapped holes are infused with a special anti seize compound designed to prevent seizure of threaded connections, due to electrolysis from heat, corrosive atmospheres and moisture.
Optics & LED: Precise optic design provides exceptional light control and precise distribution of light. LED CRI > 80
Lumen - Maintenance Life: L80 @10 at 50,000 hours (This means that at least 90% of the LED still achieve 80% of their original flux)

Mounting Detail: 8" x 8" x 8" mounting plate, 3.5" x 0.82" hole, 9.1" x 5.5" hole, 7.3" hole.

Compact stout public realm way-finding. 360°, 180° or double-sided wayfinding options ensures guidance provision and strong pleasingly anonymous footprint.

The innovative optical technology of the Veranda pillar light guarantees a high degree of efficiency and optimal visual comfort while fulfilling the dark sky criteria.

Veranda has been developed to have excellent controlled downward light eliminating any glare. It has three light shield with different light distributions. Designed for lighting of entrances garden pathways and squares.

This low level surface mounted luminaire is ideal for areas where ground product is not suitable, but horizontal lighting on the ground is required. Depending on the light distribution required, this fixture is available in 360°, 90°/90°, 90° and 180°.

This vandal resistant luminaire can be installed using factory provided anchor bolts, as well as contractor provided wedge anchors.

Ligman Lighting USA reserves the right to change specifications without prior notice, please contact factory for latest information. Due to the continual improvements in LED technology data and components change without notice.

LIGMAN VERANDA BOLLARD
NOT TO SCALE

ECOSENSE TROV - 4'

NOT TO SCALE

Dimensions: 304.7 (1219.2) length, 47.5mm (1.87") height, 55.5mm (2.19") depth, 49.2mm (1.94") width, 30.2mm (1.23") mounting hole offset, 50mm (1.97") mounting hole diameter.

Kurba Large Horizontal and Vertical Static White

Field Bendable 24V System

optics arts by lumini

Features
 Kurba Large is a dot free direct view, highly versatile, energy efficient and flexible LED strip suitable for outdoor wet locations capable of horizontal/side bends and vertical/top bends with a 6" bending radius. The silicone material offers excellent heat, weather, UV, and solvent resistance and has a special coating to repel dust and dirt accumulation.

Applications: Indoor/Outdoor dry & wet location
Materials: Silicone for red list approved, as well as heat, weather, UV, and solvent resistance
Dimming: Dimmable down to 1%. Dot Free even illumination. Also available with Black Lens

Average Life (L70)
 50,000 hours
Approvals: 24VDC Class 2 wet listed, IP68
Warranty: 5 years

Finish Options (see page 2 for additional information)
 Base: White
 Premium: Black, Red, Green, Blue

Technical Information

Bending Direction	Horizontal				Vertical		
	38LO	38SO	38MO	38HO	38LO	38SO	38MO
Output	100 lm/ft	160 lm/ft	240 lm/ft	274 lm/ft	120 lm/ft	210 lm/ft	346 lm/ft
Light Output at 3000K, 80 CRI	1.83 W/ft	2.74 W/ft	3.66 W/ft	4.57 W/ft	1.83 W/ft	2.74 W/ft	3.66 W/ft
Average Power Consumption at 4'	55 lm/W	58 lm/W	66 lm/W	60 lm/W	66 lm/W	77 lm/W	95 lm/W
Efficacy	2.19"				2.19"		
Ordering Increment	52'	35'	26'	21'	52'	35'	26'
Maximum Run Length (In Series)	-40°F to 149°F	-40°F to 140°F	-40°F to 131°F	-40°F to 113°F	-40°F to 149°F	-40°F to 140°F	-40°F to 131°F
Operating Temperature							

IP68 IK10

RoHS Declare

UL LISTED TITLE 24 JAB COMPLIANT

LUMINII KURBA FIELD BENDABLE LINEAR
NOT TO SCALE

PRODUCT MANAGER: TRIM, NIMCO, MANAGER: TJP, PARK, DWG, PLOTTED: 20240208 1:58 PM BY: BRODVA, MEGAN
 C:\WORK\WAC\WAC\TRIM, NIMCO, MANAGER: TJP, PARK, DWG, PLOTTED: 20240208 1:58 PM BY: BRODVA, MEGAN

DESCRIPTION
 DATE
 REV#
 DATE
 REV#

bld REED BURKETT LIGHTING DESIGN
 WADE TRIM
 THE JEFFERSON PROJECT
 1113 N JEFFERSON
 BAY CITY, MI 48708
 CONSTRUCTION DETAILS (7 OF 7)

ISSUED FOR: DATE: BY:
 BID: 02/20/2026 SAL
 JOB NO: TJP2001.02M
 SHEET: C-8.6
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