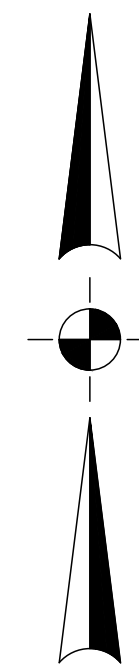


CONSTRUCTION PLANS FOR:
SHERWIN WILLIAMS

LOCATION:
 DEEZ PLAZA
 MADISON COUNTY, MISSISSIPPI
 JANUARY 2021

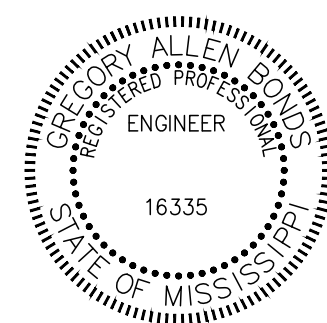


VICINITY MAP

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**FOR REVIEW AND
 APPROVAL**



Gregory A. Bonds
 Gregory A. Bonds, P.E.
 Mississippi License No. 16335
 Date 1/22/21

Equipment, materials and construction of all improvements required in these plans shall be in accordance with these construction drawings & project specifications.
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OWNER:
 RDM3, LLC
 440 NORTH LAMAR, SUITE 6
 OXFORD, MS 38655

<p>BENCHMARK ENGINEERING & SURVEYING, LLC</p> <p>101 Highpointe Court, Suite B Brandon, Mississippi 39042 601-591-1077</p> <p>660 Katherine Drive, Suite 302 Flowood, Mississippi 39232 601-627-7780</p> <p>www.benchmarkms.net</p>	<p>SHEET NUMBER</p> <p>1 of 11</p>
	<p>PROJECT NUMBER</p> <p>B-8113</p>

GENERAL CONSTRUCTION NOTES:

- IT IS NOT THE INTENT OF THESE CONSTRUCTION DRAWINGS, NOTES OR DETAILS TO COVER ALL OF THE REQUIREMENTS OF THE PROJECT SPECIFICATIONS.
- ALL ELEMENTS AND ITEMS NEEDED FOR THE COMPLETE INSTALLATION OF THE IMPROVEMENTS SHOWN IN THESE PLANS THAT ARE NOT SHOWN AS A SEPARATE PAY ITEM SHALL BE CONSIDERED AN ABSORBED COST.
- THE CONTRACTOR SHALL PROVIDE REASONABLE ACCESS TO ALL PROPERTIES IN THE PROJECT AREA THROUGHOUT CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTAL ITEMS NEEDED TO DURING THE ADEQUATE CONSTRUCTION SIGNING, BARRICADES, TRAFFIC CONTROL DEVICES AND OTHER RELATED ITEMS FOR THE PROJECT AREA, PROVIDE THE CONSTRUCTION PERIOD, MAINTENANCE AND PROTECTION OF TRAFFIC MUST COMPLY WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THIS WORK IS TO BE CONSIDERED AN INCIDENTAL ITEM AND THE COST OF THIS ITEM IS TO BE INCLUDED IN OTHER PAY ITEMS.
- THE CONTRACTOR SHALL ASSURE ALL EFFORT, LABOR, EQUIPMENT AND MATERIALS REQUIRED TO PROPERLY, SAFELY AND ACCEPTABLY COMPLETE THE WORK IN A TIMELY MANNER. ALL WORK AND CONSTRUCTION PROCEDURES ARE SUBJECT TO THE APPROVAL OF THE ENGINEER/MADISON COUNTY/OWNER. THE CONTRACTOR WILL BE EXPECTED TO PROGRESS DILIGENTLY AND CONSISTENTLY ITS ACTIVITIES AND OPERATION ON ALL WORKING DAYS WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE THEREFOR. THE CONTRACTOR SHALL WARRANT HIS WORKMANSHIP AND MATERIALS APPLIED AND INSTALLED FROM THE DATE OF SUCH APPLICATION AND INSTALLATION UNTIL ONE YEAR AFTER ACCEPTANCE OF THE WORK BY THE OWNER.
- ALL EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND ARE BASED ON INFORMATION PROVIDED BY OTHERS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE UTILITY OWNER'S TO VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES (POWER, TELEPHONE, GAS, WATER, SEWER, ETC.) LOCATED IN THE PROJECT AREA PRIOR TO CONSTRUCTION AND COMPARE HIS FINDINGS AGAINST THE PROPOSED IMPROVEMENTS REQUIRED IN THESE PLANS. SHOULD ANY DISCREPANCIES BE FOUND BETWEEN THE EXISTING CONDITIONS AND PROPOSED IMPROVEMENTS THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IN WRITING AND AWAIT FURTHER INSTRUCTION.
- THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR THE PROTECTION OF ALL PRIVATE AND PUBLIC UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE UTILITY OWNER BY THE CONTRACTOR. THIS INCLUDES ALL SERVICE LATERALS OF ANY KIND.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THE INTEGRITY AND OPERATIONS OF ALL ABOVE AND BELOW GROUND UTILITY FACILITIES AT ALL TIMES. THE CONTRACTOR SHALL CONDUCT ITS ACTIVITIES AND OPERATIONS TO INSURE THE FUNCTIONAL INTEGRITY OF EACH UTILITY FACILITY LOCATED WITHIN THE WORK SITE. THE CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR DAMAGE TO ANY UTILITIES ENCOUNTERED WITHIN THE CONSTRUCTION LIMITS WHETHER SHOWN ON THE PLANS OR NOT AND SHALL COORDINATE REPAIR, REPLACEMENT OR RELOCATION WITH THE APPROPRIATE UTILITY COMPANY AT NO COST TO THE OWNER.
- THE CONTRACTOR IS REQUIRED BY LAW TO NOTIFY MISSISSIPPI ONE CALL @ 811 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION TO LOCATE ALL EXISTING UTILITIES ON SITE.
- THE CONTRACTOR WILL NOT BE RESPONSIBLE FOR DEMOLISHING OR REMOVING ANY EXISTING ABOVE OR BELOW GROUND TELEPHONE, CABLE, POWER, OR GAS LINES BUT SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH ALL LOCAL UTILITY COMPANIES.
- THE CONTRACTOR SHALL VERIFY ALL SHOWN DIMENSIONS AND ELEVATIONS (EXISTING AND PROPOSED) IN THE FIELD AND SHALL SATISFY HIMSELF AS TO THE ACCURACY BETWEEN WORK SET FORTH ON THESE PLANS AND THE WORK REQUIRED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL MARK THE CONSTRUCTION LIMITS AND REVIEW WITH THE ENGINEER/OWNER PRIOR TO PERFORMING ANY CLEARING OPERATIONS.
- THE CONTRACTOR SHALL CAREFULLY PROTECT AND PRESERVE ALL SURVEY MARKERS OR MONUMENTS ENCOUNTERED DURING CONSTRUCTION.
- THE CONTRACTOR SHALL UTILIZE TEMPORARY FENCING AS REQUIRED BY LOCAL, STATE AND FEDERAL CODES TO PROTECT AND INSURE A SAFE WORK AREA.
- ALL MATERIAL THAT IS CONSIDERED UNSUITABLE FOR FILL MATERIAL SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF BY THE CONTRACTOR.
- THE CONTRACTOR SHALL ESTABLISH A VEGETATIVE COVER (TEMPORARY AND/OR PERMANENT) IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS ON ALL AREAS WHERE THE EXISTING VEGETATION WAS REMOVED OR DISTURBED DURING CONSTRUCTION.
- ALL TESTING SHALL BE DONE BY AN APPROVED TESTING LABORATORY AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING COPIES OF ALL TEST RESULTS TO THE ENGINEER. IF TESTING IS NOT A PAY ITEM IT SHALL BE ABSORBED.
- THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO MATCH PRE-CONSTRUCTION CONDITION OR BETTER PRIOR TO COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL PLACE ALL EXCAVATED MATERIAL IN LOCATIONS TO PREVENT EROSION INTO DRAINAGEWAYS. ALL AREAS DISTURBED BY EXCAVATED MATERIAL PLACEMENT TO BE RESTORED TO ITS ORIGINAL CONDITION.
- ALL EXCAVATIONS ARE TO BE BACKFILLED AT THE END OF EACH WORK DAY.
- ALL FENCING, SIDEWALKS, CURBS, FLOWER BEDS, PLANTERS, ETC. THAT IS DAMAGED DURING CONSTRUCTION WILL BE REPLACED AND RESTORED TO ITS ORIGINAL CONDITION AT NO COST TO THE OWNER.
- THE CONTRACTOR SHALL KEEP ALL ROADS CLEAN OF MUD AND DEBRIS AT ALL TIMES. CONTRACTOR MUST ENSURE THAT ROADS ARE CLEAN PRIOR TO LEAVING THE SITE FOR THE DAY. ALL CLEANING AND MAINTENANCE SHALL BE ABSORBED.
- THE CONTRACTOR SHALL CAREFULLY REMOVE, STORE AND REINSTALL ALL CITY/COUNTY/STATE OWNED SIGNS WHOSE REMOVAL IS REQUIRED BY HIS CONSTRUCTION WORK IN THE PROJECT AREA. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR THE APPROPRIATE AGENCY TO INSPECT ALL SIGNS SCHEDULED TO BE REMOVED PRIOR TO THEIR REMOVAL. ONCE SAID SIGNS HAVE BEEN REMOVED, IT WILL BE DEEMED THAT THEY WERE IN GOOD CONDITION AT THE TIME OF REMOVAL. ANY SIGNS DAMAGED OR LOST BY THE CONTRACTOR SHALL BE REPLACED AT NO COST TO THE APPROPRIATE AGENCY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ANY AND ALL EXISTING STRUCTURES NECESSARY FOR COMPLETION OF WORK DESCRIBED IN THESE PLANS UNLESS OTHERWISE NOTED.
- ALL GRADING WORK SHALL BE PERFORMED IN A MANNER TO PROMOTE POSITIVE DRAINAGE AND KEEP THE EXISTING DRAINAGE PATTERNS. NO GRADING WORK SHALL ADVERSELY AFFECT ADJACENT PROPERTY OWNERS.
- PRIOR TO SUBMISSION OF ITS BID THE CONTRACTOR SHALL REVIEW THESE PLANS, THE ESTIMATED QUANTITIES FOR THE PRINCIPAL ITEMS OF WORK ON WHICH PAYMENT IS TO BE BASED, AND THE DOCUMENTS REFERENCED HEREIN. SUBMISSION OF ITS BID SHALL BE DEEMED A POSITIVE INDICATION THAT THE CONTRACTOR FOUND ALL OF SAME ADEQUATE FOR SUBMISSION OF A UNIT PRICE BID AND FOR INSTALLATION AND/OR CONSTRUCTION OF THE WORK.
- STATIONING AND LENGTHS SHOWN (STREET AND UTILITY) IS HORIZONTAL STATIONING MEASURED ON A LEVEL PLANE. ACTUAL LENGTH SHALL BE DETERMINED BY MEASUREMENT ALONG THE SLOPE OR CURVE.
- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND LICENSES; PAY ALL FEES, CHARGES AND TAXES (INCLUDING SALES AND USE TAXES); GIVE ALL REQUIRED NOTICES; MAINTAIN AN ORDERLY AND SAFE FLOW OF TRAFFIC; MAINTAIN PROPER STORMWATER DRAINAGE; LOCATE AND AVOID DISRUPTING ALL EXISTING UTILITIES; TRANSPORT ALL EQUIPMENT AND MATERIALS AS REQUIRED BY ANY AGENCY HAVING JURISDICTION OVER ANY ROAD USE THEREOF; TRANSPORT, HANDLE AND INSTALL ALL MATERIALS IN ACCORDANCE WITH THEIR RESPECTIVE MANUFACTURER'S RECOMMENDATIONS AND PROJECT SPECIFICATIONS; PROPERLY BACKFILL ALL TRENCHES AND EXCAVATIONS; MAINTAIN A CLEAN AND ORDERLY WORK SITE; PROMPTLY REMOVE ALL EQUIPMENT, DEBRIS AND EXCESS MATERIAL FROM THE PROJECT SITE UPON COMPLETION OF THE WORK; AND RESTORE TO SUBSTANTIALLY THE SAME OR BETTER CONDITIONS ALL DISTURBED PAVEMENTS AND GROUND SURFACES.
- NO ACTIVITY REQUIRED FOR THE ACCOMPLISHMENT OF THE WORK IS TO BE PERFORMED WHEN SOIL CONDITIONS ARE NOT CONDUCTIVE THEREFOR. DRAINAGE SHALL BE MAINTAINED AT ALL TIMES. CONTRACTOR SHALL CONDUCT ITS OPERATIONS AND ACTIVITIES IN SUCH A MANNER AS TO MINIMIZE THE EROSION OF SOILS AND THE DEPOSITION OF SEDIMENTS INTO EXISTING DRAINAGE COURSES DOWNSTREAM OF PROJECT WORK SITE OR ONTO ADJACENT PROPERTIES.
- ELEVATIONS ARE BASED ON M.S.L. DATUM (NAVD 88).

SITE GRADING AND PAVING NOTES:

- TECHNICAL SPECIFICATION FOR MATERIALS AND CONSTRUCTION METHODS FOR PAVING AND EARTHWORK FOR THIS PROJECT SHALL CONFORM TO THE LATEST EDITION OF MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THESE PLANS AND SPECIFICATIONS. SHOULD THERE BE ANY CONFLICTS BETWEEN THE NOTES STATED HEREIN, THE PROJECT SPECIFICATIONS, AND THE REFERENCED MDOT STANDARDS, MDOT STANDARDS SHALL GOVERN. ANY CONFLICTS NOT RESOLVED BY EITHER OF THESE DOCUMENTS SHALL BE DECIDED BY ARCHITECT/ENGINEER TO REFLECT HIS INTENTION.
- EARTH EXCAVATION SHALL INCLUDE CLEARING, STRIPPING, AND THE STOCKPILING OF TOPSOIL, REMOVING UNSUITABLE MATERIALS, THE CONSTRUCTION OF EMBANKMENTS, NON-STRUCTURAL FILLS, FINAL SHAPING AND TRIMMING TO THE LINES, GRADES AND CROSS SECTIONS SHOWN ON THE PLANS. ALL UNSUITABLE OR EXCESS MATERIAL SHALL BE DISPOSED OF AS DIRECTED BY THE ENGINEER.
- AS AN INITIAL STEP OF SITE PREPARATION, TREES AND VEGETATION WITHIN THE CONSTRUCTION LIMITS SHOULD BE REMOVED. TREE AND VEGETATION REMOVAL (CLEARING AND GRUBBING) WILL INCLUDE STUMPS AND ROOT SYSTEMS. HOLES CREATED BY TREE AND STUMP REMOVAL SHOULD BE BACKFILLED WITH SELECT FILL SOILS AND COMPACTED PER SPECIFICATIONS AS DIRECTED BY ENGINEER.
- AFTER CLEARING AND GRUBBING, STRIPPING (12" MINIMUM DEPTH) SHOULD BE PERFORMED TO A SUFFICIENT DEPTH WITHIN CONSTRUCTION AREAS TO REMOVE ORGANIC-LADEN SURFICIAL SOILS, VEGETATION, DEBRIS, BRUSH AND ROOTS (TOPSOIL). TOPSOIL EXCAVATED SHALL BE STOCKPILED ON THE SITE IN AREAS DESIGNATED BY THE ENGINEER UNTIL SUCH TIME THAT THIS TOPSOIL CAN BE USED FOR FINAL GRADING. THIS IS NOT A PAY ITEM, BUT SHALL BE AN ABSORBED COST.
- ONCE CLEARING, GRUBBING, AND STRIPPING HAS BEEN COMPLETED THE CONTRACTOR SHALL EXCAVATE AREAS THAT ARE TO BE CUT TO REACH PLAN GRADE. CONTRACTOR SHALL THEN NOTIFY THE ENGINEER FOR A FIELD INSPECTION OF THE SUBGRADE PRIOR TO PLACEMENT OF ANY SELECT FILL. CONTRACTOR SHALL HAVE EQUIPMENT AVAILABLE TO PERFORM A PROOF ROLL OR FOR FURTHER EXCAVATION SHOULD THE ENGINEER DEEM NECESSARY. FINE-GRAINED SOILS EXPOSED AFTER STRIPPING, EXCAVATION AND UNDERCUTTING ARE SUSCEPTIBLE TO PUMPING AND/OR BECOMING UNSTABLE AND RUTTING EXCESSIVELY UNDER WET CONDITIONS. THE CONSTRUCTION TECHNIQUES, TYPES OF EQUIPMENT UTILIZED AND SITE DRAINAGE PROVIDED DURING CONSTRUCTION WILL HAVE A GREAT EFFECT ON THE PERFORMANCE OF THE FINE-GRAINED SOILS THROUGHOUT THE PROJECT. THE ROUTING OF RUBBER-TIRED EQUIPMENT SHOULD BE CONTROLLED TO MINIMIZE TRAFFIC OVER THE SITE. ALL TRAFFIC SHOULD BE DISCOURAGED DURING PERIODS OF INCLEMENT WEATHER.
- UNDERCUTTING AND BACKFILLING WILL BE REQUIRED TO REMOVE EXPANSIVE CLAYS (CH) IF PRESENT AND CREATE THE RECOMMENDED SOIL BUFFER DESCRIBED BELOW AT BUILDING STRUCTURE LOCATIONS AS DIRECTED BY THE OWNER AND AT ALL PAVEMENT AND SIDEWALK LOCATIONS.
- IMPORT SELECT FILL MATERIAL SHALL CONSIST OF SELECT, NON-ORGANIC AND DEBRIS-FREE SILTY CLAYS (CL) HAVING A PLASTICITY INDEX (PI) WITHIN THE RANGE OF 8 TO 22 AND A LIQUID LIMIT LESS THAN 40. TO BE CLASSIFIED AS SILTY CLAYS (CL) THE FILL MATERIALS MUST HAVE MORE THAN 70% FINES PASSING THE NUMBER 200 SIEVE.
- IMPORT SELECT, STRUCTURAL FILL MATERIAL SHALL CONSIST OF SELECT, NON-ORGANIC AND DEBRIS-FREE SILTY CLAYS (CL) HAVING A PLASTICITY INDEX (PI) WITHIN THE RANGE OF 8 TO 20 AND A LIQUID LIMIT LESS THAN 40. TO BE CLASSIFIED AS SILTY CLAYS (CL) THE FILL MATERIALS MUST HAVE MORE THAN 70% FINES PASSING THE NUMBER 200 SIEVE.
- RECOMMENDED SOIL BUFFER FOR THE BUILDINGS TO BE 7" THICK AND EXTEND Laterally NOT LESS THAN 3' BEYOND THE STRUCTURE LIMITS.
- RECOMMENDED SOIL BUFFER FOR PAVEMENT AND SIDEWALK IS TO BE 3" THICK AND EXTEND Laterally NOT LESS THAN 3' BEYOND PAVEMENT, SIDEWALK EDGES.
- FILL SOILS SHOULD BE COMPACTED IN LIFTS NOT EXCEEDING 8" IN LOOSE THICKNESS TO NOT LESS THAN 98% OF THE STANDARD PROCTOR DENSITY (ASTM D-698-91) AT MOISTURE CONTENTS WITHIN 2 PERCENTAGE POINTS OF THE OPTIMUM WATER CONTENT. STABILITY MUST BE EVIDENT DURING COMPACTION OF EACH LIFT BEFORE ANY SUBSEQUENT LIFTS OF FILL MATERIAL ARE ADDED.
- FIELD MOISTURE/DENSITY TESTS SHALL BE PERFORMED FREQUENTLY IN THE SCARIFIED AND COMPACTED ON-SITE SOILS AND IN EACH COMPACTED LIFT OF FILL MATERIAL. TESTS TO BE PERFORMED A MINIMUM OF ONE TEST PER LIFT FOR EACH 2,000 S.F. OF SURFACE AREA FOR THE BUILDING PAD CONSTRUCTION AND ONE TEST PER LIFT FOR EACH 5,000 S.F. OF SURFACE AREA FOR THE PARKING LOT AND DRIVEWAYS. TEST RESULTS TO BE FAXED TO BENCHMARK ENGINEERING & SURVEYING, LLC AT 601-591-0711. A PROOF ROLL OF THE SUB-GRADE FOR THE CURB AND PARKING LOT IS ALSO REQUIRED PRIOR TO PLACEMENT OF CURB & GUTTER AND ASPHALT BASE. CONTRACTOR SHALL NOTIFY ENGINEER AT A MINIMUM OF 48 HOURS PRIOR.
- THE GRADING AND CONSTRUCTION OF THE SITE IMPROVEMENTS SHALL NOT CAUSE THE PONDING OF STORM WATER. ALL AREAS ADJACENT TO THESE IMPROVEMENTS SHALL BE GRADED TO ALLOW POSITIVE DRAINAGE. POSITIVE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES.
- THE CONTRACTOR SHALL TAKE SPECIAL CARE IN GRADING NEAR TREES, BUSHES AND SHRUBS WHICH ARE NOT TO BE REMOVED SO AS NOT TO CAUSE INJURY TO ROOTS OR TRUNKS.
- THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATION NEAR ANY AND ALL EXISTING ITEMS WHICH ARE NOT INDICATED TO BE REMOVED. ANY DAMAGE DONE TO THESE EXISTING ITEMS BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- PROPOSED ELEVATIONS INDICATE FINISHED CONDITIONS. FOR ROUGH GRADING ELEVATIONS ALLOW FOR THICKNESS OF PROPOSED ITEMS (ROADS, WALKS, DRIVES, ETC.) OR TOPSOIL AS SHOWN.
- STREET PAVING AND CURBS TO REMAIN SHALL BE PROTECTED FROM DAMAGE, AND IF DAMAGED, SHALL BE REPLACED PROMPTLY.

WATER & SEWER NOTES:

- ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THESE PLANS AND PROJECT SPECIFICATIONS.
- THE CONTRACTOR SHALL PROVIDE ALL THE MATERIALS AND APPURTENANCES NECESSARY FOR THE COMPLETE INSTALLATION OF THE WATER AND SEWER UTILITIES.
- THE CONTRACTOR SHALL MAKE ALL TIES TO EXISTING UTILITIES AND COORDINATE THEM WITH THE BEAR CREEK WATER ASSOCIATION.
- ALL MANHOLES, FIRE HYDRANTS, VALVE BOXES, ETC. LOCATED IN PROJECT AREA SHALL BE ADJUSTED TO PROPER LINE AND FINISHED GRADE BY THE CONTRACTOR AFTER PLACING OF PAVEMENT AND BEFORE FINAL ACCEPTANCE.
- TRENCHING AND EMBEDMENT WORK SHALL CONFORM TO THE PROJECT SPECIFICATIONS AND SHALL FOLLOW THE TYPICAL CROSS-SECTION DETAIL FOR TRENCHING. UNLESS SPECIFIED OTHERWISE, BACKFILL MATERIAL SHALL BE COMPACTED TO 98% DENSITY OF STANDARD PROCTOR IN ACCORDANCE WITH ASTM D-698. ALL BACKFILL MATERIAL SHALL BE COMPACTED IN 6" LAYERS.
- THE END OF WATER AND SEWER SERVICE LINES SHALL BE TIGHTLY CAPPED OR PLUGGED AND MARKED.
- ALL WATER AND SANITARY SEWER LINES SHALL BE INSTALLED WITH A MINIMUM OF THREE FEET (3') OF COVER OVER THE TOP OF THE PIPE AT FINISHED GRADE OR AS SHOWN OR NOTED OTHERWISE. WHERE INSTALLED IN A ROADWAY SECTION THE MINIMUM COVER OVER THE TOP OF THE PIPE SHALL BE FOUR FEET (4'). BACKFILL SHALL BE PLACED IN 6" LIFTS AND COMPACTED TO 98% STANDARD PROCTOR DENSITY.
- WATER LINE SHALL BE INSTALLED TO MAINTAIN A MINIMUM CLEARANCE OF 12" BELOW OR ABOVE EXISTING OR PROPOSED STORM DRAIN PIPING AND STRUCTURES THAT ARE PARALLEL TO OR INTERSECT THE WATER MAIN WHILE MAINTAINING THE MINIMUM COVER REQUIREMENTS.
- TEN FEET (10') OF HORIZONTAL CLEARANCE IS REQUIRED BETWEEN ALL WATER AND SEWER LINES. AT LOCATIONS WHERE THE WATER AND SEWER LINES MUST CROSS EACH OTHER THERE SHALL BE A MINIMUM CLEARANCE OF 18" WITH THE WATER PASSING OVER THE SEWER. IF THESE SEPARATIONS CANNOT BE MET, THE SEWER LINE SHALL BE CONSTRUCTED TO THE SAME SPECIFICATIONS AS THE WATER LINE AND BE WATER TIGHT UNTIL SUCH A POINT WHERE MINIMUM SEPARATION CAN BE MET. WHERE GRAVITY FLOW SEWERS CROSS ABOVE WATER LINES, THE SEWER PIPE FOR A DISTANCE OF TEN (10') FEET, EACH SIDE OF THE CROSSING, EITHER SHALL BE DUCTILE IRON PRESSURE PIPE WITHOUT ANY JOINT CLOSER THAN THREE (3') FEET TO THE CROSSING, OR SHALL BE FULLY ENCASED IN CONCRETE. THE UTILITY CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING THE WATER AND SEWER SYSTEM IN ACCORDANCE WITH THE SPECIFICATIONS AND SHALL NOTIFY THE ENGINEER AND THE BEAR CREEK WATER ASSOCIATION AT LEAST 48 HOURS IN ADVANCE OF PERFORMING ANY TESTS. A COPY OF ALL TEST RESULTS SHALL BE FAXED TO BENCHMARK ENGINEERING & SURVEYING, LLC @ 601-591-0711.
- FITTINGS SHALL BE OF MECHANICAL JOINT TYPE AND SHALL BE RESTRAINED BY THE USE OF MEGA-LUGS AND CONCRETE THRUST BLOCKING. MEGA-LUGS AND THRUST BLOCKS ARE ABSORBED IN THE PER FOOT OF PIPE OR IN THE FITTINGS PAI ITEM.
- ALL DISCONNECTIONS OR CONNECTIONS TO EXISTING WATER AND SEWER SYSTEM SHALL BE MADE DURING OFF-PEAK PERIODS AND COORDINATED WITH THE BEAR CREEK WATER ASSOCIATION.

STORM DRAIN NOTES:

- TECHNICAL SPECIFICATIONS FOR STORM DRAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND THE LATEST EDITION OF MISSISSIPPI STANDARD SPECIFICATIONS FOR STATE AID ROAD AND BRIDGE CONSTRUCTION.
- JOINTS SHALL BE CONSTRUCTED AND JOINTED TOGETHER IN SUCH A MANNER THAT NO SPILL THROUGH OF BACKFILL WILL OCCUR.
- CONTRACTOR SHALL PROVIDE DRAIN HOLES OR BLOCK OUTS AT ALL CURB INLETS (TO BE GROUTED IN WHEN FINAL SURFACE COURSE IS APPLIED).
- THE LENGTH OF THE STORM DRAIN LINES ARE MEASURED FROM THE CENTER OF THE INLET/JUNCTION BOX TO THE CENTER OF THE INLET/JUNCTION BOX.
- INLET/JUNCTION BOX SIZES TO BE DETERMINED BY CONTRACTOR OR MANUFACTURER BASED ON THE PIPE SIZES AND THE ENTRY/EXIT ANGLE OF THE CULVERTS.
- JUNCTION BOX AND GATE INLET TOPS TO BE FIELD ADJUSTED ONCE FINAL GRADING HAS TAKEN PLACE.
- NYLOPLAST BASINS SHALL BE INSTALLED PER THE MANUFACTURER'S REQUIREMENTS.

EROSION CONTROL NOTES:

- ALL ITEMS SHOWN ON THE CONTRACT DRAWINGS AND ALL ITEMS REQUIRED TO STAY IN COMPLIANCE WITH THE REQUIREMENTS OF MADISON COUNTY AND THE MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY (MDEQ). SHALL BE INCLUDED IN THE CONTRACTOR'S SCOPE AND PRICE.
- EROSION CONTROL ITEMS DEPICTED ON THE CONTRACT DRAWINGS ARE THE MINIMUM REQUIREMENTS. CONTRACTOR IS RESPONSIBLE TO INSTALL ADDITIONAL ITEMS AS NEEDED TO MEET ABOVE MENTIONED REQUIREMENTS.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO CONTROL EROSION AND STORM WATER POLLUTION THROUGHOUT THE CONSTRUCTION PERIOD IN ACCORDANCE WITH THE REQUIREMENTS OF THE MDEQ. THIS INCLUDES BUT IS NOT LIMITED TO PROPER INSTALLATION AND MAINTENANCE OF ALL TEMPORARY AND PERMANENT MEASURES, INSPECTIONS, INSPECTION REPORTS, AND UPDATES TO EROSION CONTROL PLAN SHOWING FAILURES, REPAIRS AND ADDITIONAL MEASURES TAKEN.
- ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE IN PLACE BEFORE ANY CONSTRUCTION ACTIVITIES BEGIN.
- CLEARING AND GRUBBING SHALL BE HELD TO THE MINIMUM WIDTH NECESSARY TO ACCOMMODATE IMPROVEMENTS.
- EMBANKMENTS AND EXCAVATED AREAS SHALL BE PROMPTLY STABILIZED TO MINIMIZE EROSION.
- WATTLE EROSION CHECKS, SILT FENCING OR OTHER APPROVED BMPs SHALL BE USED ALONG THE TOE OF FILL SLOPES, IN DITCHES, AND IN OTHER AREAS WHERE EROSION IS A PROBLEM AND SILT LADEN RUNOFF MAY ENTER A STREAM, DITCH OR ADJACENT PROPERTY.
- ANY STOCKPILED SOIL OR FILL MATERIAL SHALL BE LOCATED AND TREATED IN A MANNER TO PREVENT SILT FROM ENTERING STREAMS, DITCHES OR ADJACENT PROPERTY. NO EXCAVATED MATERIAL SHALL BE DISCHARGED FROM THE CONSTRUCTION LIMITS. THE CONTRACTOR SHALL DISPOSE OF ALL EXCAVATED MATERIAL IN A LOCATION APPROVED BY THE ENGINEER.
- ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONTINUALLY MAINTAINED. THE CONTRACTOR SHALL KEEP ALL AREAS ADJACENT TO THE LIMITS OF CONSTRUCTION FREE OF MUD AND DEBRIS.
- CONTRACTOR SHALL COMPLY WITH THE EROSION CONTROL REQUIREMENTS OF MADISON COUNTY AND THE REQUIREMENTS OF THE MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY.
- CONTRACTOR TO UTILIZE APPROVED BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL.
- ALL DISTURBED AREAS NOT PAVED SHALL BE SEEDED, MULCHED, FERTILIZED AND WATERED AS REQUIRED TO PREVENT EROSION.
- ALL EROSION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL THE DISTURBED UPSTREAM AREA HAS BEEN INSPECTED BY THE ENGINEER AND APPROVAL HAS BEEN GIVEN FOR REMOVAL.
- CONTRACTOR WILL PROVIDE A STORAGE AREA FOR ALL POTENTIALLY TOXIC MATERIALS THAT ARE TO BE STORED ON SITE. THE LOCATION OF THIS AREA SHALL BE COORDINATED WITH THE ENGINEER/MADISON COUNTY.
- FUEL AND MATERIAL STORAGE AREAS SHALL BE LOCATED AS FAR AWAY FROM ANY DITCHES OR STREAMS AS POSSIBLE. A 60ML POLYETHYLENE LINER IS REQUIRED UNDER FUEL TANKS.
- CONTRACTOR WILL BE RESPONSIBLE FOR ANY REPAIRS OR REPLACEMENT REQUIRED TO RESTORE AREAS TO THEIR ORIGINAL CONDITION WHERE EROSION CONTROL MEASURES FAILED.

STANDARD ABBREVIATIONS, SYMBOLS & LINETYPES

ABBREVIATIONS

#	POUND
ASSY.	ASSEMBLY
AUG.	AVERAGE
B.F.E.	BASE FLOOD ELEVATION
BLDG.	BUILDING
BM	BENCHMARK
CM	CHORD LENGTH
C	CENTERLINE
CI	CURB INLET
CONC.	CONCRETE
CONST.	CONSTRUCTION
C.M.P.	CORRUGATED METAL PIPE
C.P.P.	CORRUGATED PLASTIC PIPE
C.Y.	CUBIC YARD
DIAM.	DIAMETER
D.I.P.	DUCTILE IRON PIPE
DBL.	DOUBLE
DWG.	DRAWING
EASE.	EASEMENT
EX.	EXISTING
EXP.	EDGE OF PAVEMENT
EXIST.	EXISTING
EXT.	EXTENSION
E.W.	EACH WAY
F.F.E.	FINISHED FLOOR ELEVATION
F	FLOWLINE (EQUALS INVERT)
FM	SANITARY SEWER FORCE MAIN
GV	GATE VALVE
GI	GRATE INLET
HORIZ.	HORIZONTAL
H.W.Y.	HIGHWAY
HYD.	HYDRANT
INV.	INVERT (EQUALS FLOWLINE)
J	JUNCTION BOX
LB	FOUND
L.F.	LINEAR FEET (HORIZONTAL)
MAX.	MAXIMUM
MH	SANITARY SEWER MANHOLE
MIN.	MINIMUM
MJ	MECHANICAL JOINT
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
PC	POINT OF CURVATURE
PERM.	PERMANENT
PI	POINT OF INTERSECTION
PROP.	PROPOSED
PT	POINT OF TANGENCY
R	RADIUS
R.C.P.	REINFORCED CONCRETE PIPE
R.C.A.P.	REINFORCED CONCRETE ARCH PIPE
R.D.	ROAD
REQ'D.	REQUIRED
RET. WALL	RETAINING WALL
R.O.W./ROW	RIGHT OF WAY
RR	RAILROAD
SD	STORM DRAIN
SHDR.	SHOULDER
SS	SANITARY SEWER
STA.	STATION
STD.	STANDARD
S.Y.	SQUARE YARD
T	TANGENT LENGTH
TBC	TOP BACK OF CURB
TBM	TEMPORARY BENCHMARK
TEMP.	TEMPORARY
TOE	TOE OF SLOPE
TP	TOP OF BANK
TP	TOP OF PAVEMENT (ALL TYPES)
TRP.	TRIPLE
TS	TOP OF SIDEWALK
TYP.	TYPICAL
VERT.	VERTICAL

SYMBOLS

●	PROP. SS MH
○	PROP. SS CLEANOUT
□	PROP. CI (SINGLE)
□	PROP. CI (SINGLE EXT.)
□	PROP. CI (DBL. EXT.)
□	PROP. GRATE INLET
○	PROP. JB
+	PROP. FIRE HYDRANT ASSY.
+	PROP. GATE VALVE ASSY.
○	PROP. SPOT ELEV. TOP BACK OF CURB
○	PROP. SPOT ELEV. TOP OF SIDEWALK
○	TEMP. BM
○	PROP. WATER METER ASSY.
○	PROP. BACKFLOW ASSY.
○	EX. POWER POLE
○	EX. SS MH
○	EX. SS LIFT STATION
○	EX. GATE VALVE ASSY.
○	EX. WATER METER ASSY.
○	SET IRON PIN
○	FOUND IRON PIN
○	BORE HOLE LOCATION
○	EX. CI
○	EX. CI (SINGLE EXT.)
○	EX. CI (DBL. EXT.)
○	PROP. SS MH LABEL
○	PROP. SD STRUCTURE LABEL
○	EX. FIRE HYDRANT ASSY.
○	PROP. F.E.S.
○	EX. F.E.S.
○	PROP. WATTLE
○	F.E.S. INLET PROTECTION
○	PROP. CI PROTECTION ON SLOPE
○	PROP. CI PROTECTION IN SAG
○	PROP. GI PROTECTION

LINETYPES

---	EX. ADJACENT PROPERTY LINE
---	EX. AT&T LINE
---	EX. BLDG. LINE
---	EX. G. ROWLINE
---	EX. COMCAST UNDERGROUND
---	EX. CONC.
---	EX. CULVERT
---	EX. CURB
---	EX. DITCH
---	EX. EASE.
---	EX. EDGE OF BARBED WIRE
---	EX. EP
---	EX. FENCE CYCLONE
---	EX. FENCE WROUGHT IRON
---	EX. LANDSCAPING
---	EX. FENCE WOOD
---	EX. FIBER OPTIC
---	EX. GAS LINE
---	EX. GROUND CONTOUR LINE
---	EX. LANDSCAPING
---	EX. POWER (OVERHEAD)
---	EX. POWER (UNDERGROUND)
---	EX. RET. WALL
---	EX. R.O.W.
---	EX. RR TRACKS
---	EX. SIDEWALK
---	EX. SS
---	EX. STRIPING
---	EX. TOE SLOPE
---	EX. TOP BANK
---	EX. TREE LINE
---	EX. WATER'S EDGE
---	EX. WATER LINE
---	BASE FLOOD ELEVATION LINE & ELEV. FLOODWAY LINE
---	FLOOD ZONE LINE
---	PROP. EP
---	PROP. CASING
---	PROP. CENTERLINE
---	PROP. CLEARING LIMITS
---	PROP. CURB
---	PROP. EASE
---	PROP. FENCE BARBED WIRE
---	PROP. FENCE CYCLONE
---	PROP. FENCE WROUGHT IRON
---	PROP. FINISHED GRADE CONTOUR LINE
---	PROP. SHOULDER
---	PROP. GAS LINE
---	PROP. PHASE LINE
---	PROP. PROPERTY
---	PROP. RET. WALL
---	PROP. R.O.W.
---	PROP. SD CULVERT
---	PROP. SETBACKS
---	PROP. SIDEWALK
---	PROP. SILT FENCE
---	PROP. SS FM
---	PROP. SS LINE
---	PROP. SS SERVICE LINE
---	PROP. SWALE/RAIN PATH
---	PROP. WATER EDGE
---	PROP. WATER LINE
---	PROP. WATER SERVICE LINE

HATCHES

▨	FLOOD ZONE AE
▨	FLOOD ZONE X (SHADED)
▨	HEAVY DUTY ASPHALT
▨	BLDG.
▨	CONC.
▨	RIP-RAP
▨	CONST. ROAD
▨	GRASS SEED REQ'D.

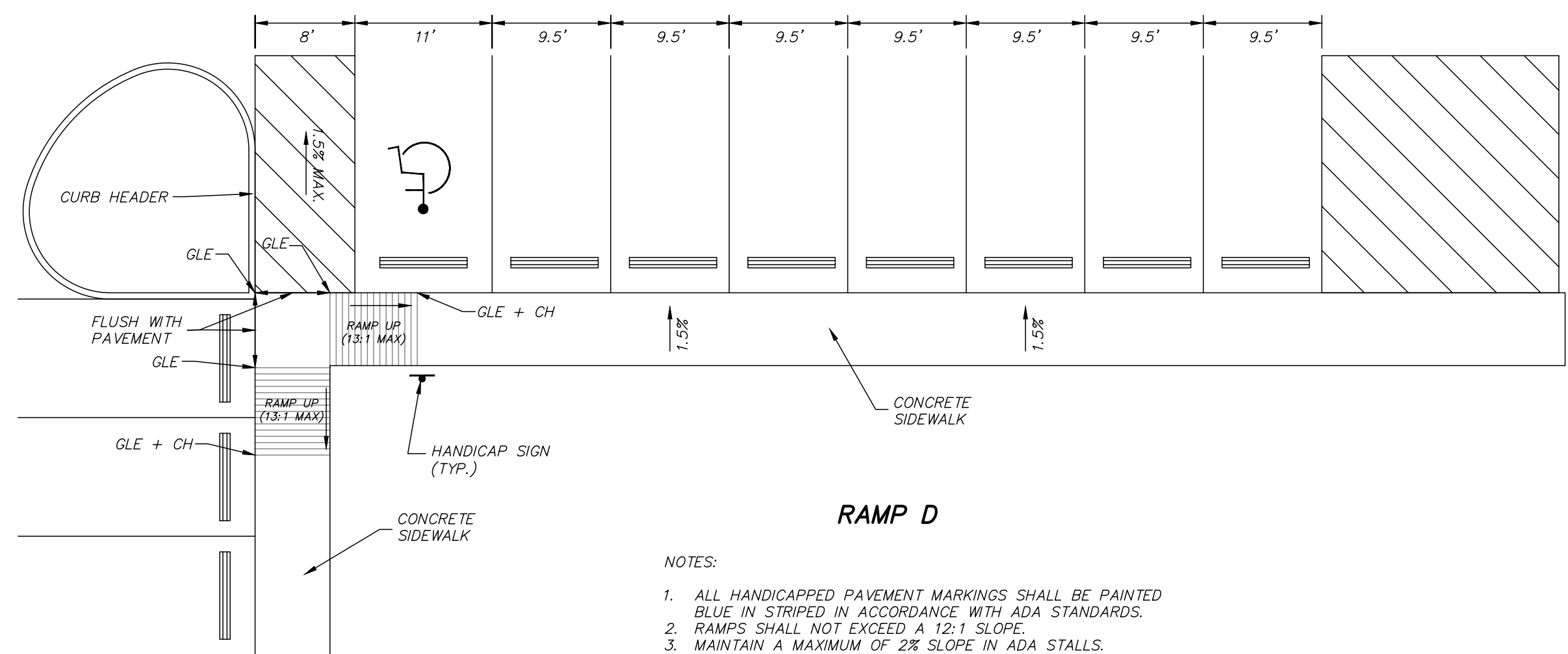
BENCHMARK ENGINEERING & SURVEYING, LLC
 609 Katherine Drive, Suite 302
 Brandon, MS 39202
 Phone: 601-591-1777
 Fax: 601-591-1780
 www.benchmarkem.com

DATE: 07/22/21
 CHECKED: GAB
 REF C/L:
 EC SURFACE:
 FC SURFACE:

REVISIONS:
 DRAWING: KDR
 SCALE:
 PROJECT LOCATION:
 DEES PLAZA
 MADISON COUNTY, MISSISSIPPI
 CLIENT:
 RDM3, LLC
 440 NORTH LAMAR, SUITE 6, OXFORD, MS

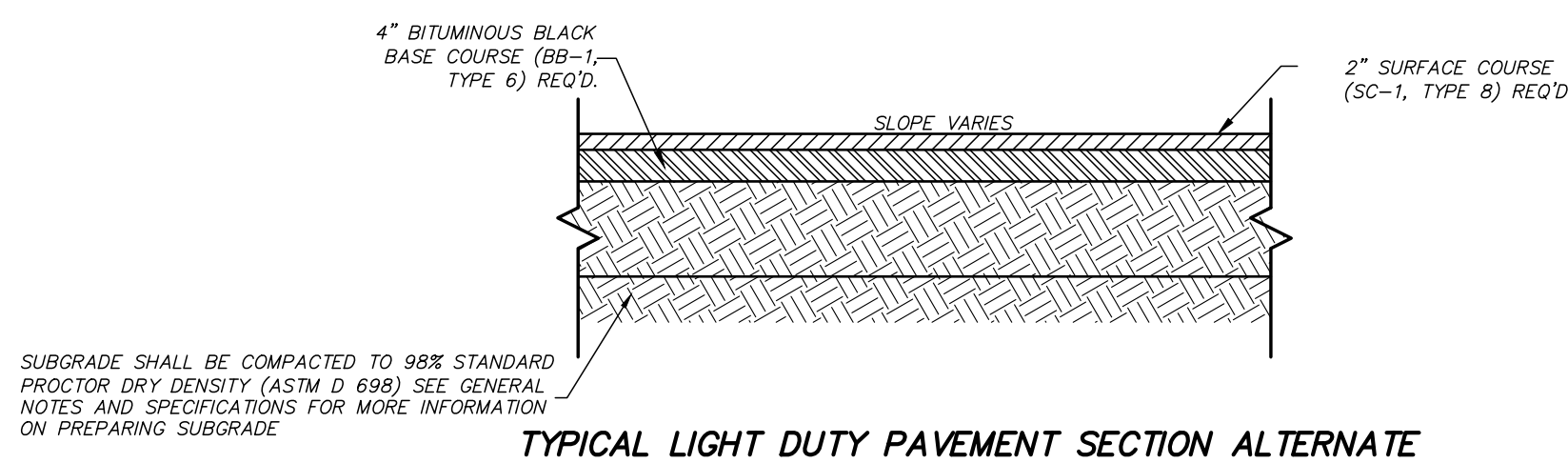
PROJECT:
 SHERWIN WILLIAMS
 SHEET CONTENTS:
 GENERAL CONSTRUCTION NOTES

SHEET NUMBER
 2 of 11
 PROJECT NUMBER
 B-8113



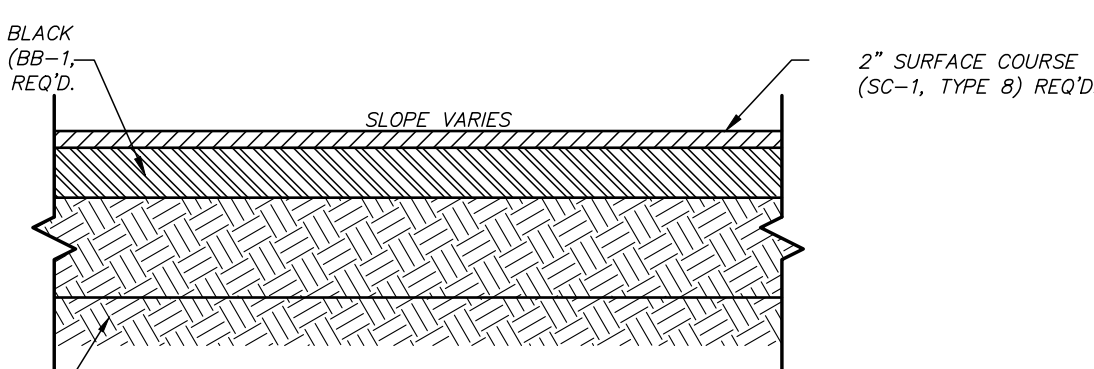
- NOTES:**
1. ALL HANDICAPPED PAVEMENT MARKINGS SHALL BE PAINTED BLUE IN STRIPED IN ACCORDANCE WITH ADA STANDARDS.
 2. RAMPS SHALL NOT EXCEED A 12:1 SLOPE.
 3. MAINTAIN A MAXIMUM OF 2% SLOPE IN ADA STALLS.

TYPICAL HANDICAPPED PARKING & HANDICAPPED RAMP DETAILS



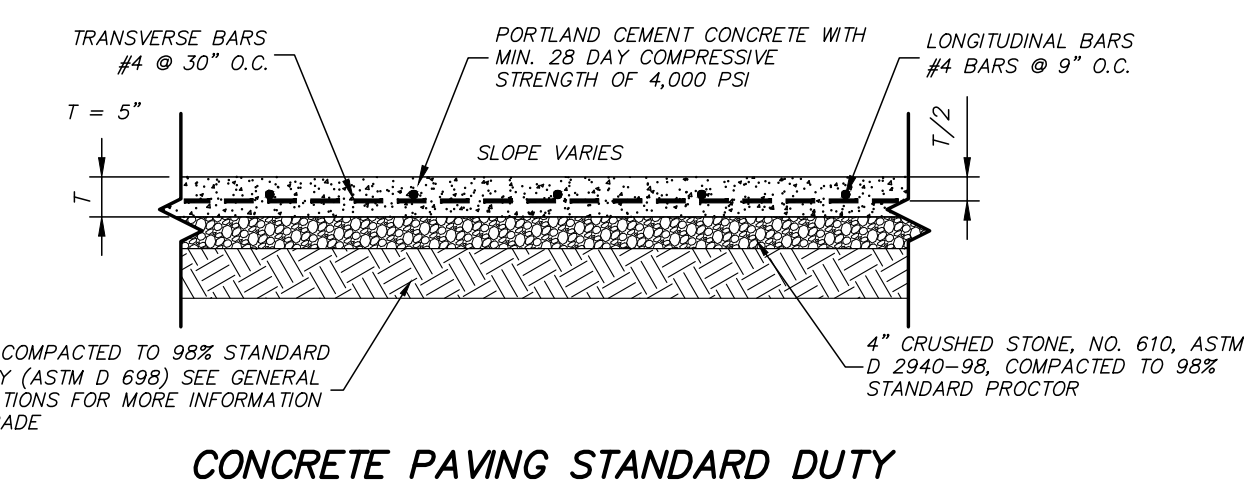
SUBGRADE SHALL BE COMPACTED TO 98% STANDARD PROCTOR DRY DENSITY (ASTM D 698) SEE GENERAL NOTES AND SPECIFICATIONS FOR MORE INFORMATION ON PREPARING SUBGRADE

TYPICAL LIGHT DUTY PAVEMENT SECTION ALTERNATE



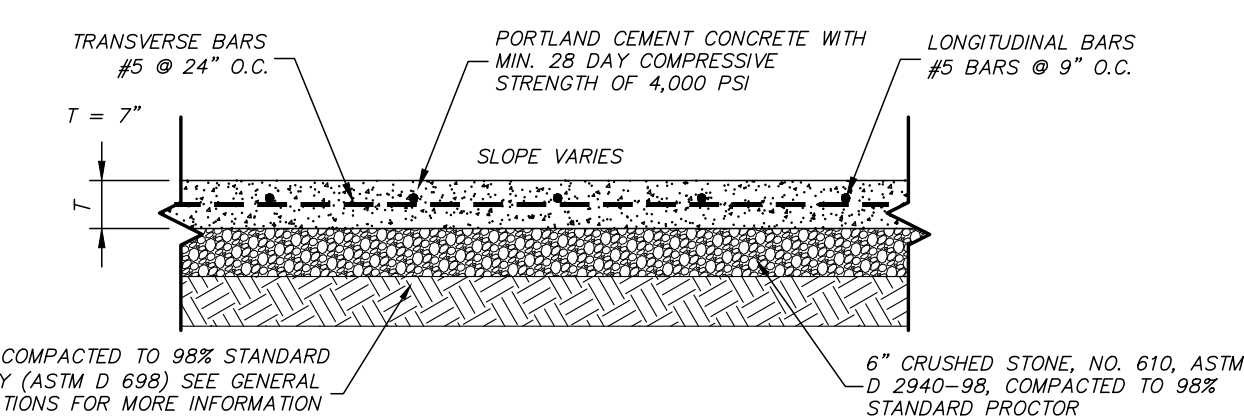
SUBGRADE SHALL BE COMPACTED TO 98% STANDARD PROCTOR DRY DENSITY (ASTM D 698) SEE GENERAL NOTES AND SPECIFICATIONS FOR MORE INFORMATION ON PREPARING SUBGRADE

TYPICAL HEAVY DUTY PAVEMENT SECTION ALTERNATE



SUBGRADE SHALL BE COMPACTED TO 98% STANDARD PROCTOR DRY DENSITY (ASTM D 698) SEE GENERAL NOTES AND SPECIFICATIONS FOR MORE INFORMATION ON PREPARING SUBGRADE

CONCRETE PAVING STANDARD DUTY

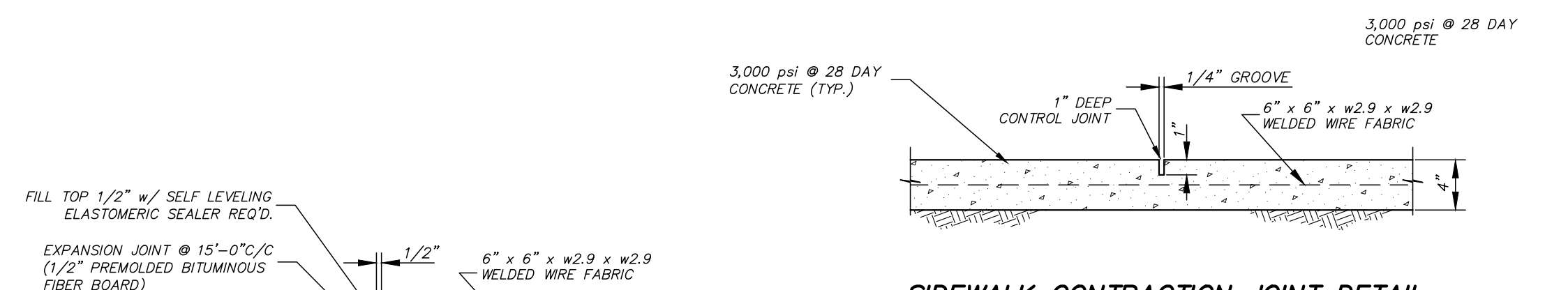


SUBGRADE SHALL BE COMPACTED TO 98% STANDARD PROCTOR DRY DENSITY (ASTM D 698) SEE GENERAL NOTES AND SPECIFICATIONS FOR MORE INFORMATION ON PREPARING SUBGRADE

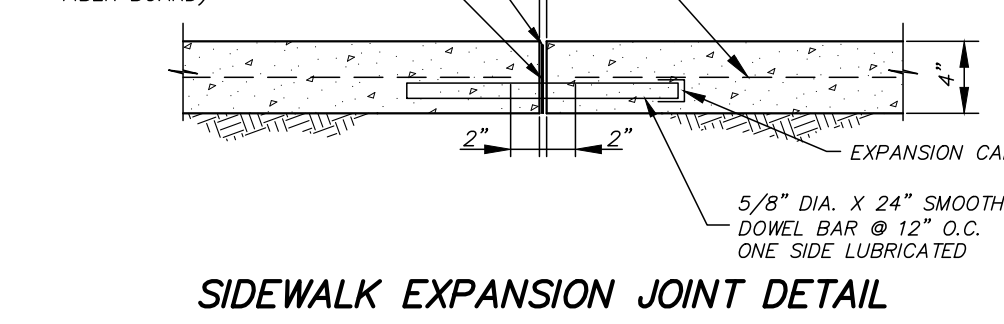
CONCRETE PAVING HEAVY DUTY & DUMPSTER PAD

- NOTES:**
1. PORTLAND CEMENT CONCRETE SHALL MEET OR EXCEED 3,500psi AT 28 DAYS.
 2. REBAR SHALL MEET ASTM A 615, GRADE 60 REQUIREMENTS.
 3. REBAR SHALL NOT BE PLACED WITHIN 3" FROM EDGE OF PAVEMENT.
 4. EXPANSION, ISOLATION AND CONTROL JOINTS SHALL BE PLACED AS REQUIRED PER SPECS AND SPACED PER ACI RECOMMENDATIONS FOR CONCRETE THICKNESS.

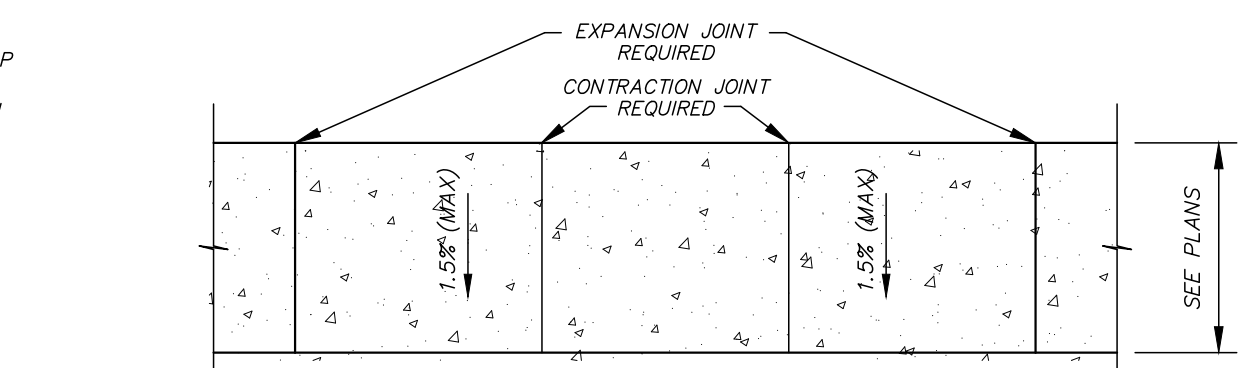
TYPICAL SECTIONS OF RIGID PAVEMENT STRUCTURES



SIDEWALK CONTRACTION JOINT DETAIL

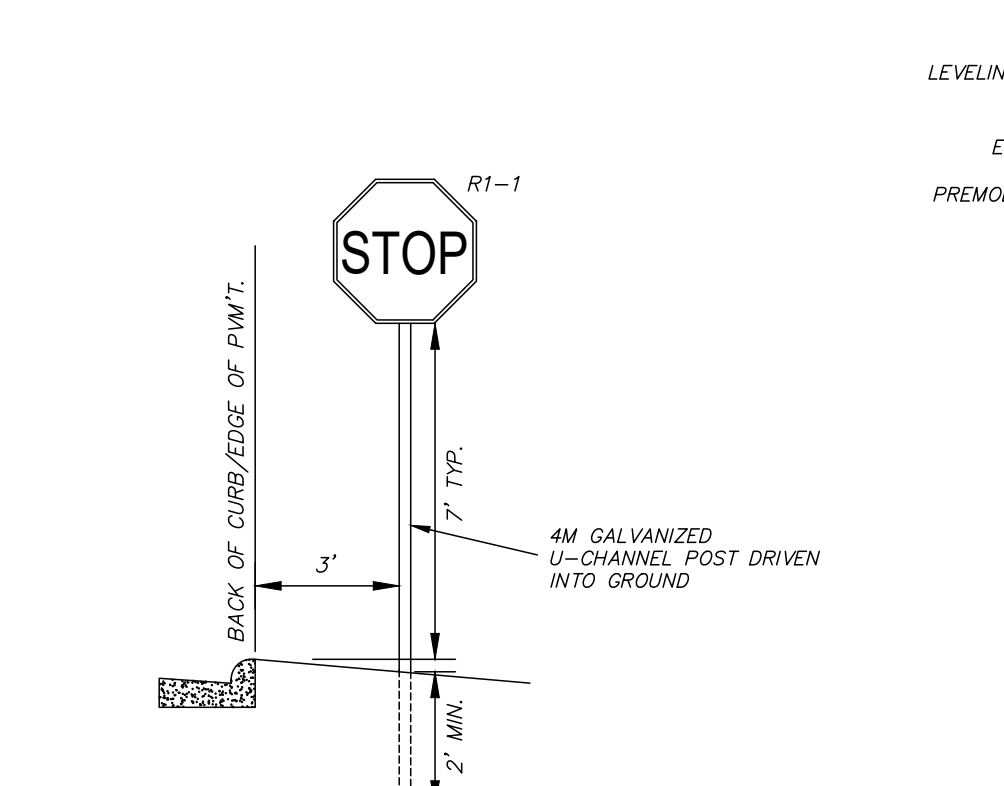


SIDEWALK EXPANSION JOINT DETAIL

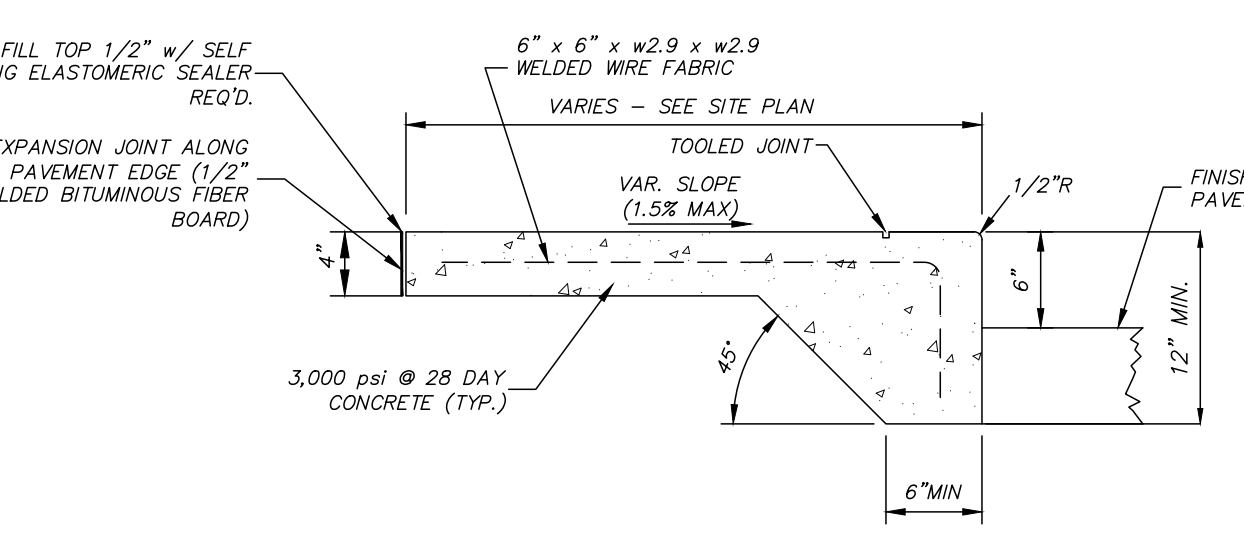


NOTE: SIDEWALK TO BE SLOPED TO DRIVES & AWAY FROM BUILDINGS

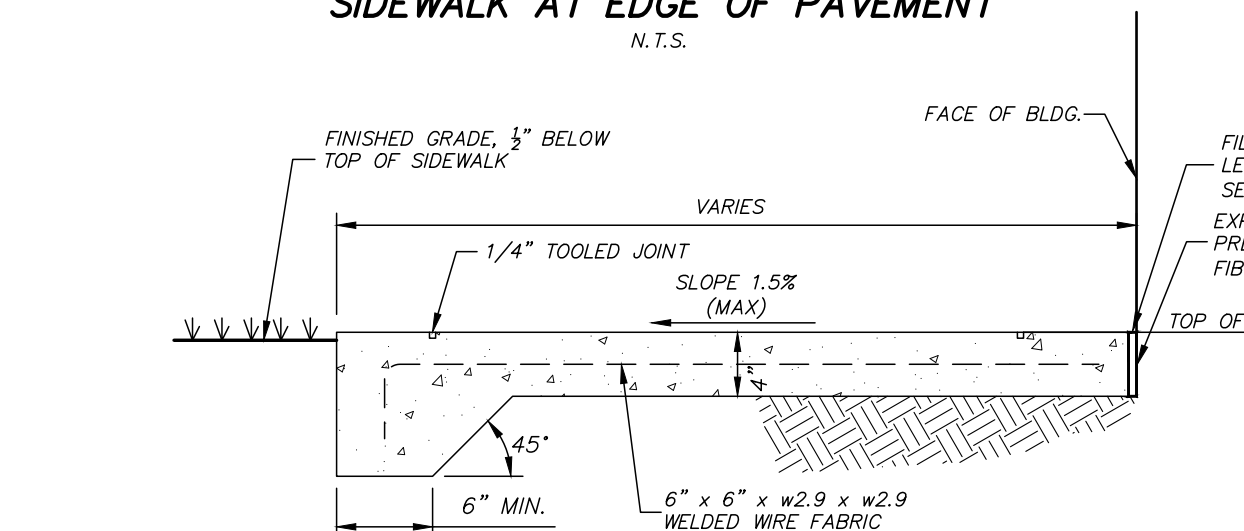
SIDEWALK JOINT LAYOUT DETAIL



TRAFFIC SIGN INSTALLATION



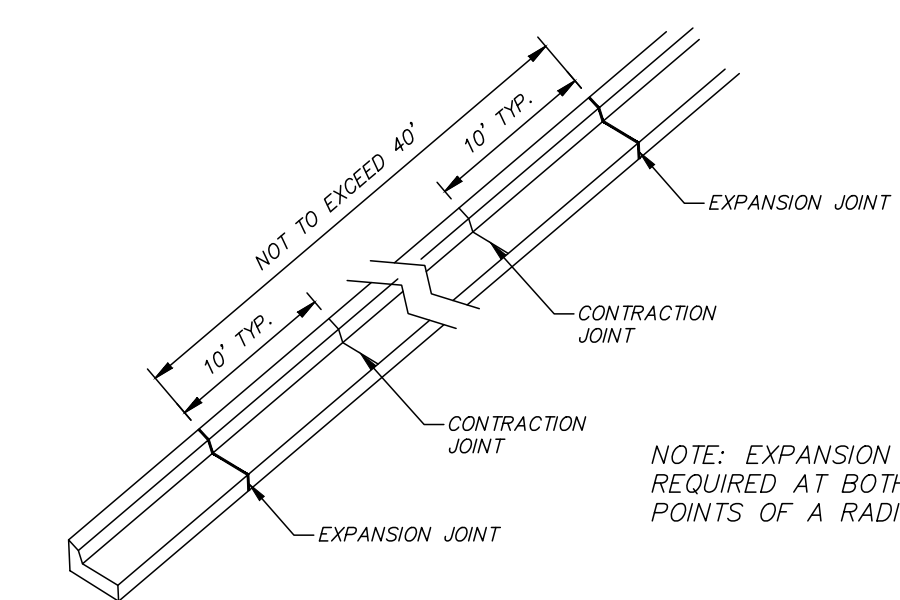
SIDEWALK AT EDGE OF PAVEMENT



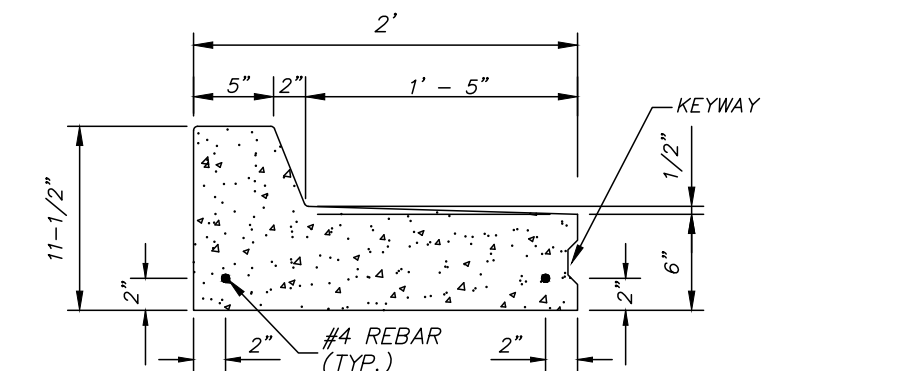
SIDEWALK AT LANDSCAPING

- SIDEWALK CONSTRUCTION NOTES:**
1. SUB-GRADE FOR SIDEWALK SHALL BE PREPARED IN SAME MANNER AS REQUIRED FOR PAVEMENT CONSTRUCTION.
 2. EXPANSION JOINT REQ'D WHERE TYPING SIDEWALK TO BUILDING OR BACK OF CURB WITH 1/2" PRE-MOLDED BITUMINOUS FIBER BOARD AND TOP FILLED WITH 1/2" SELF LEVELING ELASTOMERIC SEALER.
 3. WELDED WIRE FABRIC SHALL BE SHEETS AND NOT ROLLS.
 4. CONTRACTION JOINTS REQUIRED AT 5' O.C. & EXPANSION JOINTS REQUIRED AT 15' O.C. UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
 5. CONTRACTION/CONTROL JOINTS SHALL BE TOOLED OR SAWCUT IN STRAIGHT LINES TO THE DEPTHS SHOWN AT THE PROPER CURE TIME AND WITH THE PROPER MATERIALS/EQUIPMENT TO LEAVE THE FINISHED CONCRETE SURFACE ALONG THE JOINTS LOOKING SMOOTH AND FREE FROM CHIPPING OR OTHER DEFECTS. JOINTS WHERE CHIPPING OR OTHER IRREGULARITIES THAT COMPROMISE THE LOOK OF THE CONCRETE PER THE OWNER/ENGINEER SHALL BE REJECTED AND SUBSEQUENTLY REMOVED AND REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
 6. CONTRACTOR SHALL SEE SPOT ELEVATIONS ON GRADING LAYOUT FOR SIDEWALK SLOPES.

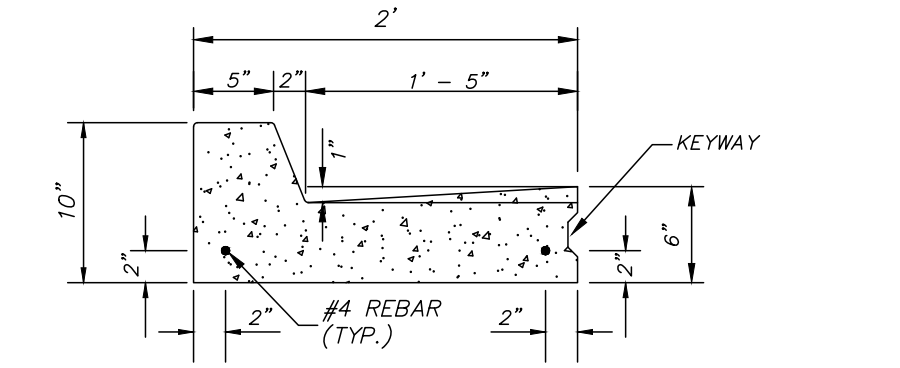
CONCRETE SIDEWALK DETAILS



TYPICAL CURB AND GUTTER JOINT SPACING



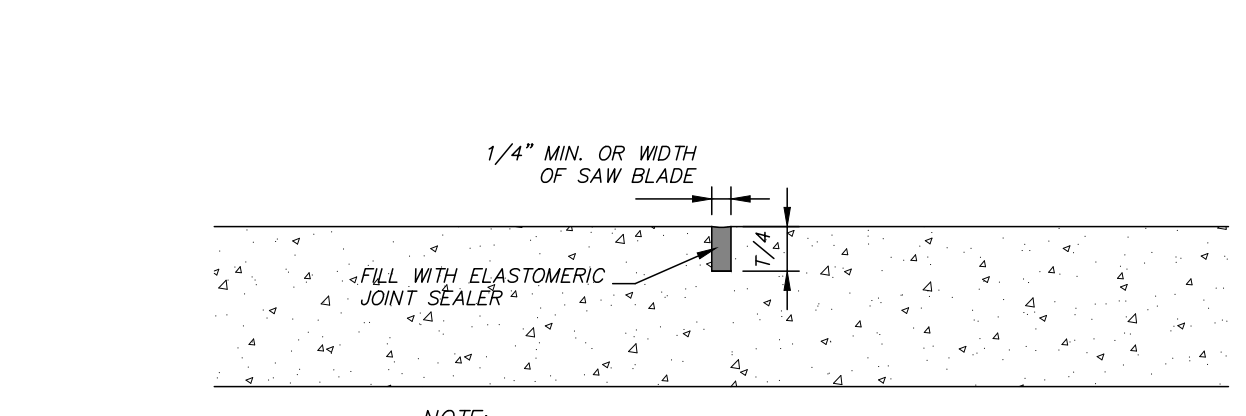
STANDARD CURB WITH REVERSED GUTTER



STANDARD CURB AND GUTTER

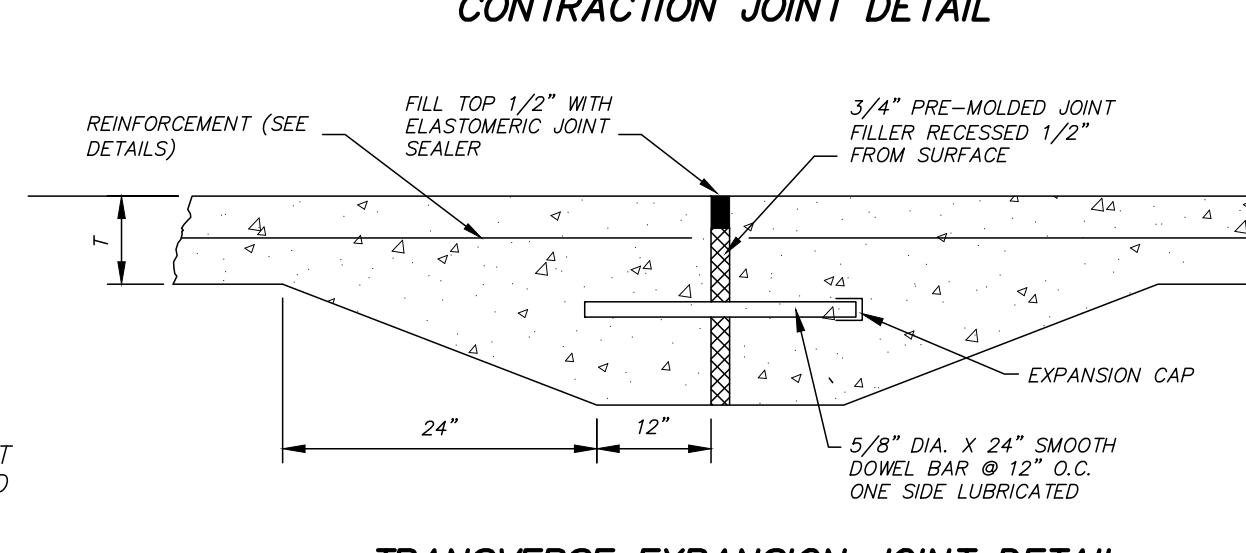
- CURB AND GUTTER NOTES:**
1. CURB AND GUTTER SHALL BE 3500 PSI MINIMUM CONCRETE.
 2. CURB AND GUTTER SHALL BE PLACED ON COMPACTED SUB-GRADE MEETING ROADWAY SPECIFICATIONS. SUB-GRADE SHALL PASS A PROOF ROLL WITH THE ENGINEER OR HIS REPRESENTATIVE PRIOR TO POURING ANY PORTION OF THE CURB AND GUTTER.
 3. PROVIDE EXPANSION JOINTS WITH 1/2" EXPANSION MATERIAL AT INTERVALS NOT TO EXCEED FORTY (40) FEET. TWO 3/4" DOWEL BARS HELD IN PLACE BY APPROVED CHAIRS OR SUPPORTS 15" IN LENGTH REQ'D. AT EXPANSION JOINTS.
 4. TOOLED CONTRACTION/CONTROL JOINTS (1/4" WIDE x 1" DEEP) ARE REQUIRED IN THE CURB AND GUTTER AT EVENLY SPACED INTERVALS NOT TO EXCEED TEN (10) FEET.
 5. CONTRACTOR SHALL MAKE TRANSITION FROM STANDARD CURB TO REVERSED GUTTER THROUGH A RADIUS IS POSSIBLE AND IF NOT, GRADUALLY TRANSITION BETWEEN CONTRACTION JOINTS.
 6. LOCATIONS FOR REVERSE GUTTER ARE NOTED ON THE DRAWINGS. THE CONTRACTOR MAY PROPOSE TO ADJUST LOCATIONS BY PROVIDING ENGINEER WITH A DRAWING WITH PROPOSED REVERSE GUTTER LOCATIONS FOR HIS REVIEW AND COMMENT/REJECTION/APPROVAL.

CURB AND GUTTER DETAILS

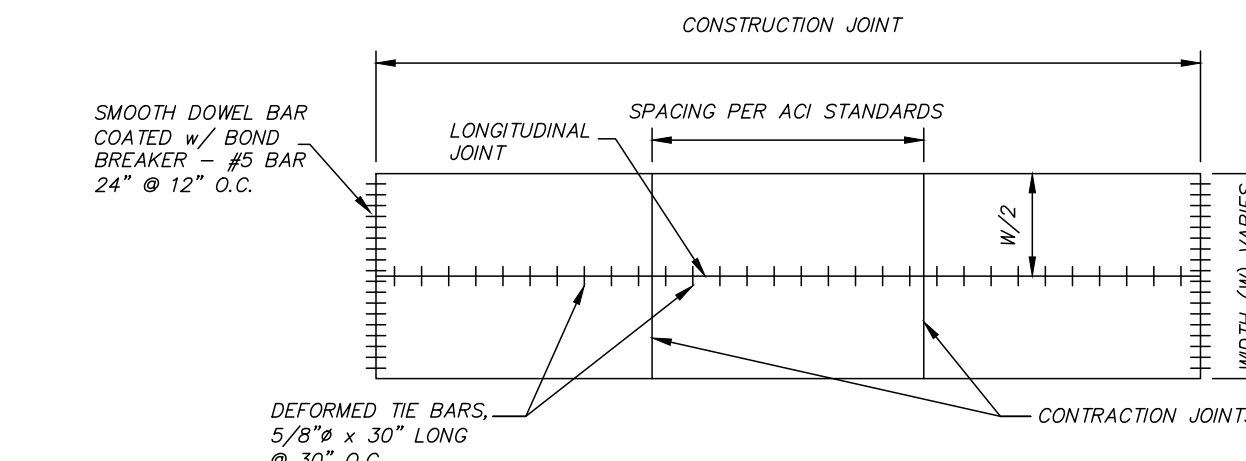


NOTE: CONTRACTION JOINTS TO BE SAWS PER ACI STANDARDS TO ALLOW FOR SMOOTH, CLEAN, FINISHED EDGES AND AT INTERVALS ACCORDING TO ACI STANDARDS. PANELS WITH RAVELED EDGES FROM SAW CUTTING WILL BE REJECTED SHALL BE REMOVED & REPLACED BY CONTRACTOR AT NO COST TO THE OWNER.

CONTRACTION JOINT DETAIL

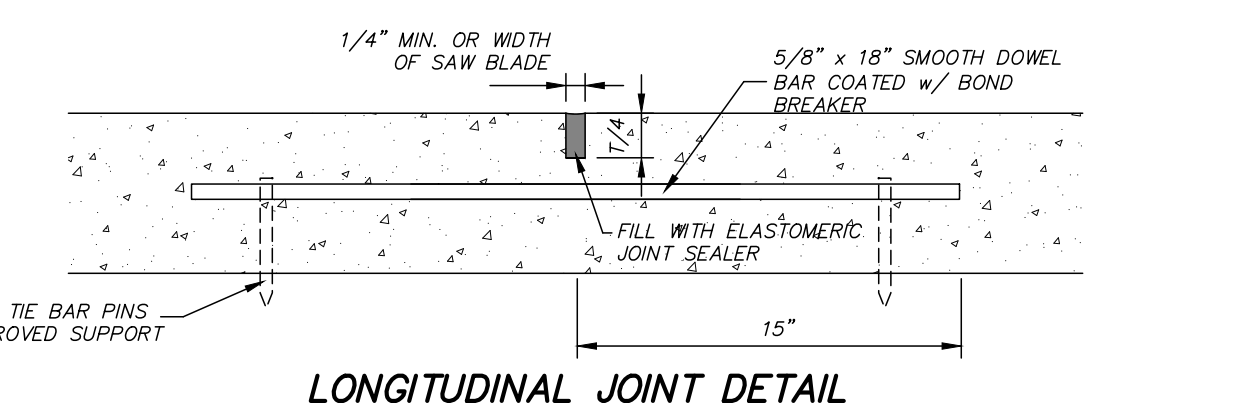


TRANSVERSE EXPANSION JOINT DETAIL

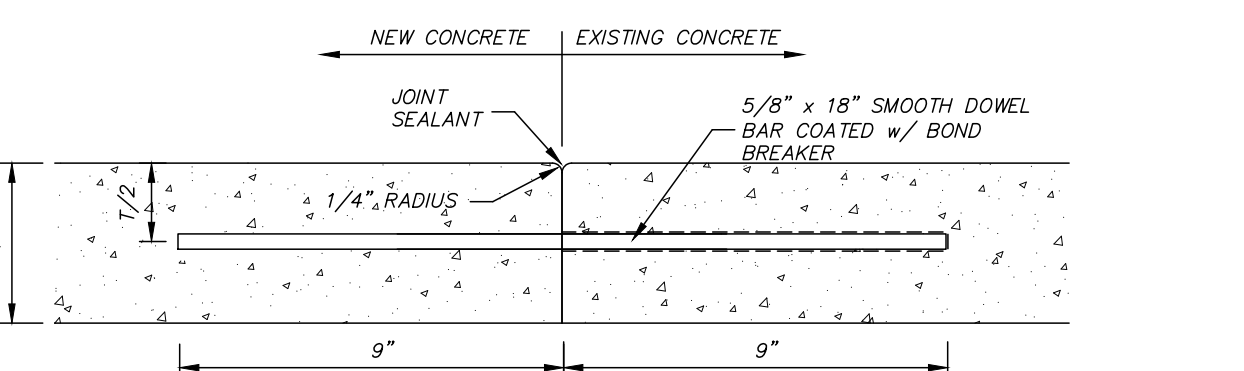


TYPICAL JOINT SPACING FOR RIGID PAVEMENT

- NOTES:**
1. LONGITUDINAL JOINTS REQUIRED ON PAVEMENT THAT IS 20' OR WIDER AND IS TO BE CENTERED.
 2. SEE DETAILS FOR MORE INFORMATION OF JOINT CONSTRUCTION AND DOWEL BARS.
 3. KEY TYPE JOINT SHALL BE USED ON ALL LONGITUDINAL JOINTS WHEN ADJACENT LANE IS NOT POURED AT THE SAME TIME.



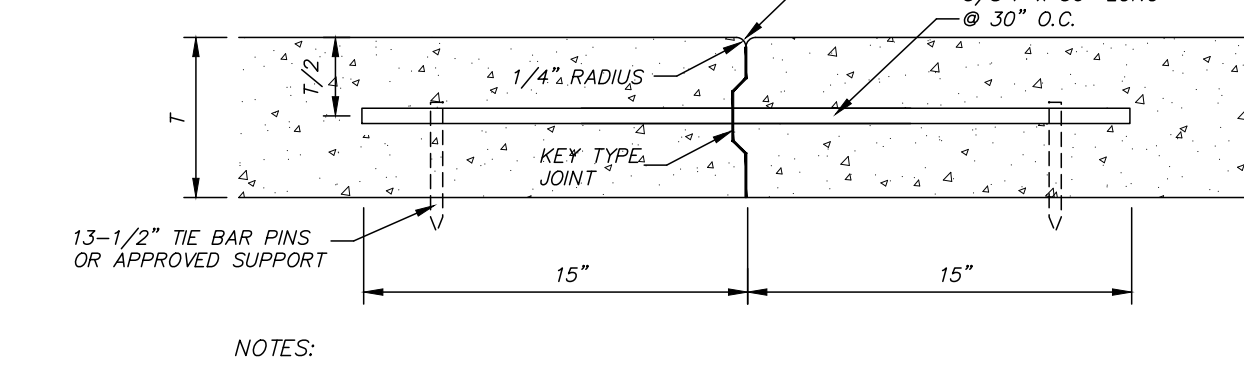
LONGITUDINAL JOINT DETAIL



NOTES:

1. REQUIRED AT ALL LOCATIONS WHERE PROPOSED PAVEMENT TIES TO EXISTING PAVEMENT UNLESS OTHERWISE NOTED.
2. DRILL HOLE INTO EX. CONCRETE PAVEMENT TO LENGTH REQUIRED, USE CHEMICAL ADHESIVE TO BAR TO EXISTING CONCRETE.
3. DOWEL BAR LOCATION TO MATCH TIE BAR SPACING WHERE APPLICABLE, MINIMUM SPACING OF 18".
4. 1/4" RADIUS NOT REQ'D. ON EXISTING CONCRETE IF NOT ALREADY THERE.
5. SEE DETAILS FOR PAVEMENT THICKNESS.

PROPOSED CONCRETE PAVEMENT TO EXISTING CONCRETE PAVEMENT DETAIL

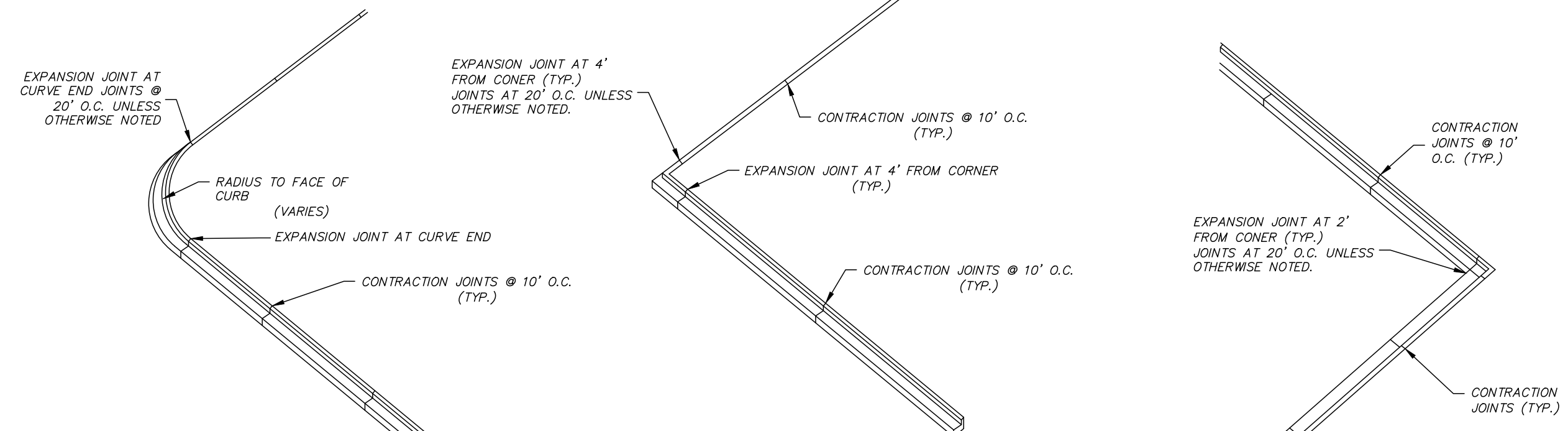


NOTES:

1. KEY TYPE JOINT SHALL BE USED ON ALL LONGITUDINAL CONSTRUCTION JOINTS WHEN ADJACENT LANE IS NOT POURED AT THE SAME TIME.
2. ALTERNATIVE METHODS FOR KEY TYPE JOINT SHALL BE PRESENTED TO ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.

CONSTRUCTION JOINT DETAIL

CONCRETE ROADWAY DETAILS



CURBING DETAILS ISLANDS AND ANGLES

BENCHMARK ENGINEERING & SURVEYING, LLC
 660 Katherine Drive, Suite 302
 Brandon, MS 39042
 Phone: 601-827-7180
 www.benchmarkms.com

PROJECT LOCATION: DEES PLAZA, MADISON COUNTY, MISSISSIPPI
 CLIENT: RDM3, LLC
 440 NORTH LAMAR, SUITE 6, OXFORD, MS

PROJECT: SHERWIN WILLIAMS
 SHEET CONTENTS: TYPICAL SECTION & MISCELLANEOUS DETAILS

DATE: 07/22/21
 CHECKED: GAB
 REF C/L:
 EC SURFACE:
 FG SURFACE:

REVISIONS:
 DRAWING: KDR
 SCALE:
 SHEET NUMBER: 3 of 11
 PROJECT NUMBER: B-8113

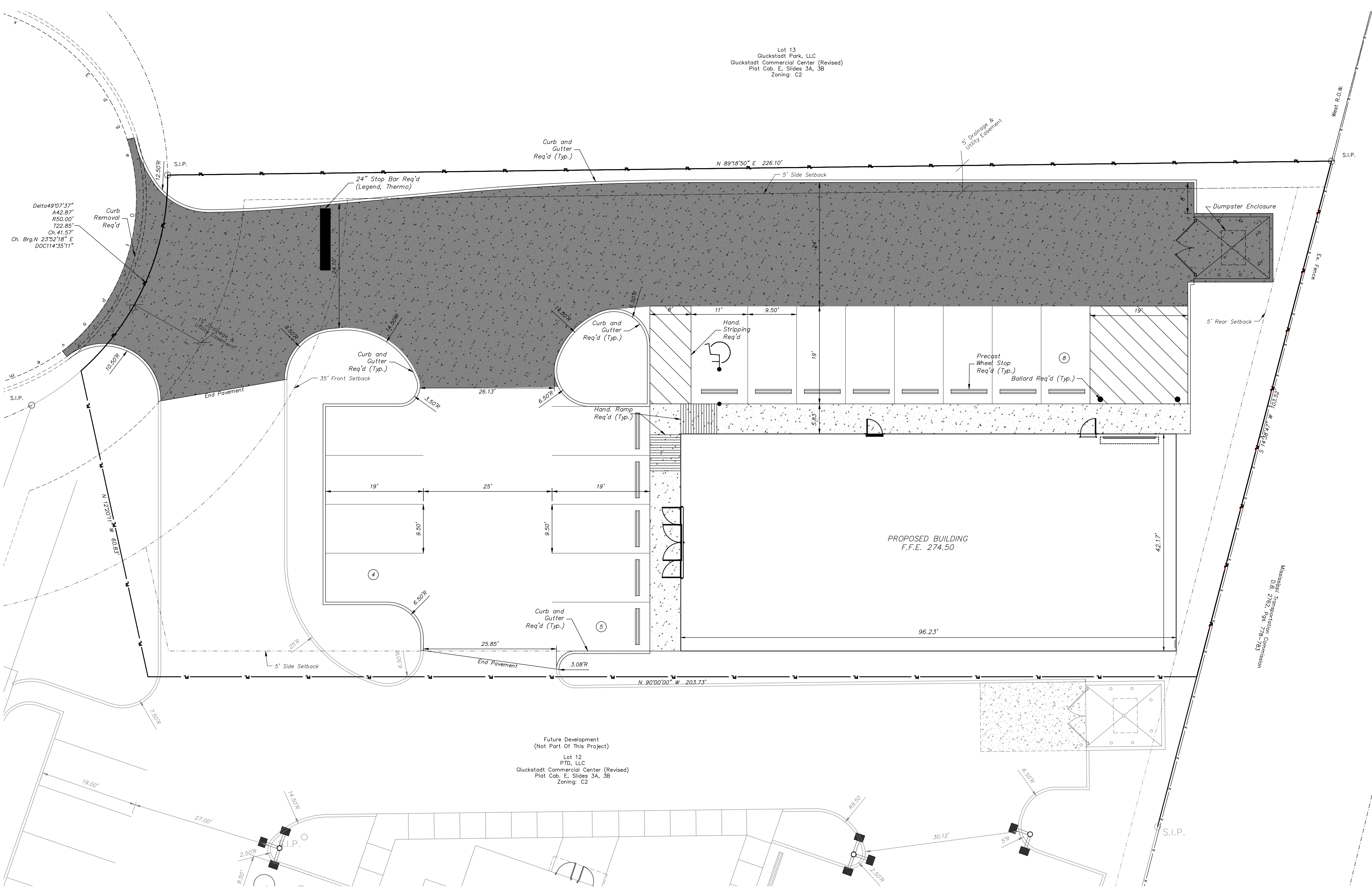
DATE: 07/22/21	DRAWN: KOR	REVISIONS:
CHECKED: GAB	SCALE: 1"=10'	
REF C/L:	EG SURFACE:	
	FG SURFACE:	

PROJECT LOCATION:
 DEEZ PLAZA, GLUCKSTADT
 CLIENT:
 RDM3, LLC
 440 NORTH LAMAR, SUITE 6, OXFORD, MS

PROJECT:
 SHERWIN WILLIAMS
 SHEET CONTENTS:
 SITE PLAN

SHEET NUMBER
 4 of 11
 PROJECT NUMBER
 B-8113

Lot 13
 Gluckstadt Park, LLC
 Gluckstadt Commercial Center (Revised)
 Plat C&B, E, Sides 3A, 3B
 Zoning: C2

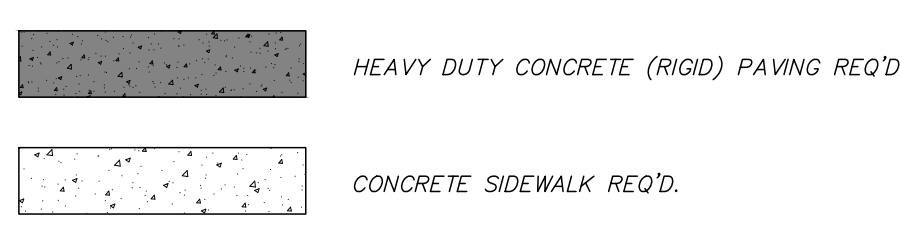


NOTE:

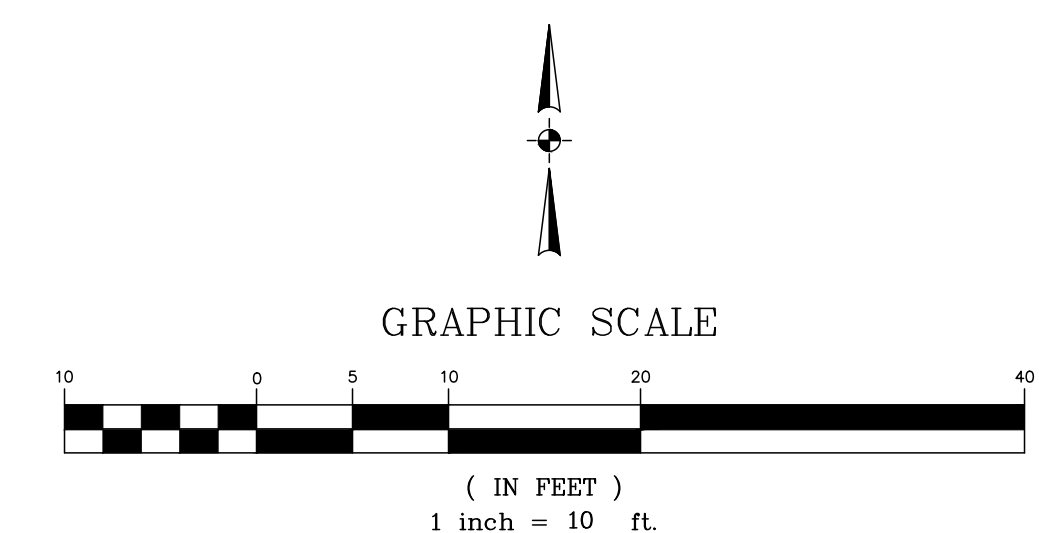
- SEE TYPICAL SECTIONS AND PROJECT SPECIFICATIONS FOR PAVING REQUIREMENTS.
- RADIAL DIMENSIONS ARE MEASURED FROM THE BACK OF CURB.
- PARKING LOT DIMENSIONS ARE TO THE FACE OF CURB.
- SEE ARCHITECTURAL PLANS FOR MORE DETAILS ON THE BUILDINGS AND DUMPSTER ENCLOSURE.
- ANY PAVING NOT DELINEATED AS A FORM OF CONCRETE OR HEAVY DUTY CONCRETE PAVING SHALL BE CONSIDERED LIGHT DUTY CONCRETE PAVING.
- PARKING SPACE STRIPING SHALL BE 4" MINIMUM WIDTH.
- ITEMS NOTED AS LEGEND STRIPING SHALL BE THERMOPLASTIC INSTALLED PER MDOT REQUIREMENTS FOR SIZE AND THICKNESS. ALL REMAINING STRIPING SHALL BE FAST DRYING SOLVENT BASED TRAFFIC PAINT FOR USE ON BITUMINOUS AND PORTLAND CEMENT CONCRETE PAVEMENT. PAINT SHALL MEET THE REQUIREMENTS OF SECTION 710 OF THE LATEST EDITION OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- IT IS THE OWNER'S RESPONSIBILITY TO OBTAIN PERMISSION TO PERFORM WORK ON ADJACENT PROPERTY FROM THE PROPERTY OWNERS SHOULD IT BE NECESSARY TO COMPLETELY INSTALL IMPROVEMENTS.
- PRIOR TO INSTALLATION OF CURB & GUTTER THE CONTRACTOR SHALL PROVIDE ENGINEER WITH A MARKED UP DRAWING SHOWING WHERE REVERSED GUTTER CURB IS PROPOSED FOR HIS REVIEW AND APPROVAL.

PROJECT SITE INFORMATION:

CURRENT ZONING - C-2, HIGHWAY COMMERCIAL DISTRICT
 MINIMUM SETBACK REQUIREMENTS:
 FRONT - 35'
 SIDE - 5'
 REAR - 5'
 APPROXIMATE PROJECT ACREAGE: ±0.50 AC
ACREAGE BREAKDOWN:
 PROPOSED BUILDING - 0.093 AC (4,058± S.F.), 18.6%
 PROPOSED SIDEWALKS - 0.020 AC (882± S.F.), 4%
 PROPOSED DRIVES/PARKING - 0.252 AC (10,977± S.F.), 50.4%
 GREEN AREA - 0.135 AC (5880± S.F.), 27%
 PARKING REQUIRED: 17 SPACES
 PARKING PROVIDED: 17 NEW SPACES, INCLUDING 1 HANDICAPPED



NOTE: ALL PAVING NOT NOTED AS ONE OF THE ABOVE SHALL BE CONSIDERED LIGHT DUTY CONCRETE

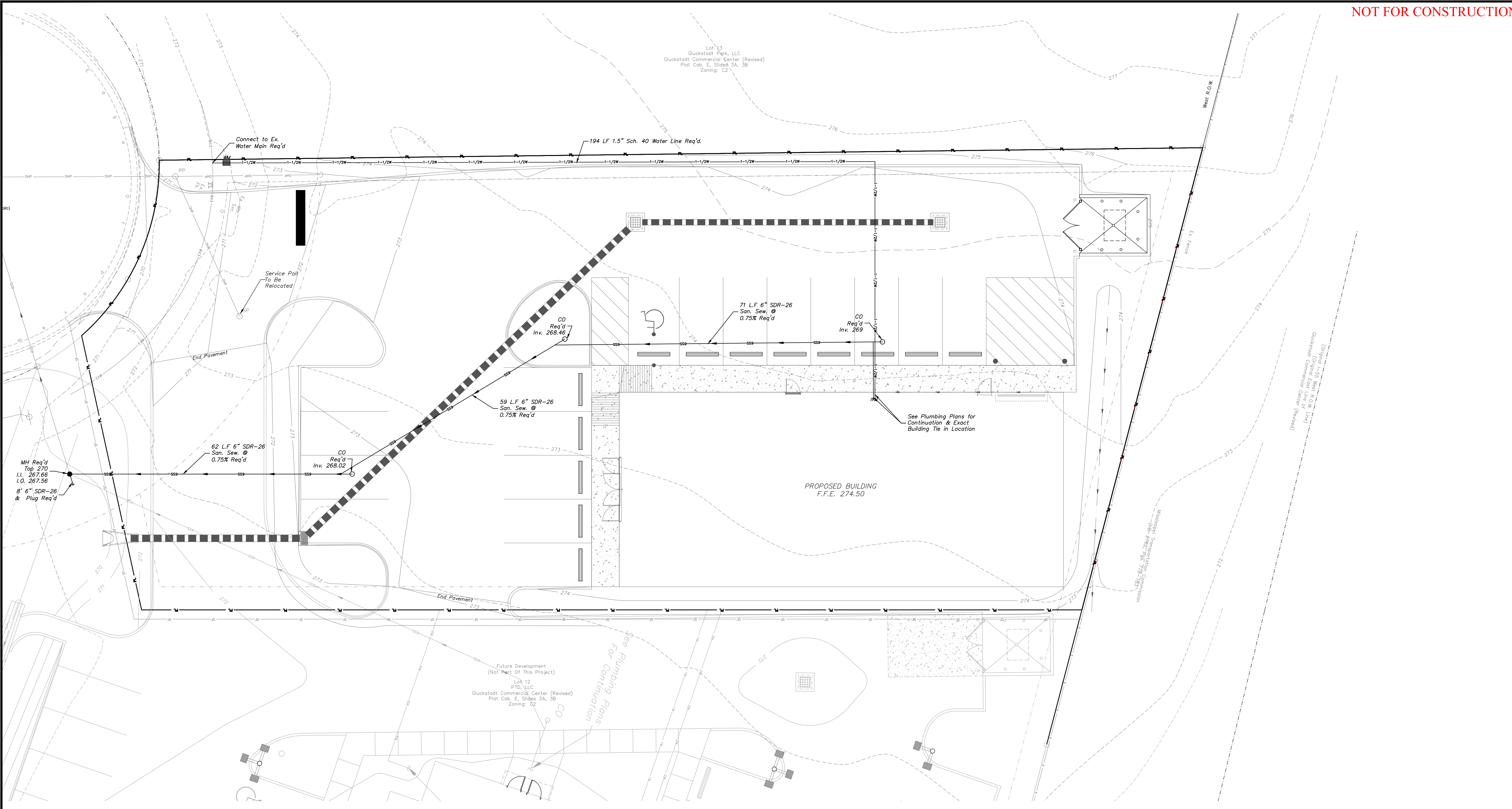


DATE: 07/22/21	DRAWN: KDR	REVISIONS:
CHECKED: GAB	SCALE: 1"=10'	
REF C/L:	EG SURFACE:	
	FG SURFACE:	

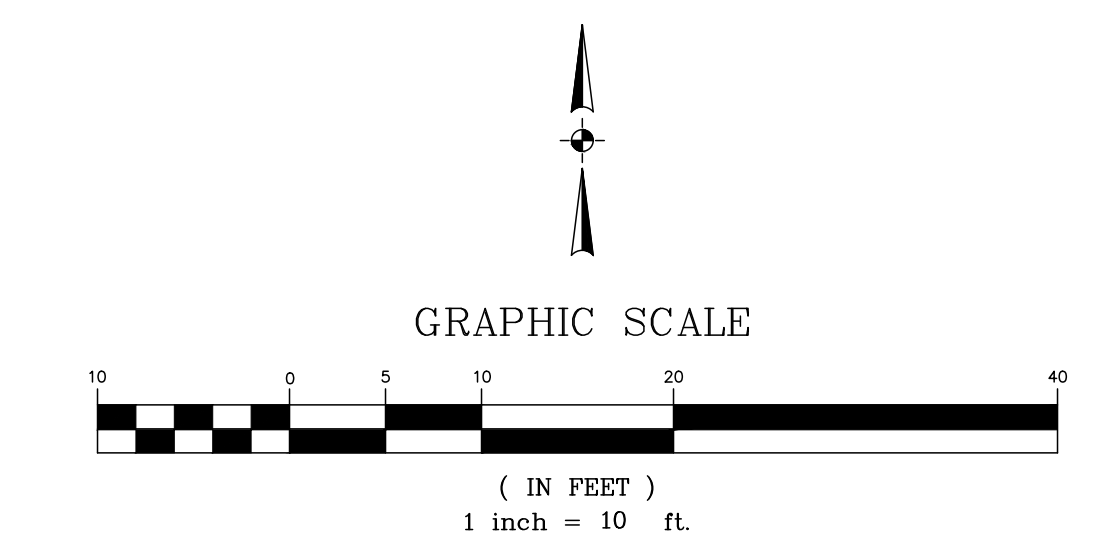
PROJECT LOCATION:
DEEZ PLAZA, GLUCKSTADT
 CLIENT:
RDM3, LLC
 440 NORTH LAMAR, SUITE 6, OXFORD, MS

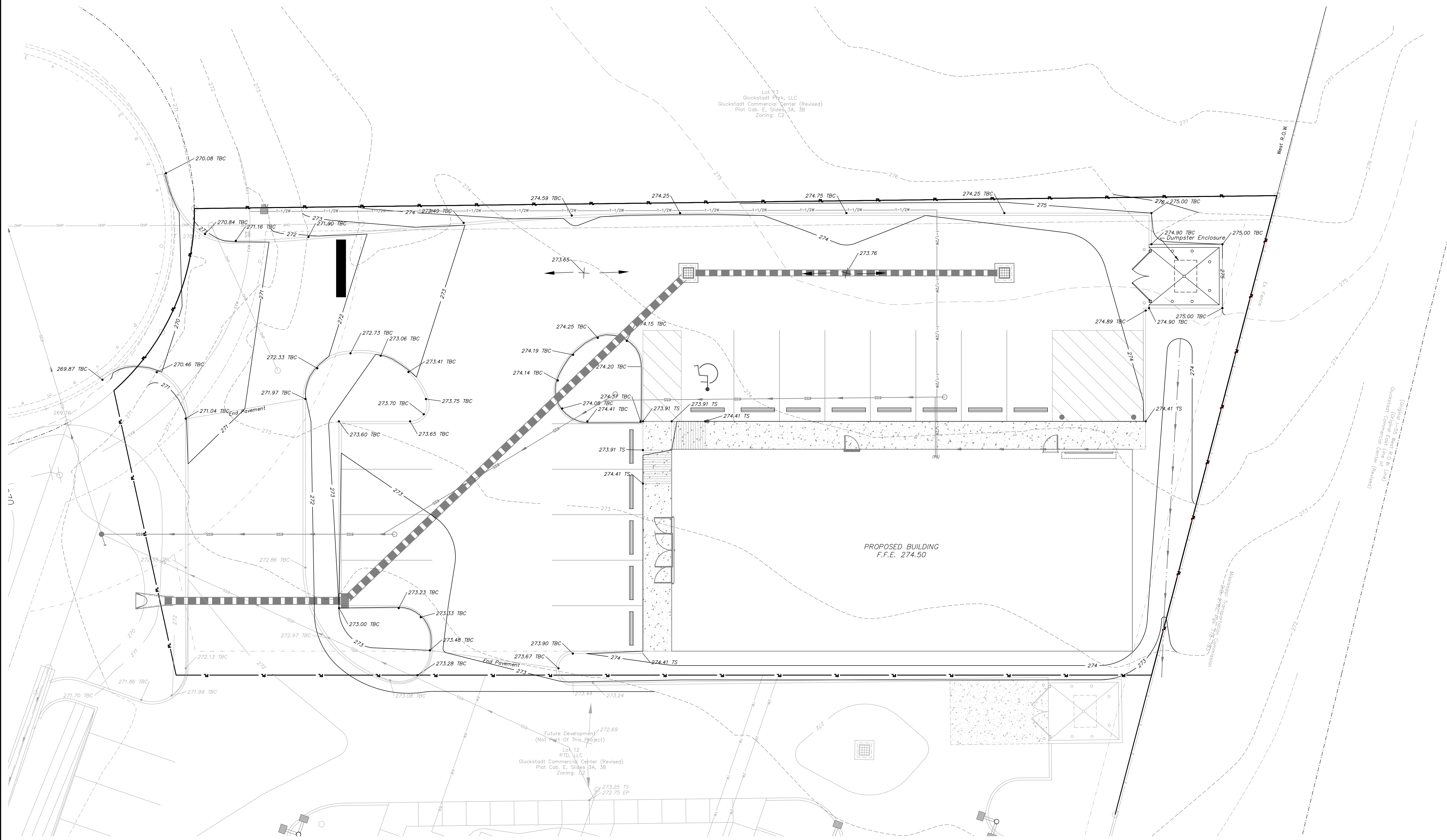
PROJECT:
SHERWIN WILLIAMS
 SHEET CONTENTS:
WATER & SEWER LAYOUT

SHEET NUMBER
5 of 11
 PROJECT NUMBER
B-8113

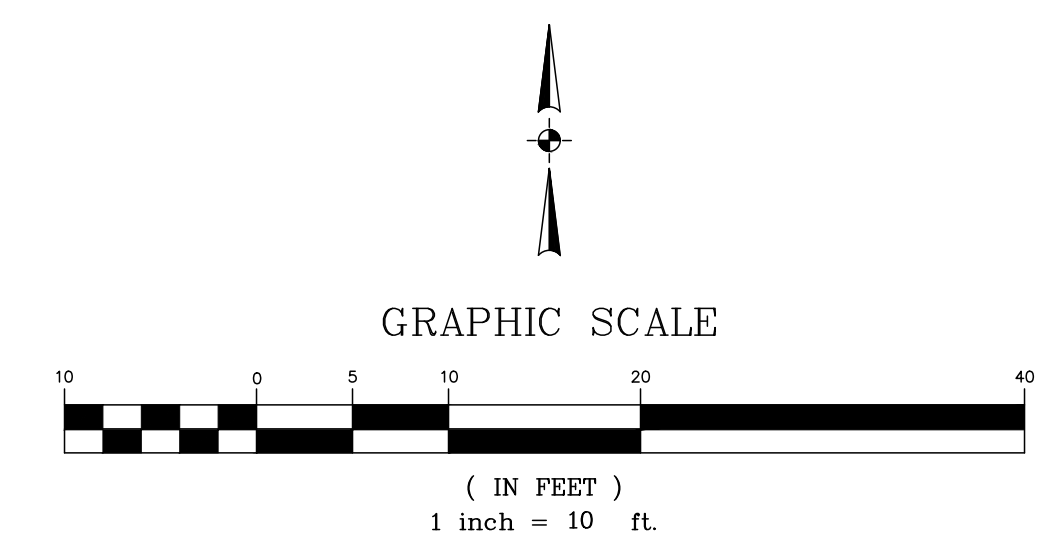


- NOTES:
- SEE NOTES ON SHEET 2, DETAIL DRAWINGS & PROJECT
 - ALL EXISTING UTILITIES ARE SHOWN AS THEY WERE MARKED BY OTHERS AND SHALL BE CONSIDERED APPROXIMATE. CONTRACTOR TO CONTACT MISSISSIPPI ONE CALL AT 811 FOR A LOCATE PRIOR TO BEGINNING CONSTRUCTION TO VERIFY LOCATIONS. CONTRACTOR SHALL POthOLE EXISTING UTILITY LINES IN AREAS WHERE PROPOSED UTILITIES (WATER, SEWER, STORM DRAIN) CROSS AND NOTIFY ENGINEER IMMEDIATELY IF CONFLICT IS DISCOVERED.
 - CONTRACTOR TO VERIFY EXISTING LOCATION AND ELEVATION OF ALL UTILITY INFRASTRUCTURE REQUIRED FOR COMPLETION OF THIS PROJECT IN FULL PRIOR TO BEGINNING ANY ASPECT OF CONSTRUCTION. THIS INCLUDES ALL ON-SITE AND OFF-SITE UTILITIES AS REQUIRED. SHOULD ANY DISCREPANCIES BE FOUND THEY SHALL BE IMMEDIATELY BROUGHT TO THE ENGINEER'S ATTENTION IN WRITING TO RECEIVE FURTHER INSTRUCTION.
 - CONTRACTOR SHALL COORDINATE ALL WORK DIRECTLY INVOLVING, CROSSING OR IN THE VICINITY OF AN EXISTING UTILITY LINE WITH UTILITY PROVIDER/OWNER.
 - WATER AND SANITARY SEWER LINES TO BE INSTALLED ACCORDING TO THE PROJECT DETAILS AND SPECIFICATIONS.
 - TRACER WIRE REQUIRED ON ALL NEW WATER LINES NO MATTER THE SIZE. ACCESS BOXES SHALL BE INSTALLED AS REQUIRED FOR CONTINUOUS CONDUCTIVITY IN WIRE FOR LOCATION PURPOSES AND NOTED ON THE DRAWINGS WHERE THEY WERE INSTALLED. CONTRACTOR SHALL PROVIDE ENGINEER WITH DRAWING SHOWING PROPOSED LOCATION OF ACCESS BOXES PRIOR TO INSTALLATION.
 - CONTRACTOR TO COMPARE THE PROPOSED SIZE AND PROPOSED BUILDING TIE-IN LOCATION OF ALL WATER AND SANITARY SEWER LINES WITH THE BUILDING/PLUMBING PLANS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER IN WRITING OF ANY DISCREPANCIES.
 - CONTRACTOR SHALL COORDINATE WATER SERVICE REQUIREMENTS WITH THE WATER ASSOCIATION AND PAY ALL FEES ASSOCIATED WITH SUCH.





- NOTES:
- SEE NOTES ON SHEET 2, DETAIL DRAWINGS & PROJECT SPECIFICATIONS FOR MORE DETAILED INFORMATION ON INSTALLATION REQUIREMENTS.
 - ALL EXISTING UTILITIES ARE SHOWN AS THEY WERE MARKED BY OTHERS AND SHALL BE CONSIDERED APPROXIMATE. CONTRACTOR TO CONTACT MISSISSIPPI ONE CALL AT 801-382-4374 FOR A LOCATE PRIOR TO BEGINNING CONSTRUCTION TO VERIFY LOCATIONS.
 - PRIOR TO BIDDING THE PROJECT THE CONTRACTOR SHALL POthOLE EXISTING UTILITY LINES IN AREAS WHERE PROPOSED UTILITIES (WATER, SEWER, STORM DRAIN) OR DRAINAGE SWALES ARE PROPOSED TO CROSS AND NOTIFY ENGINEER IMMEDIATELY IF CONFLICT IS DISCOVERED.
 - SLOPES THAT ARE GREATER THAN 3:1 SHALL RECEIVE SOLID SOD UNLESS OTHERWISE NOTED.
 - ALL DISTURBED AREAS THAT ARE OUTSIDE THE PROJECT SCOPE/LIMITS SHALL BE REPAIRED TO AS GOOD AS THE ORIGINAL CONDITION OR BETTER AT THE CONTRACTOR'S EXPENSE. PICTURE DOCUMENTATION OF THESE AREAS SHALL BE PROVIDED BY THE CONTRACTOR PRIOR TO DISTURBING TO SERVE AS PROOF OF THE PRE-EXISTING CONDITION.
 - MAINTAIN SLOPE IN HANDICAPPED STALLS AT 1.5% MAXIMUM.
 - PRIOR TO INSTALLATION OF ANY PORTION OF THE CURB AND GUTTER THE CONTRACTOR SHALL PROVIDE ENGINEER WITH A MARKED UP DRAWING SHOWING WHERE REVERSED GUTTER CURB IS PROPOSED FOR HIS REVIEW AND APPROVAL.

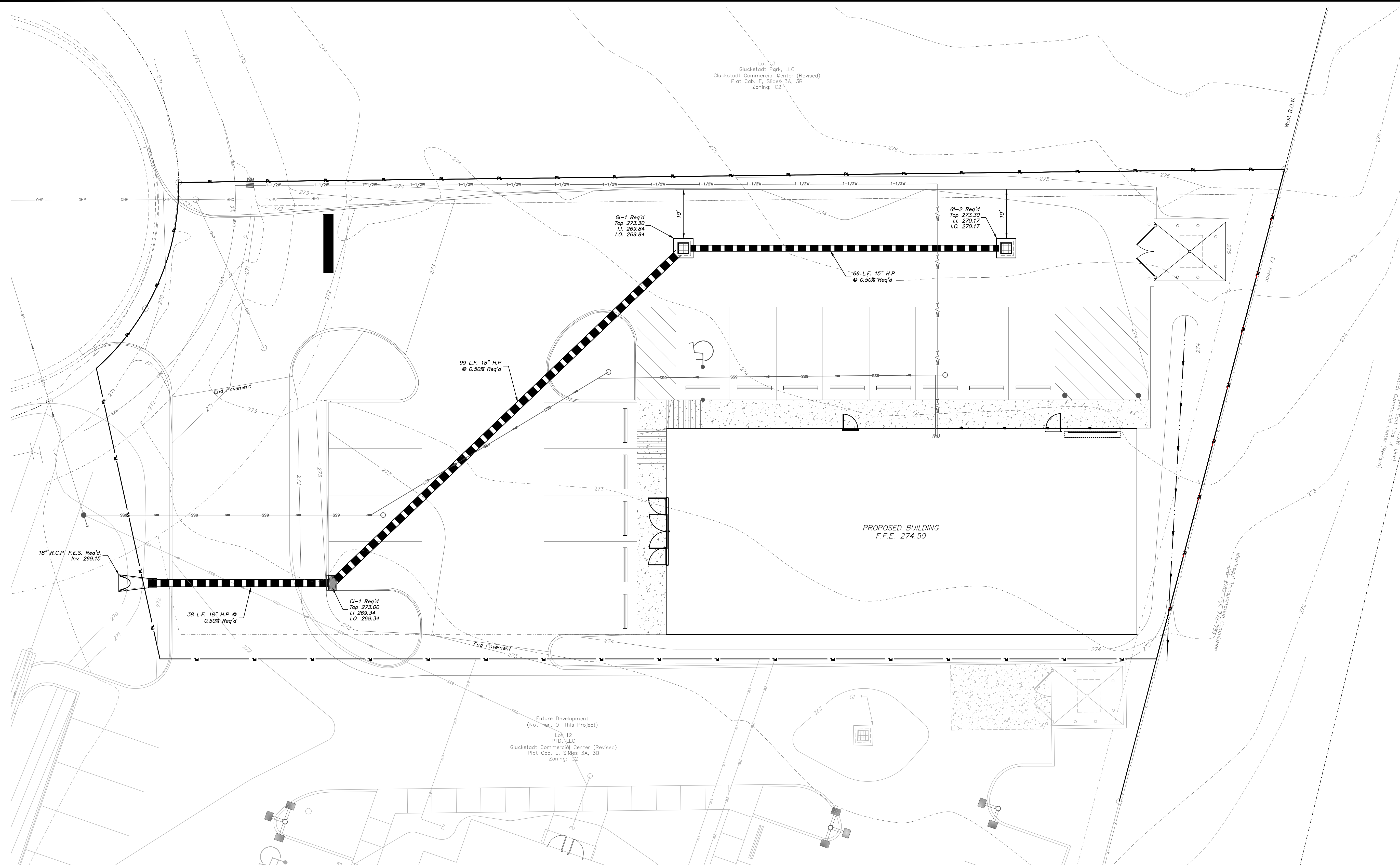


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REF C/L:	EG SURFACE:	
	FG SURFACE:	

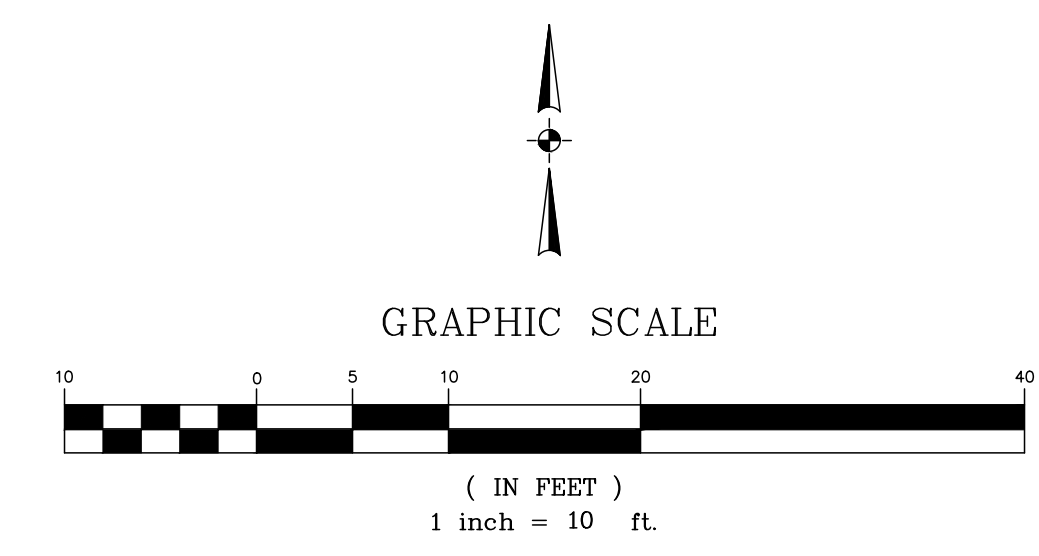
PROJECT LOCATION: DEEZ PLAZA, GLUCKSTADT
 CLIENT: RDM3 LLC
 440 NORTH LAMAR, SUITE 6, OXFORD, MS

PROJECT: SHERWIN WILLIAMS
 SHEET CONTENTS: GRADING PLAN

SHEET NUMBER: 6 of 11
 PROJECT NUMBER: B-8113



- NOTES:
- SEE NOTES ON STORM DRAIN DETAILS & PROJECT SPECIFICATIONS FOR MORE DETAILED INFORMATION ON INSTALLATION REQUIREMENTS.
 - ALL EXISTING UTILITIES ARE SHOWN AS THEY WERE MARKED BY OTHERS AND SHALL BE CONSIDERED APPROXIMATE. CONTRACTOR TO CONTACT MISSISSIPPI ONE CALL AT 601-362-4374 FOR A LOCATE PRIOR TO BEGINNING CONSTRUCTION TO VERIFY LOCATIONS. CONTRACTOR SHALL POTHOLE EXISTING UTILITY LINES IN AREAS WHERE PROPOSED UTILITIES (WATER, SEWER, STORM DRAIN) CROSS AND NOTIFY ENGINEER IMMEDIATELY IF CONFLICT IS DISCOVERED.
 - NOT ALL UTILITY INFRASTRUCTURE REQUIRED OF THIS PROJECT IS SHOWN ON THIS SHEET FOR CLARITY PURPOSES. CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE CONTRACT DRAWINGS AND ALL THAT IS REQUIRED OF THEM.
 - INVERT ELEVATIONS SHOWN ON THE PLANS FOR THE STORM DRAIN STRUCTURES AND CULVERTS REPRESENT THE FLOW LINE. CONTRACTOR TO ACCOUNT FOR PIPE OR STRUCTURE THICKNESS WHEN INSTALLING.
 - THIS PARCEL IS LOCATED IN FLOOD ZONE X (NOT SHADED) ACCORDING TO FLOOD INSURANCE RATE MAP NO. 28089C0415F, COMMUNITY PANEL NO. 280228 0415 F, EFFECTIVE DATE: MARCH 17, 2010.
 - CURB INLETS SHALL BE NYOPLAST BASINS WITH 2'X3' DIAGONAL FRAME & GRATE.
 - GRATE INLETS (GI-1 & GI-2) ARE PROPOSED TO BE NYOPLAST INLETS WITH 2'X2' HEAVY DUTY FRAME AND GRATE AND SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS FOR PROPOSED APPLICATIONS. PRECAST OR POURED IN PLACE STRUCTURES ARE ALLOWED BUT SHALL BE AT NO EXTRA COST TO THE OWNER.
 - IT IS INTENDED THAT ALL GRATE INLETS BE SURROUNDED WITH AN 18" WIDE X 6" THICK CONCRETE APRON. THE CORNERS OF THE APRON SHALL BE 0.05'-0.10' HIGHER THAN THE INLET TOP.
 - SLOPES THAT ARE GREATER THAN 3:1 SHALL RECEIVE SOLID SOD UNLESS OTHERWISE NOTED.
 - ALL DISTURBED AREAS ARE TO BE REPAIRED TO AS GOOD AS THE ORIGINAL CONDITION OR BETTER. PICTURE DOCUMENTATION OF THESE AREAS SHALL BE PROVIDED BY THE CONTRACTOR PRIOR TO DISTURBING.
 - ALL 4" H.P. STORM SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS FOR PROPOSED APPLICATION.



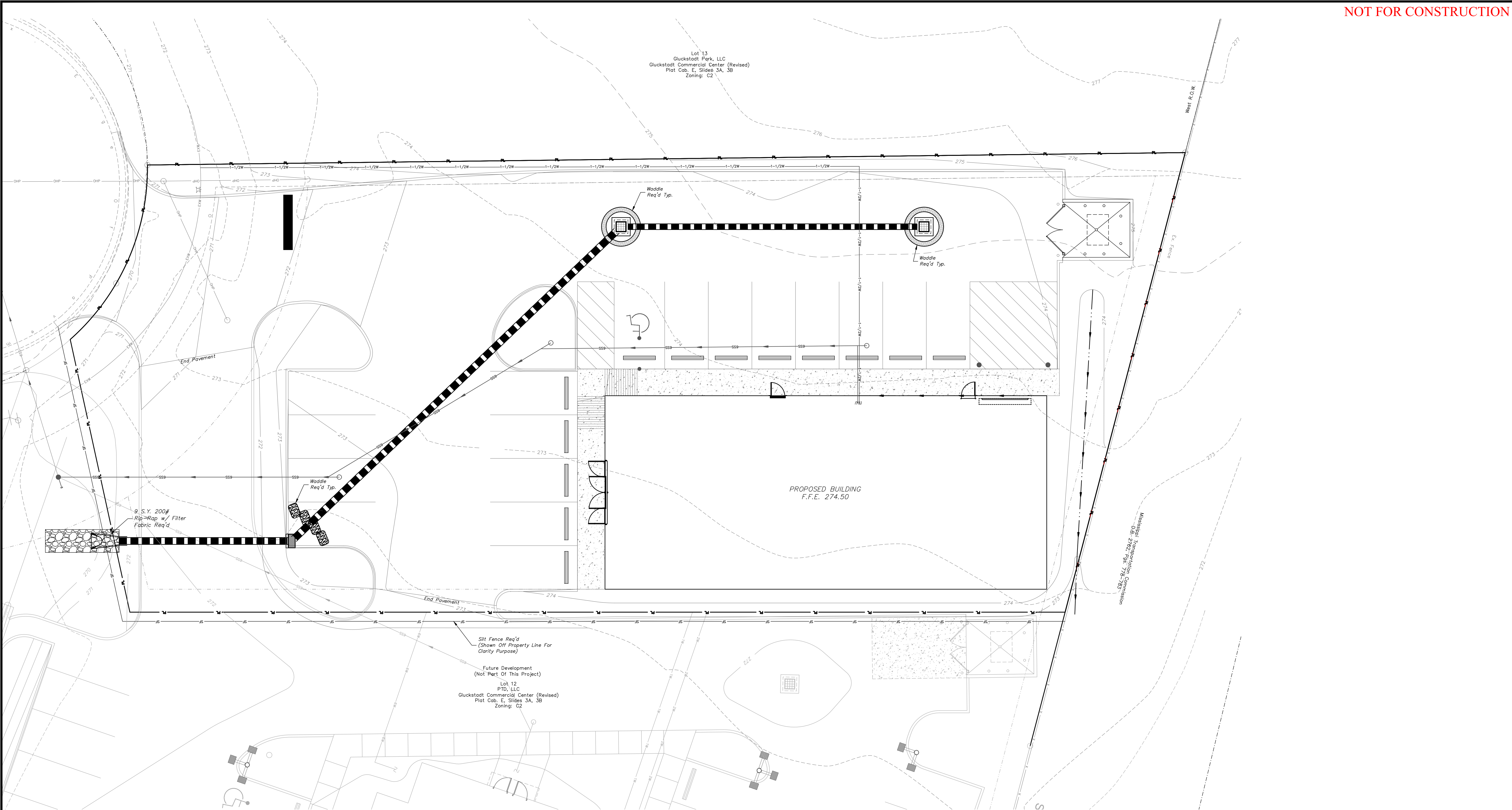
BENCHMARK
ENGINEERING & SURVEYING, LLC
 101 Highpointe Court, Suite B
 Flowery Branch, GA 30622
 601-581-1877
 www.benchmarkme.net

DATE: 07/22/21	DRAWN: KOR	REVISIONS:
CHECKED: GAB	SCALE: 1"=10'	
REF C/L:	EG SURFACE:	
	FG SURFACE:	

PROJECT LOCATION: DEEZ PLAZA, GLUCKSTADT
 CLIENT: RDM3, LLC
 440 NORTH LAMAR, SUITE 6, OXFORD, MS

PROJECT: SHERWIN WILLIAMS
 SHEET CONTENTS: STORM DRAINAGE LAYOUT

SHEET NUMBER
7 of 11
 PROJECT NUMBER
B-8113

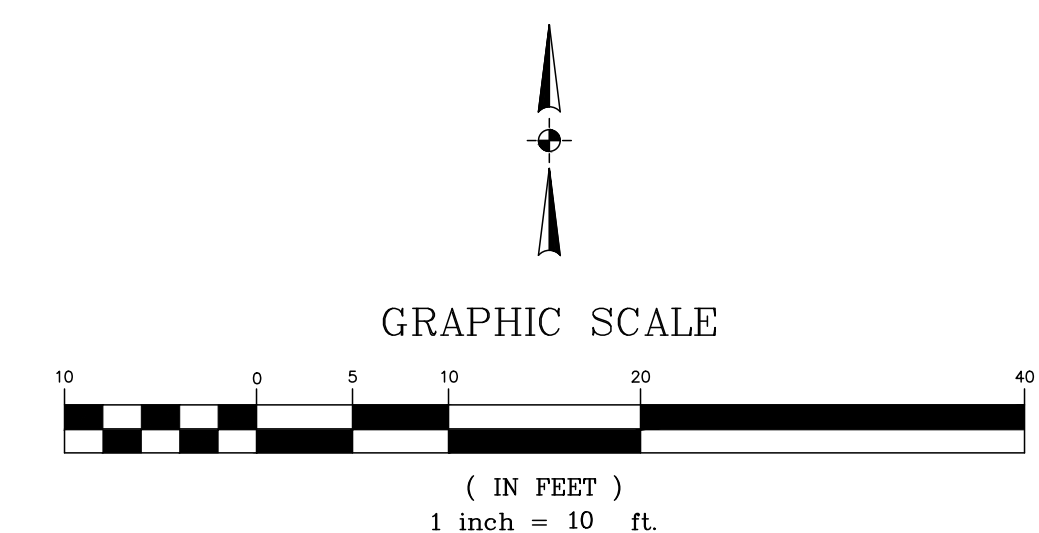


EROSION CONTROL NOTES:

1. ALL DISTURBED AREAS SHALL BE TREATED WITH PERMANENT SEED & MULCH ONCE SUCH HAS REACHED FINAL GRADE. IT IS INTENDED THAT COMMON BERMUDA BE THE SPECIES PLANTED FOR THIS PURPOSE. SHOULD THE CONSTRUCTION SCHEDULE NOT BE CONDUCTIVE TO PLANTING BERMUDA PER SPECIFICATIONS, THEN THE CONTRACTOR SHALL SUBMIT AN ALTERNATE SPECIES FOR APPROVAL.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COPY OF THE SMALL CONSTRUCTION NOTICE OF INTENT (SCNOI) AND FILL IN THE PRIME CONTRACTOR'S INFORMATION AND SEND IN TO MDEQ AND PROVIDE A COPY TO ENGINEER. A COPY OF THE SCNOI MUST BE KEPT READILY AVAILABLE AT THE JOB SITE. ALL REQUIREMENTS OF THE SCNOI ARE THE CONTRACTOR'S RESPONSIBILITY INCLUDING BUT NOT LIMITED TO ALL REQUIRED INSPECTIONS, WEEKLY REPORTS AND MAINTENANCE OF THE SITE.
3. S.C.N.O.I. COVERAGE SHALL BE TRANSFERRED TO SITE PROJECT CONTRACTOR ONCE PROJECT IS AWARDED. SUCH COVERAGE SHALL THEN BE TRANSFERRED TO GENERAL CONTRACTOR ONCE SITE PACKAGE REQUIREMENTS HAVE BEEN COMPLETED. THIS IS THE CONTRACTOR'S RESPONSIBILITY AND COPIES OF SUCH SHALL BE PROVIDED TO ENGINEER AND OWNER.
4. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IMPLEMENTED PRIOR TO STARTING ANY CONSTRUCTION ACTIVITIES THAT DISTURB EXISTING GROUND.
5. CONTRACTOR IS TO EVALUATE ALL STORM WATER MANAGEMENT CONTROLS A MINIMUM OF ONCE PER WEEK AND AFTER RAINFALL EVENTS TO DETERMINE EFFECTIVENESS OF THE EROSION AND SILTATION CONTROL MEASURES. ADDITIONAL MEASURES TO BE INSTALLED AS NEEDED TO CONTROL SEDIMENT (ABSORBED). INSPECTION REPORTS TO BE FILLED OUT ONCE PER WEEK NOTING ALL ACTIONS (IF ANY) REQUIRED.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN AND REPAIR ALL TEMPORARY EROSION CONTROL MEASURES THROUGHOUT CONSTRUCTION. NO SEPARATE PAYMENT SHALL BE MADE FOR MAINTENANCE OR REPLACEMENT OF ANY TEMPORARY EROSION CONTROL MEASURES.
7. TEMPORARY EROSION CONTROL MEASURES DEPICTED ON THIS DRAWING ARE MINIMUM REQUIREMENTS TO BE UTILIZED IN DEVELOPMENT OF THE SITE-SPECIFIC STORMWATER POLLUTION PREVENTION PLAN AND ARE NOT MEANT TO ADDRESS ALL OF THE REQUIREMENTS OF THE CONSTRUCTION GENERAL PERMIT.
8. IT IS THE INTENT OF THE SPECIFICATIONS THAT THE WORK SHALL PROCEED IN A MANNER AND SEQUENCE TO ENSURE THAT ESTABLISHMENT OF PERMANENT EROSION CONTROL ITEMS ARE ACCOMPLISHED IMMEDIATELY AFTER FINISH GRADING.
9. EFFECTIVE USE OF TEMPORARY MEASURES, INCLUDING SEDIMENT BASINS, TEMPORARY SEEDING, ETC. SHALL BE MADE SO AS TO PREVENT OR MINIMIZE EROSION AND SILTATION UNTIL PERMANENT MEASURES ARE ESTABLISHED.
10. CONTRACTOR TO CONTACT MISSISSIPPI ONE CALL @ 811 AT LEAST 48 HOURS BEFORE IMPROVEMENTS ARE MADE.
11. CONTRACTOR SHALL BE REQUIRED TO FURNISH ALL MATERIALS AND PERFORM ALL WORK FOR THE PROPER INSTALLATION, MAINTENANCE, AND REMOVAL OF TEMPORARY EROSION CONTROL MEASURES TO CONTROL SILTATION.
12. SEE THE EROSION CONTROL DETAIL SHEET FOR MORE DETAIL ON THE INSTALLATION OF THE REQUIRED EROSION CONTROL MEASURES.
13. ONCE THE PERMANENT EROSION CONTROL MEASURES ARE IN PLACE A FINAL SITE INSPECTION IS TO BE COORDINATED BY THE CONTRACTOR WITH THE ENGINEER AND THE OWNER. ONCE SITE MEETS ALL PARTIES SPECIFICATIONS THE CONTRACTOR WILL BE RELIEVED OF THE RESPONSIBILITIES OF THIS CONTRACT.
14. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE EROSION CONTROL MEASURES SHOULD, TO THE EXTENT PRACTICABLE:
 - A. DIVERT UP-SLOPE WATER AROUND DISTURBED AREAS OF THE SITE
 - B. LIMIT THE EXPOSURE OF DISTURBED AREAS TO THE SHORTEST AMOUNT OF TIME POSSIBLE
 - C. MINIMIZE THE AMOUNT OF SURFACE AREA THAT MUST BE DISTURBED
 - D. IMPLEMENT BEST MANAGEMENT PRACTICES TO MITIGATE ADVERSE IMPACTS FROM STORM WATER RUNOFF
 - E. REMOVE SEDIMENT THAT WOULD CONTRIBUTE TO OR CAUSE ADVERSE IMPACTS TO STATE WATERS FROM STORM WATER BEFORE IT LEAVES THE SITE

CONSTRUCTION & EROSION CONTROL SEQUENCE SCHEDULE

- THE SCHEDULE LAID OUT BELOW IS TO PROVIDE CLARIFICATION TO THE CONTRACTOR ON THE INTENDED ORDER OF CONSTRUCTION IN CONJUNCTION WITH THE REQUIRED EROSION CONTROL MEASURES OF THIS PROJECT AS SHOWN ON THIS SHEET AND OTHER CONTRACT DOCUMENTS.
1. INSTALL TEMPORARY CONSTRUCTION ENTRANCE.
 2. INSTALL SANITARY FACILITIES AND TRASH CONTAINERS.
 3. SET UP EQUIPMENT AND MATERIALS STAGING AREA IF NEEDED BY THE CONTRACTOR FOR PROJECT.
 4. INSTALL SILT FENCING ALONG THE DOWNSTREAM BOUNDARY OF ANY AREAS THAT WILL BE DISTURBED.
 5. BEGIN GRADING OPERATIONS TO GET THE PROJECT SITE TO ROUGH GRADE. PLACE ADDITIONAL TEMPORARY MEASURES AS REQUIRED DURING THE GRADING OPERATIONS TO CONTROL RUNOFF.
 6. BEGIN INSTALLING SITE IMPROVEMENTS SUCH AS STORM DRAIN, WATER SERVICES, ETC.
 7. COMPLETE BUILDING PAD AND BEGIN PAVING OPERATIONS.
 8. FINE GRADE THE REMAINDER OF THE DISTURBED AREAS OF THE SITE.
 9. STABILIZE THE PROJECT SITE WITH PERMANENT SEED & MULCH AND INSTALL ANY OTHER PERMANENT EROSION CONTROL MEASURES THAT MAY NOT BE IN PLACE.
 10. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES IN DRAINAGE BASINS ONCE IMPROVEMENTS REQ'D. IN THESE PLANS HAS BEEN COMPLETED AND AREAS DISTURBED DURING INSTALLATION OF SUCH HAS BEEN STABILIZED WITHIN SAID BASIN WITH 90% VEGETATIVE COVER.

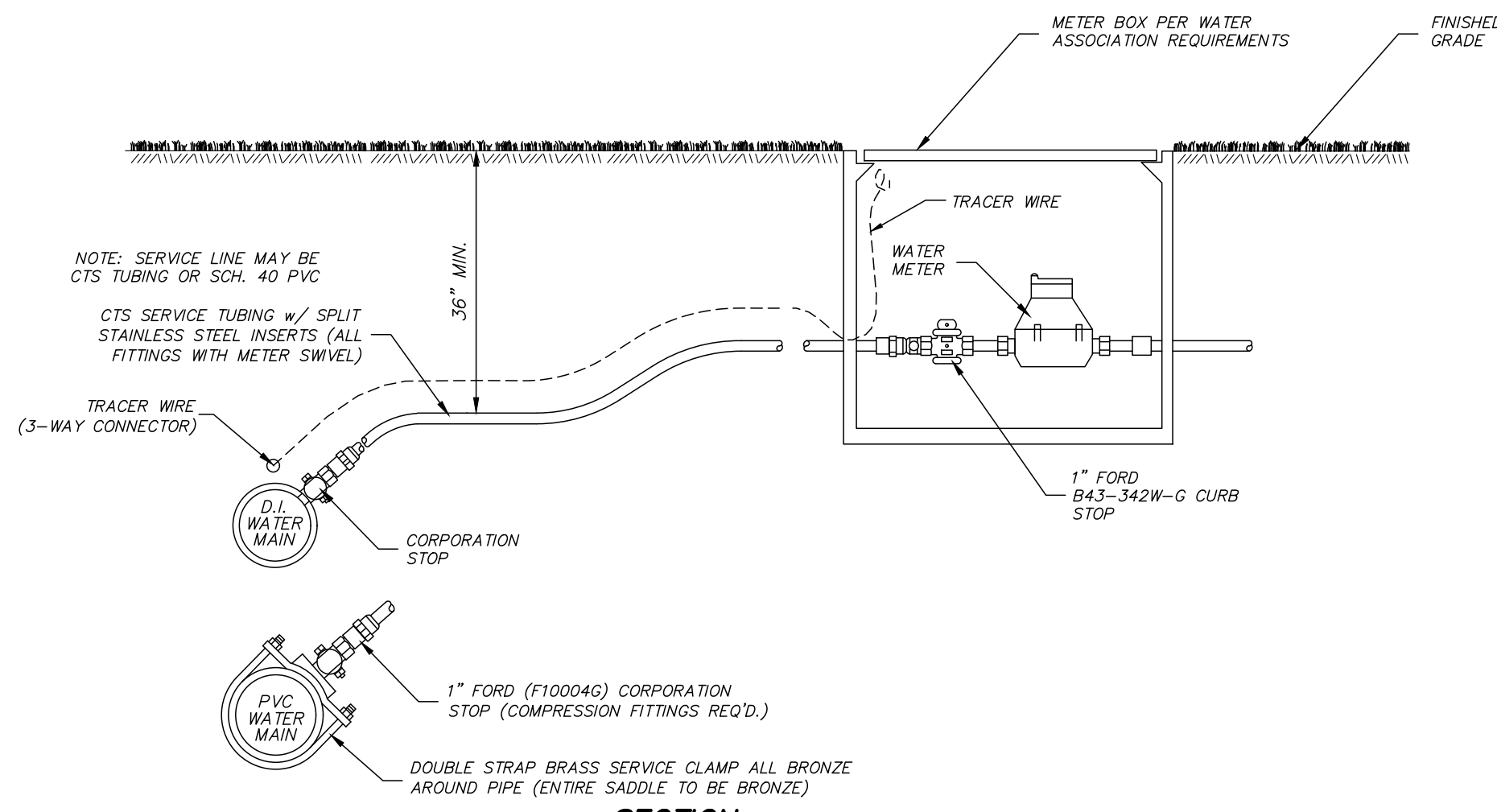


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CHECKED:	GAB	SCALE:	1"=10'	
REF C/L:		EG SURFACE:		
		FG SURFACE:		

PROJECT LOCATION:
 DEEZ PLAZA, GLUCKSTADT
 CLIENT:
 RDM3, LLC
 440 NORTH LAMAR, SUITE 6, OXFORD, MS

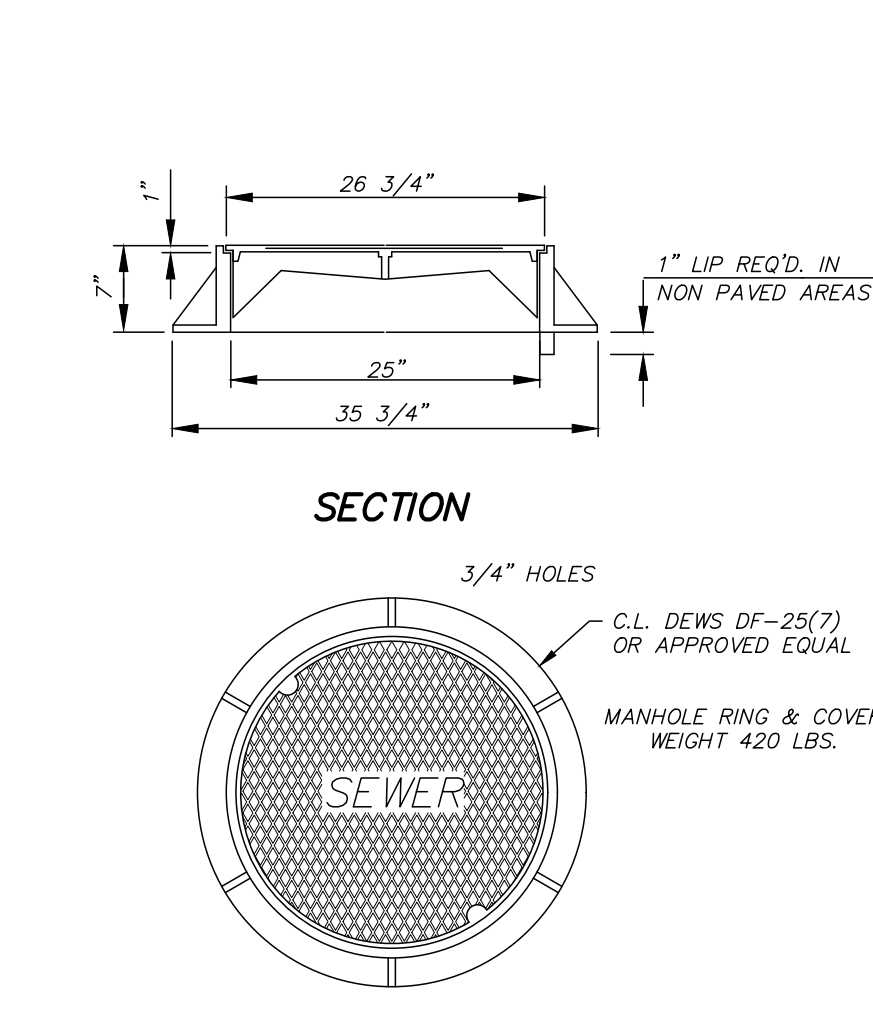
PROJECT:
 SHERWIN WILLIAMS
 SHEET CONTENTS:
 EROSION CONTROL LAYOUT

SHEET NUMBER
 8 of 11
 PROJECT NUMBER
 B-8113

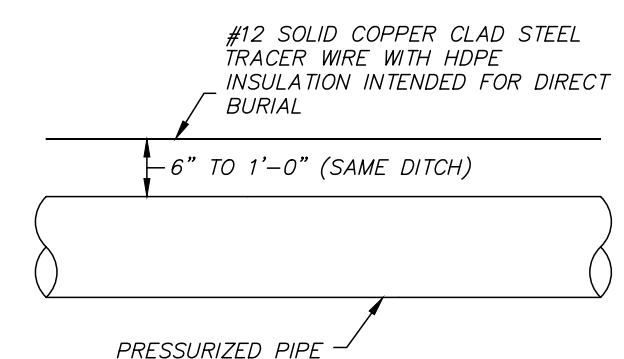


- NOTE: SERVICE LINE MAY BE CTS TUBING OR SCH. 40 PVC
- CTS SERVICE TUBING w/ SPLIT STAINLESS STEEL INSERTS (ALL FITTINGS WITH METAL SWIVEL)
- TRACER WIRE (3-WAY CONNECTOR)
- 1" WATER MAIN
- CORPORATION STOP
- 1" FORD B43-342W-G CURB STOP
- 1" FORD (F10004G) CORPORATION STOP (COMPRESSION FITTINGS REQ'D.)
- PVC WATER MAIN
- DOUBLE STRAP BRASS SERVICE CLAMP ALL BRONZE AROUND PIPE (ENTIRE SADDLE TO BE BRONZE)

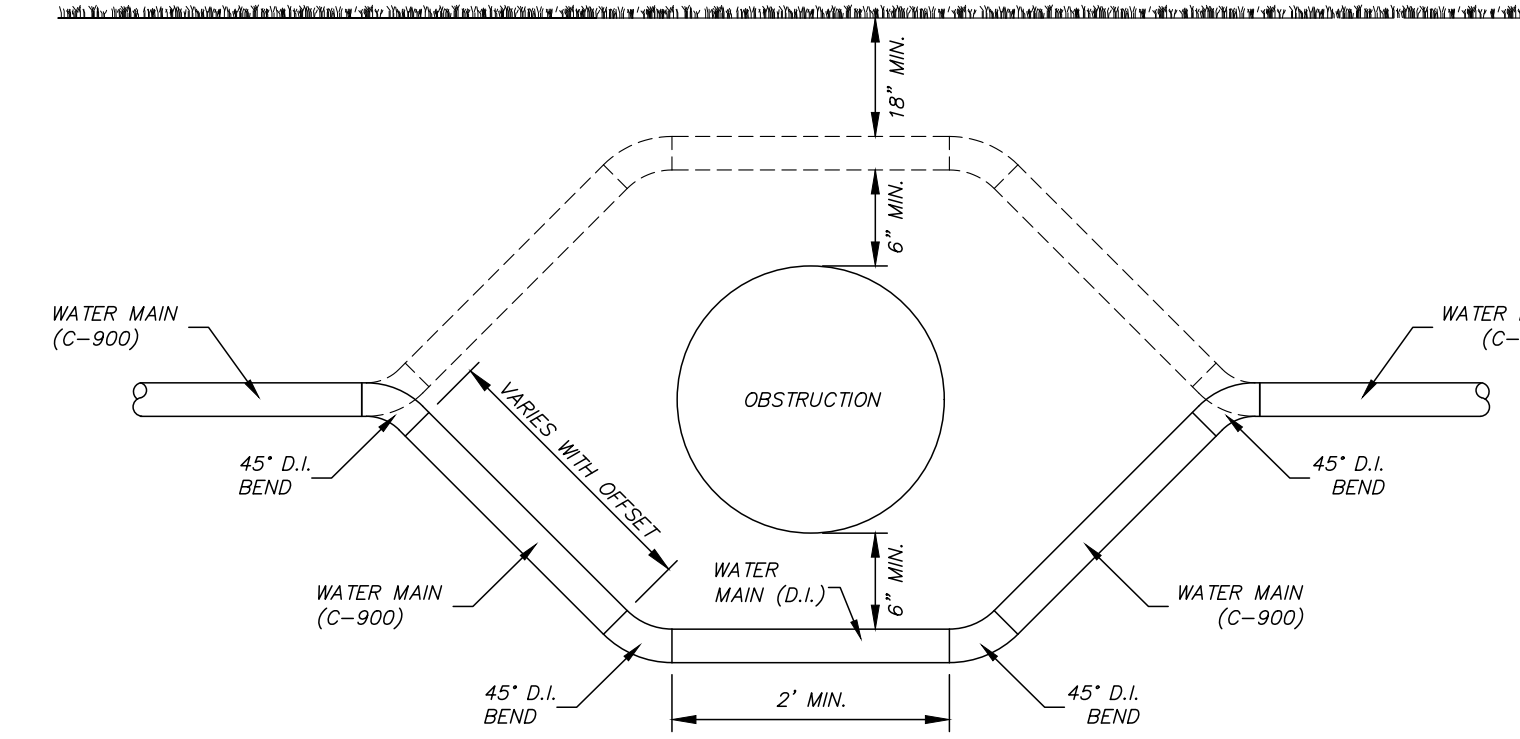
TYPICAL WATER SERVICE ASSEMBLY
N.T.S.



SECTION
TOP PLAN OF COVER
STANDARD MANHOLE RING AND COVER
N.T.S.

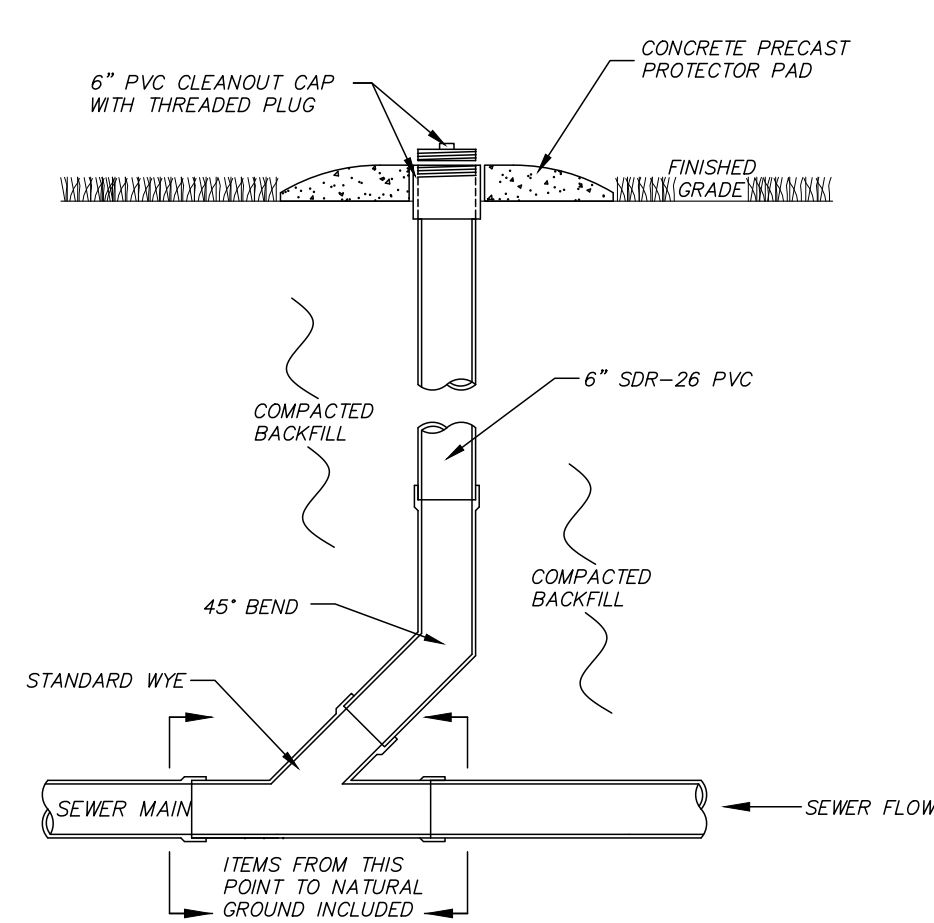


- TRACER WIRE NOTE:
- TRACER WIRE SHALL BE ABSORBED IN THE PER FOOT COST OF THE PRESSURIZED LINE.
 - TRACER WIRE COLOR SHALL BE BLUE FOR WATER CONSTRUCTION AND GREEN FOR WASTEWATER CONSTRUCTION.
 - ALL TRACER WIRE SHALL BE INSTALLED AS A COMPLETE SYSTEM, COMPLETE WITH CONNECTORS, MAGNESIUM ANODE GROUND RODS, AND TERMINAL STATIONS AT EACH FIRE HYDRANT, WATER VALVE, AND TERMINATION LOCATIONS.
 - TRACER WIRE SHALL BE COPPERHEAD 1230-HS OR APPROVED EQUAL BY CITY/WATER ASSOCIATION.
 - ALL ACCESSORIES SHALL BE COPPERHEAD OR APPROVED EQUAL BY CITY/WATER ASSOCIATION.
 - TRACER WIRE WILL BE TESTED BY CITY/WATER ASSOCIATION AND ALL AREAS NOT ABLE TO BE LOCATED USING TYPICAL LOW FREQUENCY LINE TRACING EQUIPMENT SHALL BE REPAIRED BY CONTRACTOR PRIOR TO ACCEPTANCE.
- TRACER WIRE DETAIL**
(REQUIRED ON ALL PRESSURIZED PVC LINES)

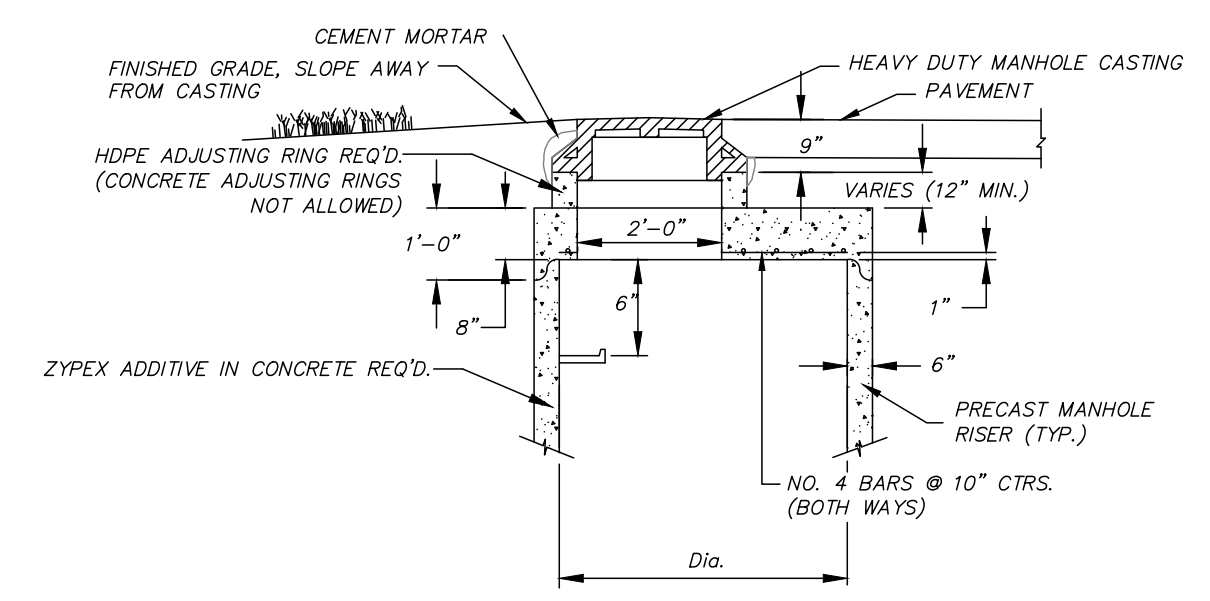


- WATER LINE OBSTRUCTION NOTES:
- CONTRACTOR TO FOLLOW CLEARANCE REQUIREMENTS IN THE SPECIFICATIONS FOR WATER, STORM DRAIN AND SANITARY SEWER LINE CROSSINGS. WHEN THE WATER LINE MUST CROSS UNDER THE OBSTRUCTION THE PIPE SHALL BE DUCTILE IRON, CASED WITH STEEL CASING, OR FULLY ENCASED WITH CONCRETE.
 - WATER LINE TO PASS OVER OBSTRUCTION IF CLEARANCE REQUIREMENTS CAN BE MET.
 - CONTRACTOR TO FOLLOW REQUIREMENTS IN THE SPECIFICATIONS FOR THE PIPE FITTINGS REQUIRED TO DODGE OBSTRUCTION.
 - SAME SPECIFICATIONS APPLY FOR SANITARY SEWER FORCE MAIN OBSTRUCTIONS.
 - WORK & MATERIALS REQUIRED FOR WATER LINE OBSTRUCTION SHALL BE AN ABSORBED COST.

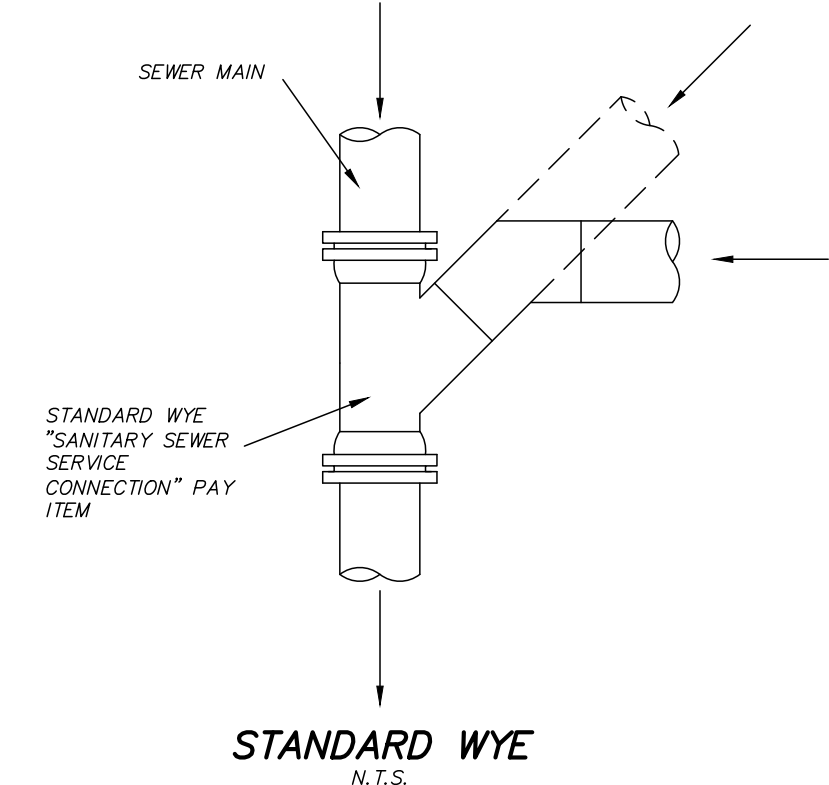
TYPICAL WATER LINE OBSTRUCTION DETAIL



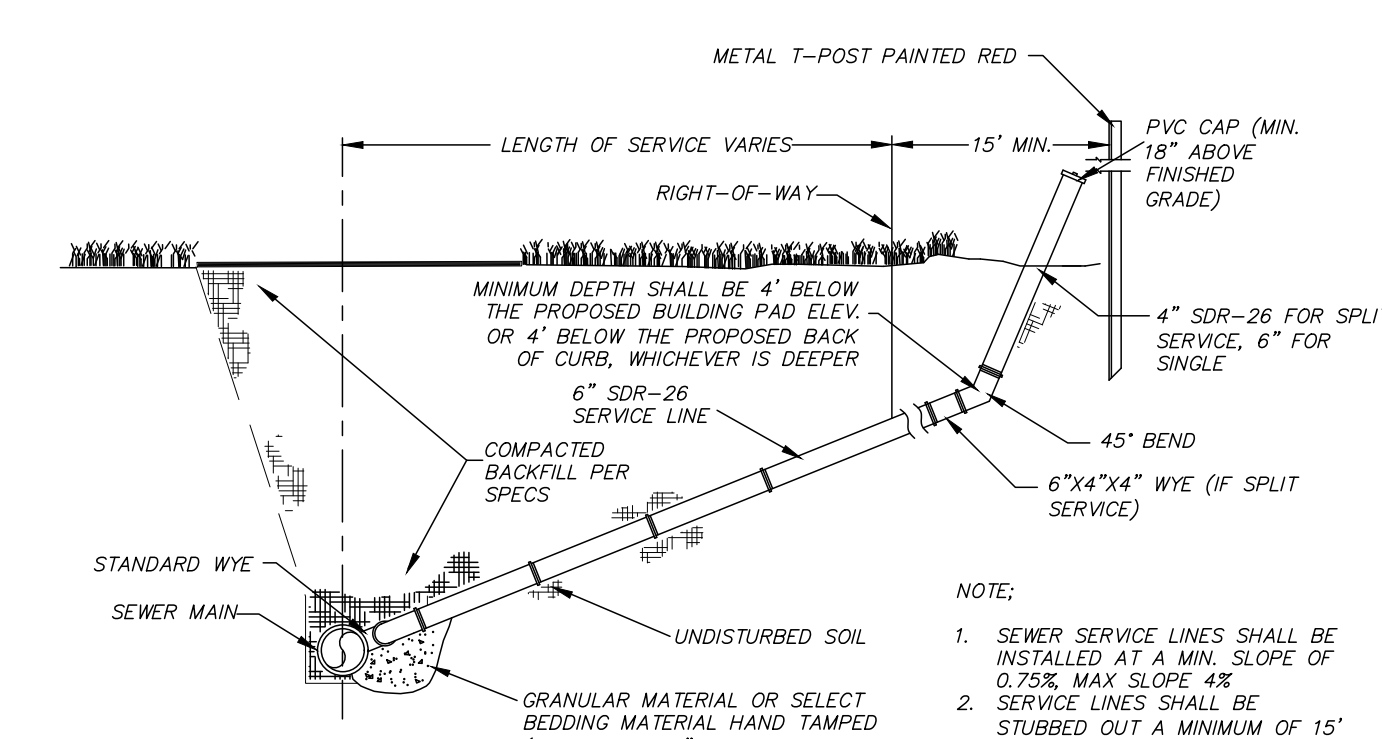
INLINE CLEANOUT - GRASSED AREA
N.T.S.



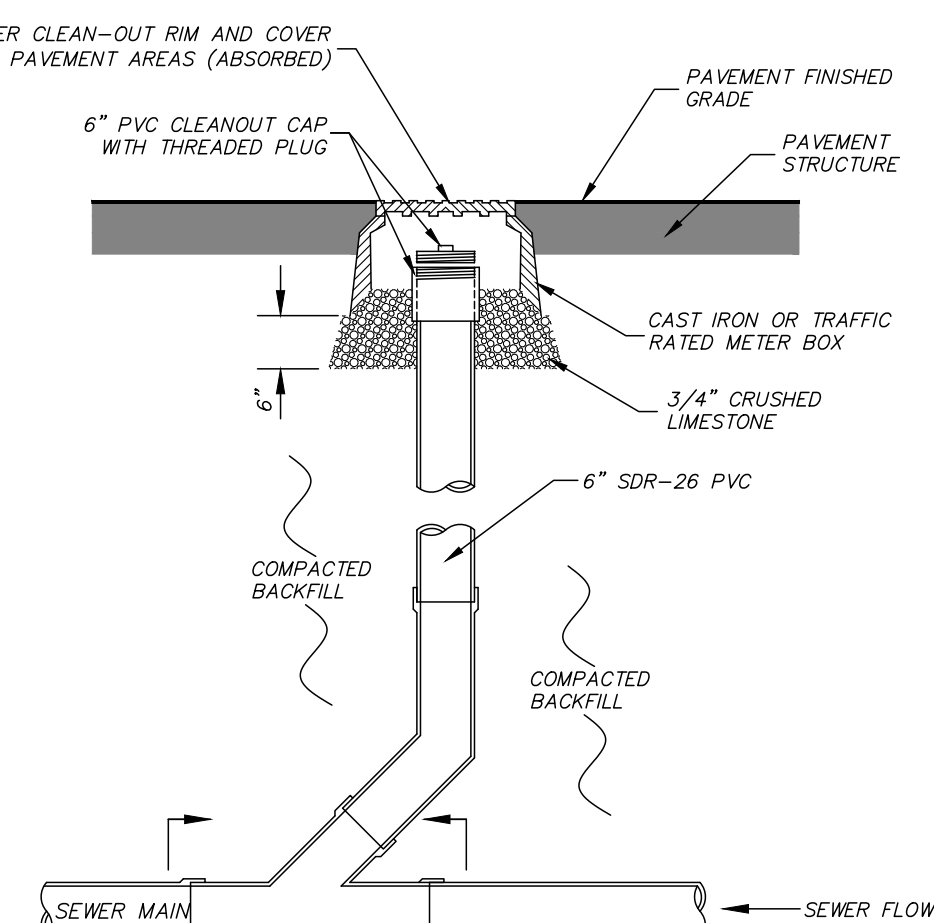
STANDARD PRECAST MANHOLE (SHALLOW TYPE)
N.T.S.
(TO BE USED WHEN MANHOLE DEPTH < 5')



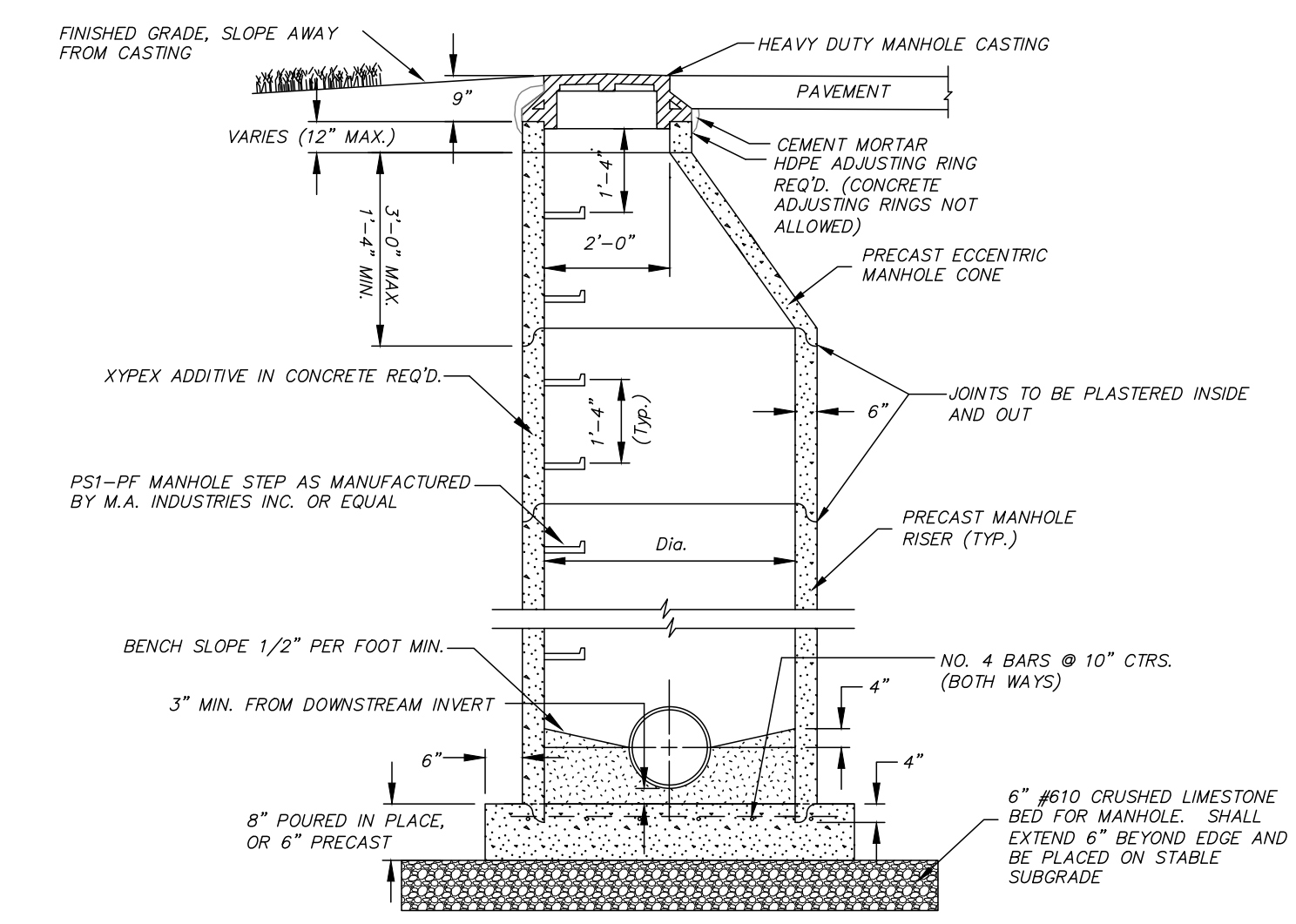
STANDARD WYE
N.T.S.



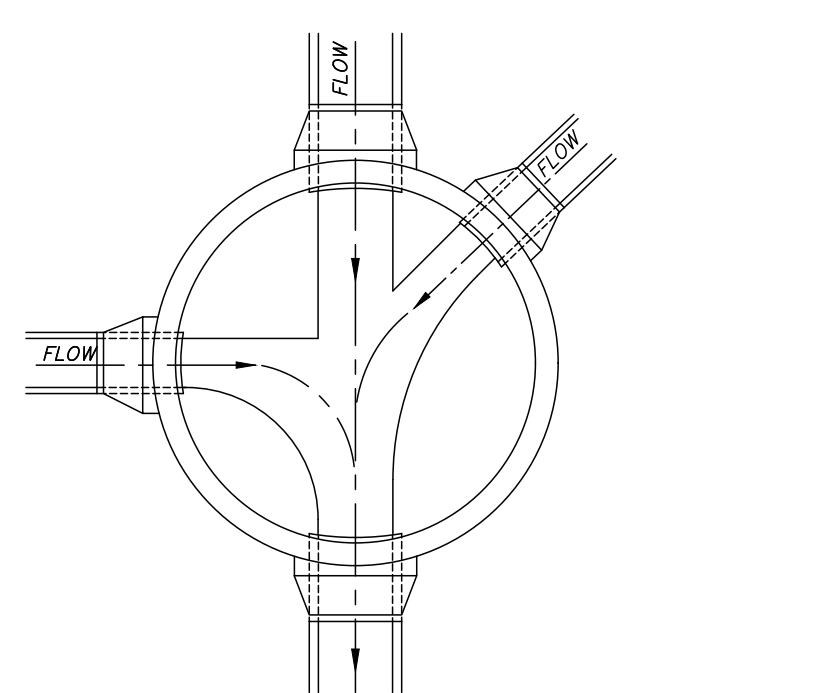
SANITARY SEWER SERVICE ASSEMBLY
N.T.S.



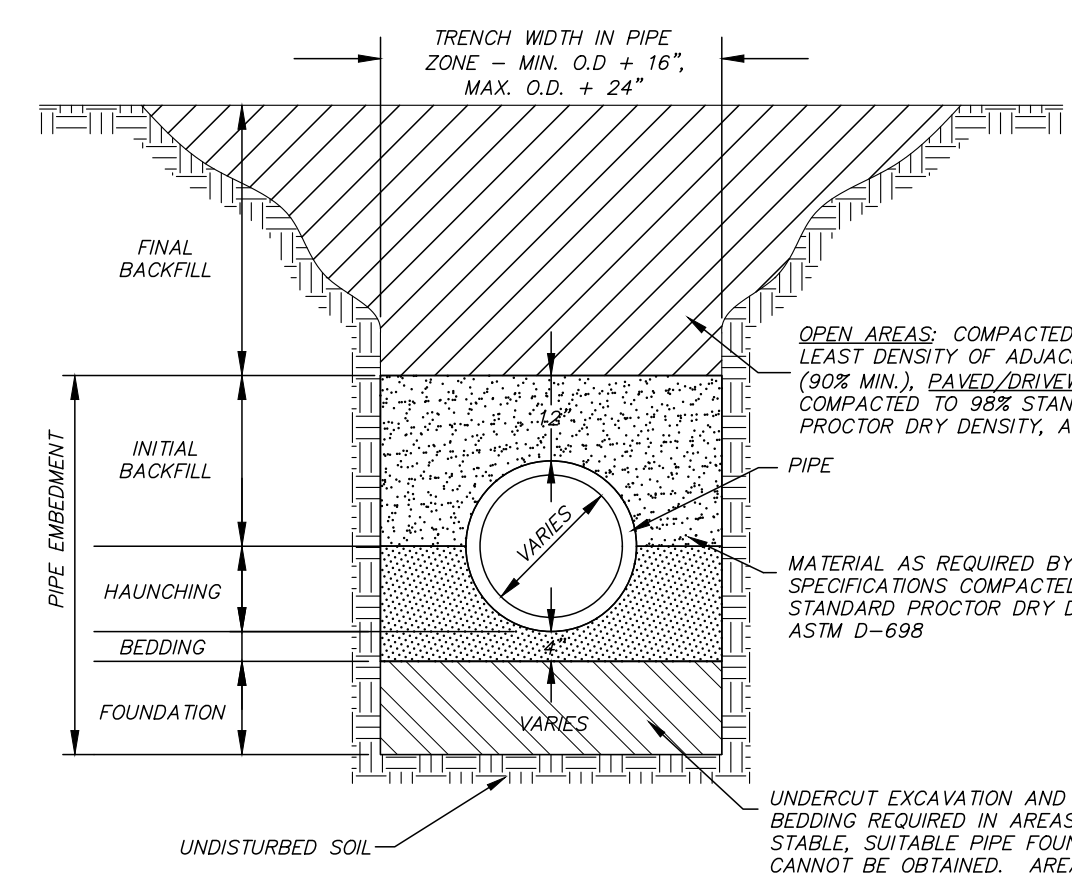
INLINE CLEANOUT - PAVED AREA
N.T.S.



STANDARD PRECAST MANHOLE (ECCENTRIC CONE)
N.T.S.



FLOW CHANNEL & PIPE CONNECTION DETAIL
N.T.S.



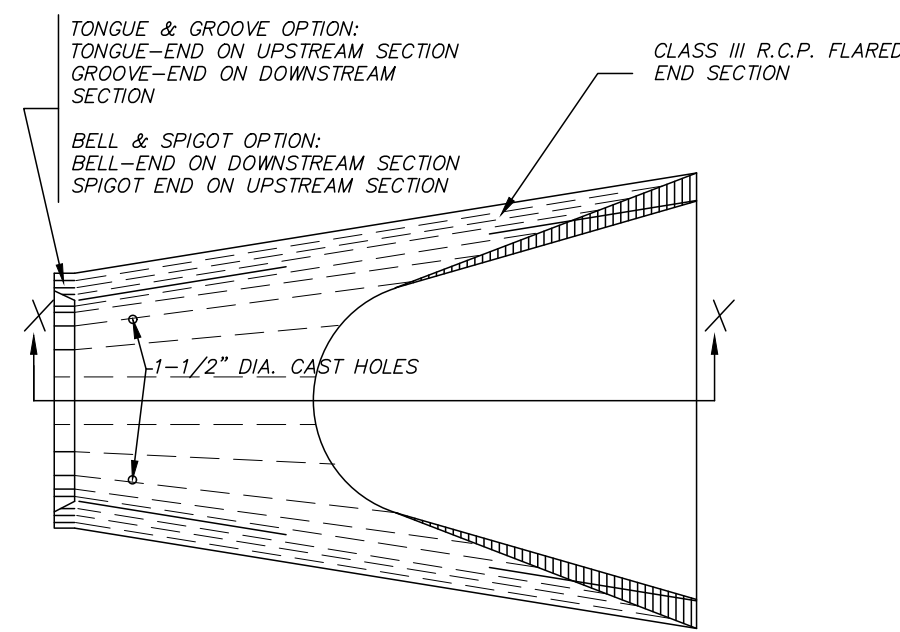
TYPICAL TRENCH DETAIL FOR WATER AND/OR SANITARY SEWER LINES

- TYPICAL TRENCH NOTES:
- UNDERCUT EXCAVATION SHALL BE REQUIRED AS DIRECTED BY ENGINEER IF MATERIAL AT PLANNED GRADE WILL NOT PROVIDE STABLE TRENCH BOTTOM FOR PIPE LAYING. COST FOR REMOVAL AND DISPOSAL SHALL BE AN ABSORBED COST.
 - FOUNDATION MATERIAL SHALL BE PLACED AS DIRECTED BY ENGINEER AND SHALL BE AN ABSORBED COST.
 - IF CONTRACTOR PROPOSES TO USE NATIVE MATERIAL FOR PIPE EMBEDMENT AND/OR FINAL BACKFILL, CONTRACTOR SHALL PROVIDE TEST RESULTS PER SPECIFICATIONS TO ENGINEER STATING WHETHER NATIVE MATERIAL MEETS PROJECT SPECIFICATIONS FOR USE AS SUCH. IF IT DOES NOT MEET SPECIFICATION, THEN CONTRACTOR SHALL PROVIDE MATERIAL FOR SAID PURPOSES AND SPOIL EXCESS MATERIAL AT NO ADDITIONAL COST TO THE OWNER.
 1. NATIVE MATERIAL IN OPEN AREAS UNLESS OTHERWISE DIRECTED BY THE ENGINEER, OR BEDDING, HAUNCHING & INITIAL BACKFILL MATERIAL SHALL BE AN ABSORBED COST PER FOOT OF PIPE. FINAL BACKFILL SHALL BE EITHER:
4.1. NATIVE MATERIAL IN OPEN AREAS UNLESS OTHERWISE DIRECTED BY THE ENGINEER, OR
4.2. SELECT MATERIAL IN TRENCHES CONSTRUCTED UNDER OR WITHIN 5' OF ROADWAYS, CURBED OR PAVED AREAS. MATERIAL SHALL EXTEND 5' BEYOND THE EDGE OF PAWING STRUCTURES).
 - 4.3. ABSORBED COST IN EITHER CASE MENTIONED.
 - 4.4. TRENCH SETTLEMENT REPAIR IS THE CONTRACTOR'S RESPONSIBILITY DURING WARRANTY PERIOD.
 - 4.5. DETERMINING OF ANY TRENCH FOR ANY REASON IS THE RESPONSIBILITY OF THE CONTRACTOR AT NO EXTRA COST TO THE OWNER.

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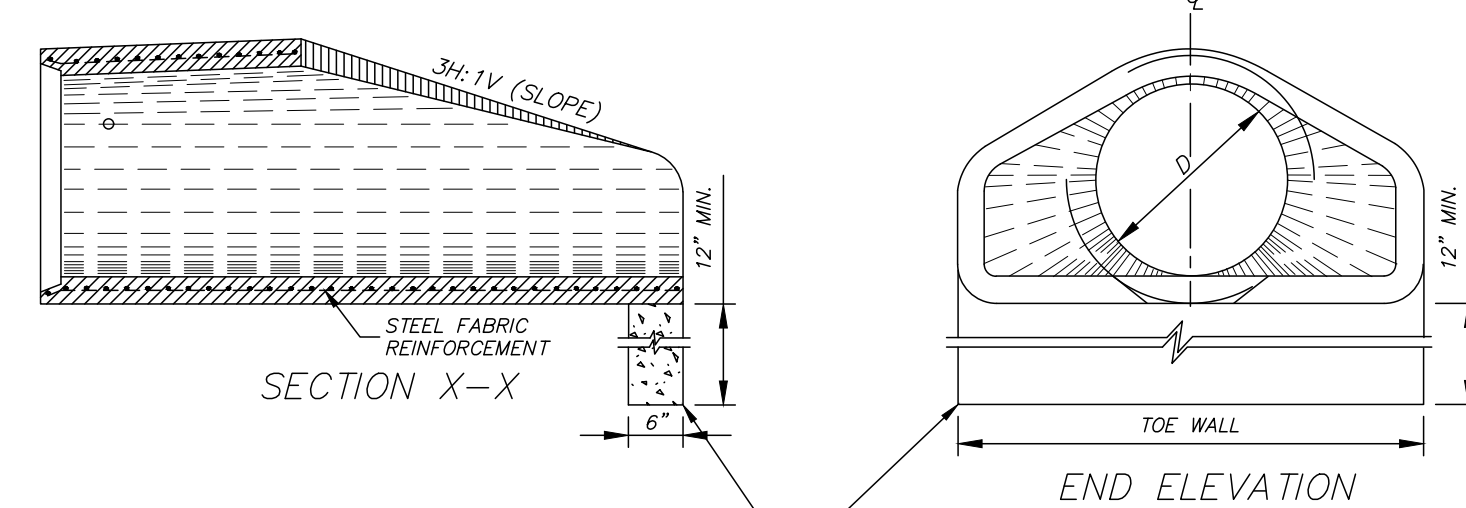
PROJECT LOCATION:
DEES PLAZA
MADISON COUNTY, MISSISSIPPI
CLIENT:
RDM3, LLC
440 NORTH LAMAR, SUITE 6, OXFORD, MS

PROJECT:
SHERWIN WILLIAMS
SHEET CONTENTS:
WATER & SANITARY SEWER SYSTEM DETAILS



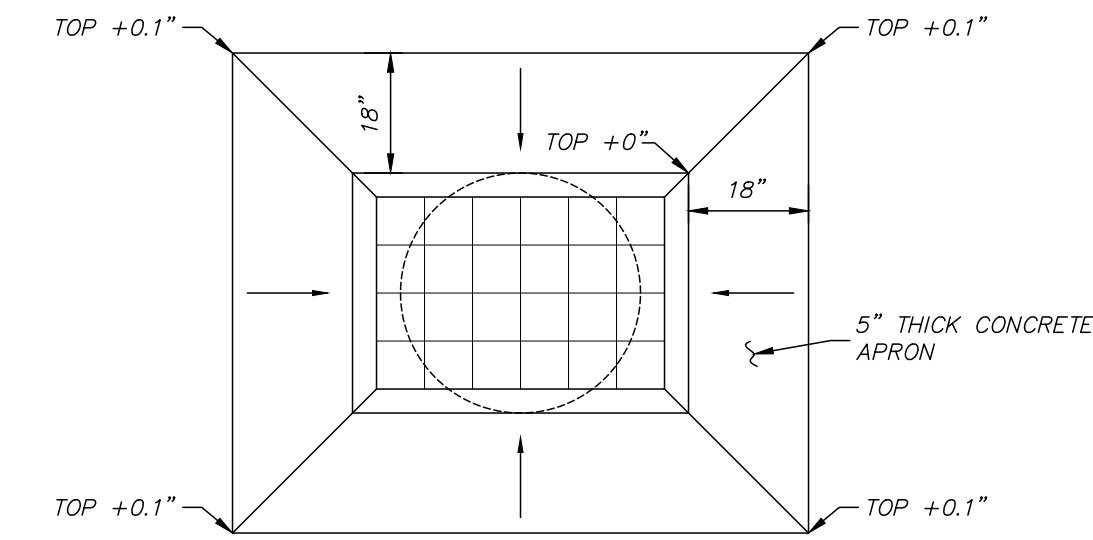
- CONCRETE FLARED END SECTION NOTES:**
1. ALL FLARED END SECTIONS SHALL BE PRECAST STRUCTURES MADE IN ACCORDANCE WITH THE REQUIREMENTS OF MDOT STANDARD DETAIL WORKING NUMBER FE-1, SHEET 6530 FOR CLASS III CONCRETE ROUND PIPE AND WORKING NUMBER FE-1A, SHEET 6531 FOR CLASS III CONCRETE ARCH PIPE.
 2. ALL LIFT HOLES SHALL BE SEALED WITH NON-SHRINK GROUT PER MDOT SPECIFICATIONS FOR SEALING CONCRETE PIPE.
 3. TOE WALL REQUIRED ON ALL FLARED END SECTIONS AND SHALL RUN FULL WIDTH OF FLARED END SECTION.
 4. CONCRETE FLARED END SECTIONS PLACED AT CONNECTION TO HP PIPE SHALL BE DOUBLE WRAPPED FULLY W/ FILTER CLOTH AND SECURED WITH A CONCRETE COLLAR CENTERED ON THE JOINT PER THE CONCRETE COLLAR DETAIL. COST FOR SUCH SHALL BE ABSORBED IN THE FLARED END SECTIONS PAY ITEM.

PLAN OF DOWNSTREAM END



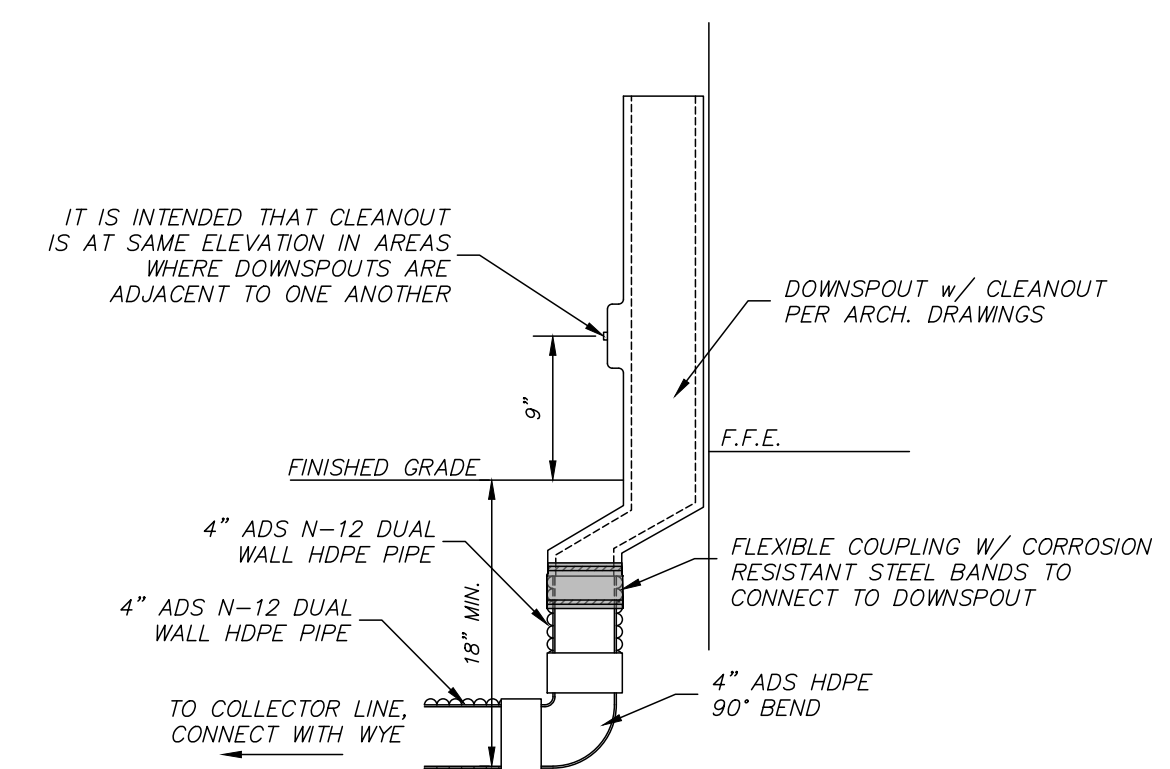
CONCRETE FLARED END SECTION
 N.T.S.

TOE WALL REQUIRED ON ALL FLARED END SECTIONS. SHALL BE ABSORBED IN FLARED END SECTION ITEM FOR EACH INDIVIDUAL PIPE SIZE.



NOTE: CONCRETE APRON SHALL BE NON-REINFORCED PORTLAND CEMENT CONCRETE AND SHALL HAVE A MINIMUM 28-DAY FLEXURAL STRENGTH OF 650 PSI AND A COMPRESSIVE STRENGTH OF 4,000 PSI.

TYPICAL CONCRETE APRON



IT IS INTENDED THAT CLEANOUT IS AT SAME ELEVATION IN AREAS WHERE DOWNSPOUTS ARE ADJACENT TO ONE ANOTHER

NOTES:

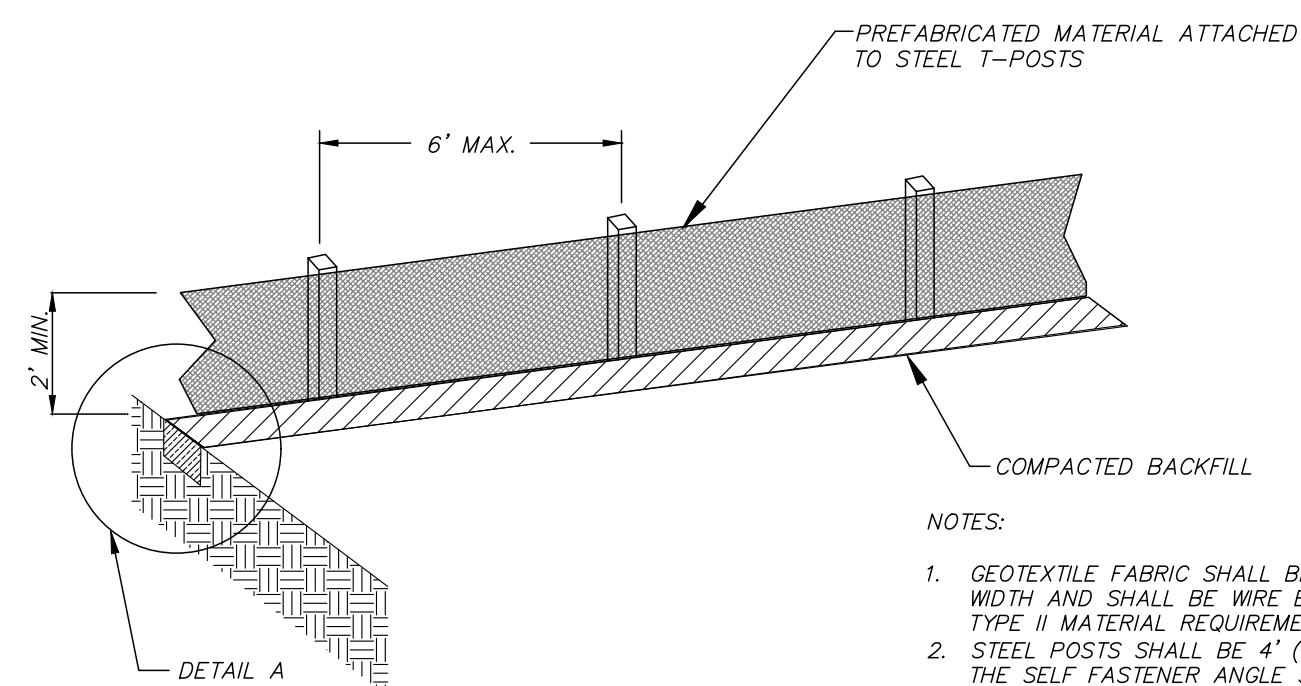
1. CONTRACTOR SHALL ADJUST FLOWLINE ELEVATION AS NEEDED TO AVOID CONFLICTS WITH OTHER UTILITIES OR PAVING
2. ALL CONNECTIONS SHALL BE MADE WATER TIGHT

TYPICAL DOWNSPOUT CONNECTION DETAIL

DATE: 07/22/21	DRAWN: KDR	REVISIONS:
CHECKED: GAB	SCALE:	
REF C/L:	EG SURFACE:	
	FG SURFACE:	

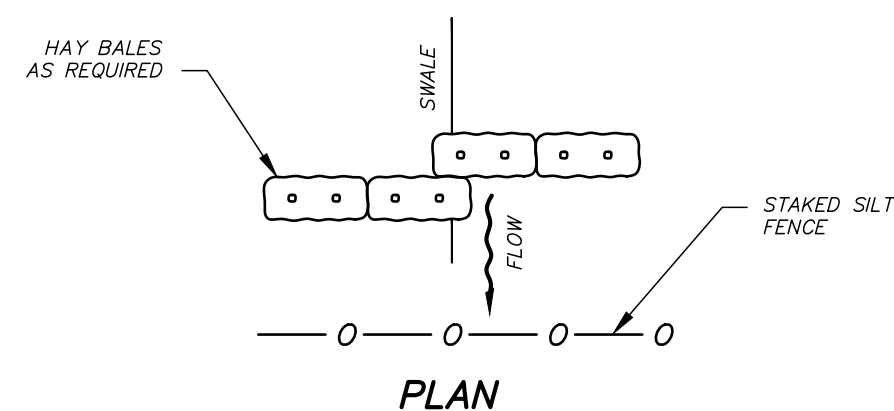
PROJECT LOCATION:
 DEES PLAZA
 MADISON COUNTY, MISSISSIPPI
 CLIENT:
 RDM3, LLC
 440 NORTH LAMAR, SUITE 6, OXFORD, MS

PROJECT:
 SHERWIN WILLIAMS
 SHEET CONTENTS:
 STORM DRAIN DETAILS

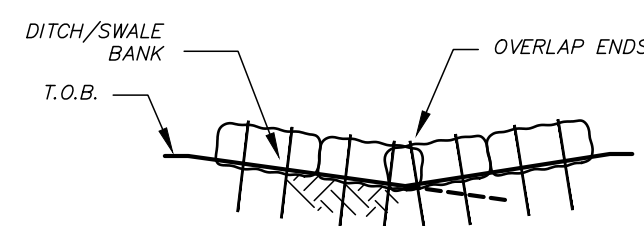


SILT FENCE DETAIL

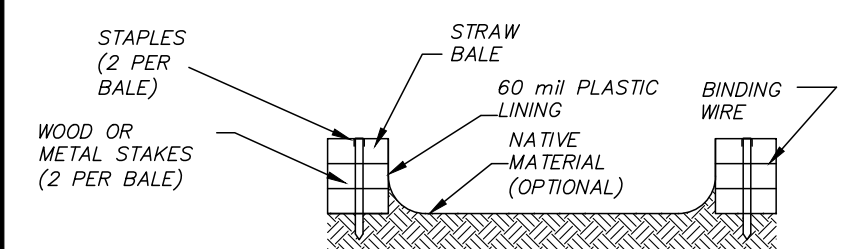
- NOTES:
1. GEOTEXTILE FABRIC SHALL BE A MINIMUM OF 36" IN WIDTH AND SHALL BE WIRE BACKED OR MEET MDOT TYPE II MATERIAL REQUIREMENTS.
 2. STEEL POSTS SHALL BE 4" (MIN.) IN HEIGHT AND OF THE SELF FASTENER ANGLE STEEL TYPE.
 3. FENCE SHALL BE FASTENED WITH NOT LESS THAN 9 GAGE STAPLES 1" LONG FOR WOODEN POSTS AND 3/4" FOR WOODEN STAKES.
 4. ALLOW A 6" OVERLAP OF FABRIC AT JOINTS.



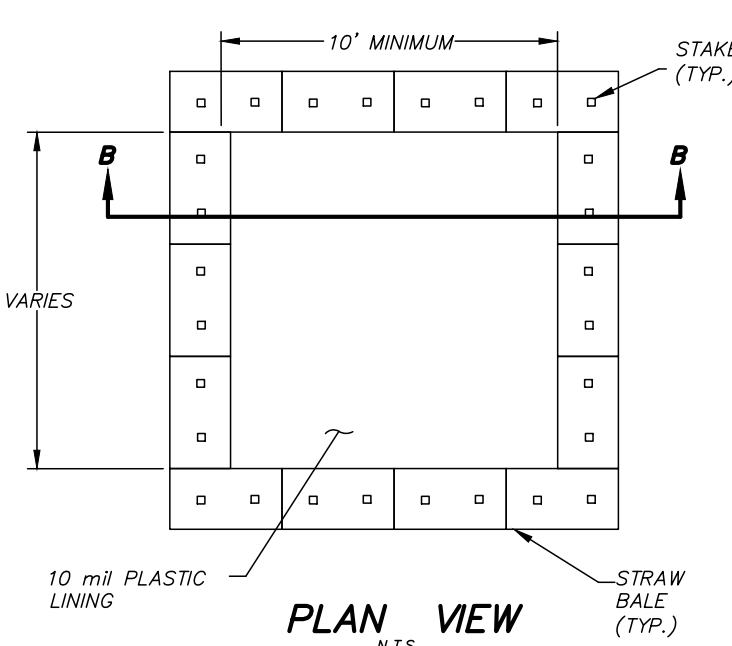
PLAN



ELEVATION



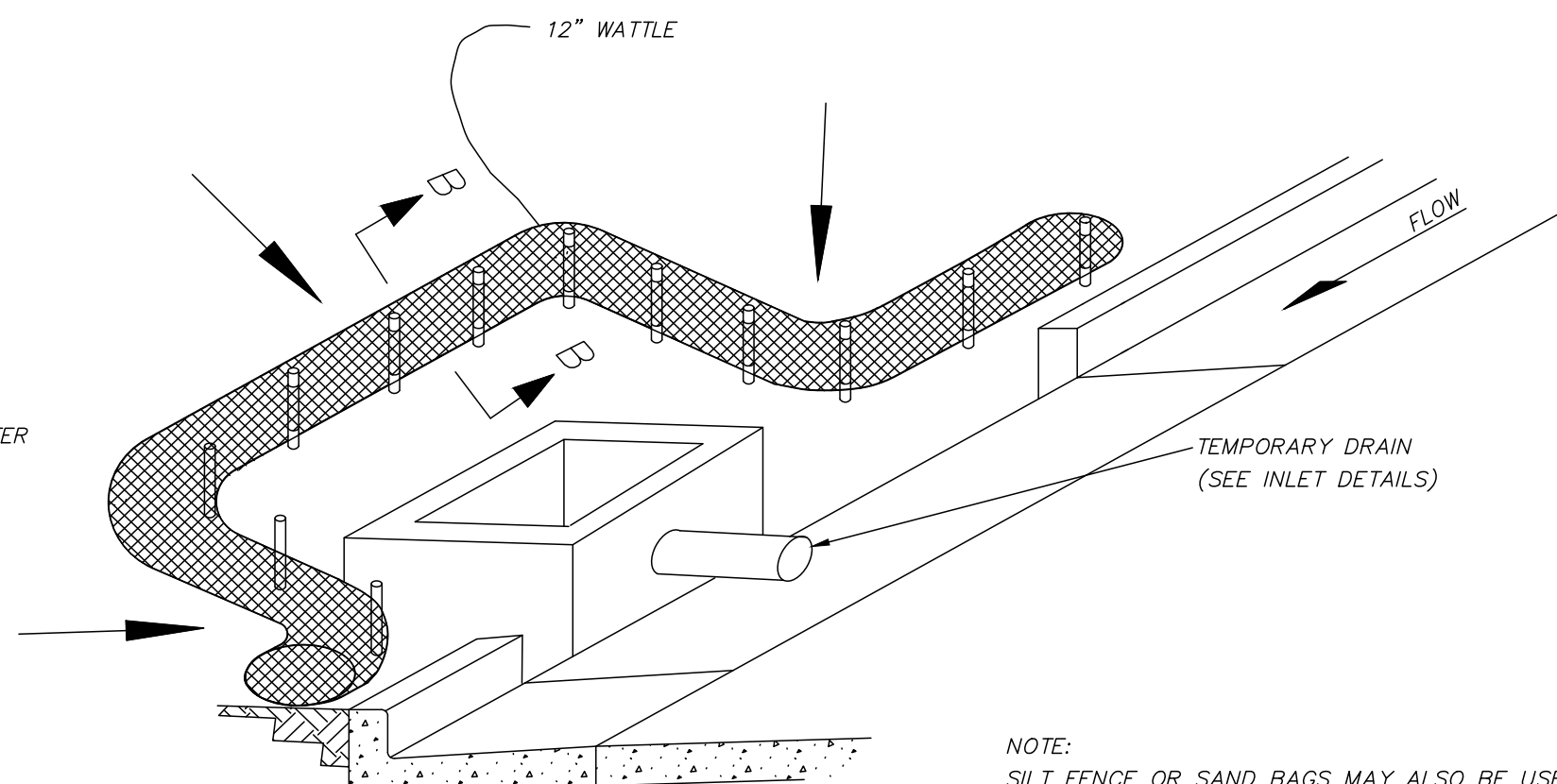
SECTION B-B



PLAN VIEW

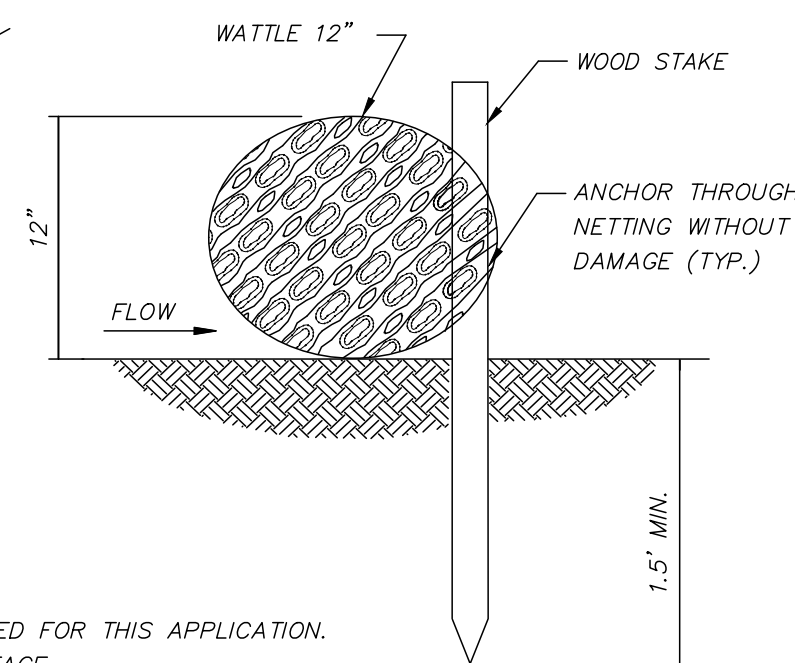
STRAW BALE CONCRETE WASHOUT AREA

- NOTES:
1. LOCATION TO BE DETERMINED BY CONTRACTOR AND APPROVED BY THE ENGINEER OR ENGINEER'S REPRESENTATIVE.
 2. IF CONCRETE WASHOUT AREA EXHIBITS LEAKAGE OR PROVES TO BE INADEQUATE FOR ITS INTENDED PURPOSE, THE CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE.
 3. IF REQUIRED BY ENGINEER OR C.O.J., AREAS IMMEDIATELY DOWNSTREAM/DOWNSLOPE SHALL INCLUDE A SECONDARY STORMWATER RUNOFF POLLUTION PREVENTION MEASURE.
 4. MAINTENANCE SHALL BE IN ACCORDANCE WITH THE APPROVED STORMWATER MANAGEMENT PLAN.

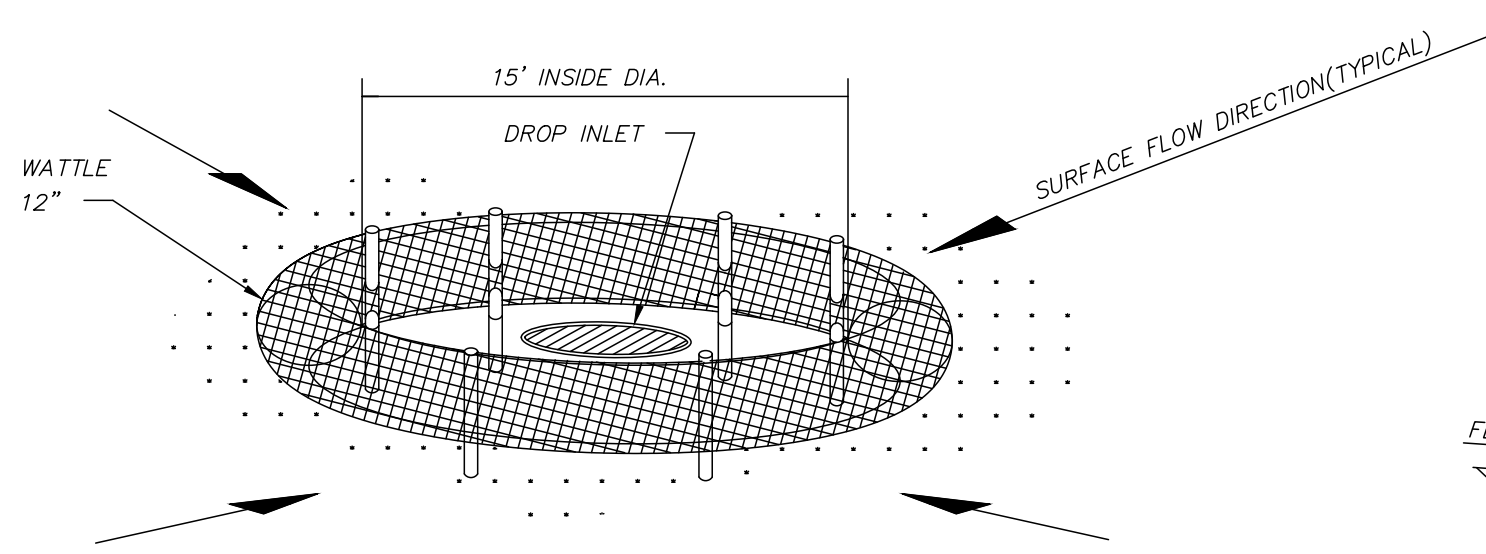


CURB INLET PROTECTION
SINGLE OR DOUBLE WING INLET

NOTE: SILT FENCE OR SAND BAGS MAY ALSO BE USED FOR THIS APPLICATION. HAY BALES NOT ACCEPTABLE DURING THIS STAGE.



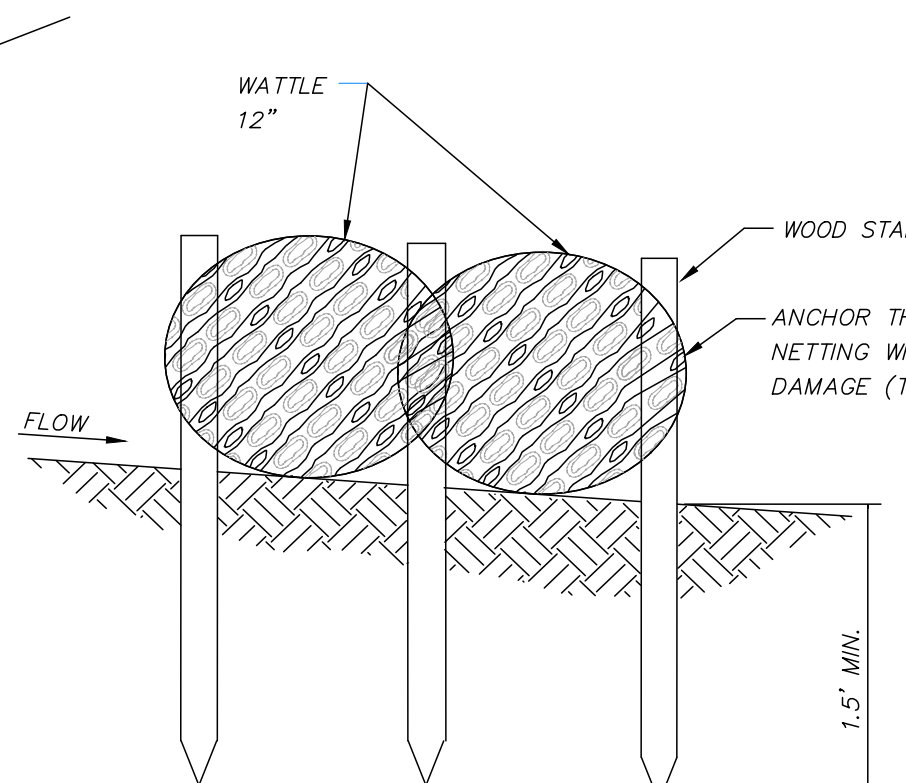
SECTION B-B



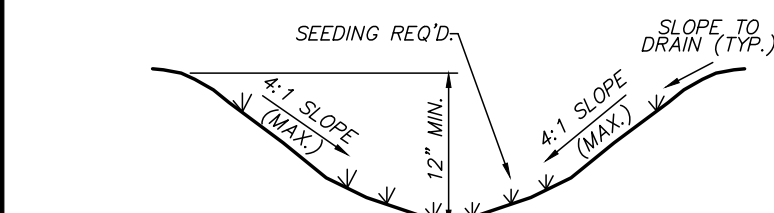
DROP INLET PROTECTION

- NOTES:
1. ANCHORING STAKES SHALL BE SIZED, SPACED, AND BE OF A MATERIAL THAT EFFECTIVELY SECURES THE WATTLE. STAKE SPACING SHALL BE A MAXIMUM OF THREE FEET.
 2. OVERLAP ENDS OF WATTLES PER MANUFACTURERS RECOMMENDATIONS (1" MIN., 3" MAX.).
 3. TRENCHING OF WATTLES MAY BE NECESSARY IF PIPING BECOMES EVIDENT.

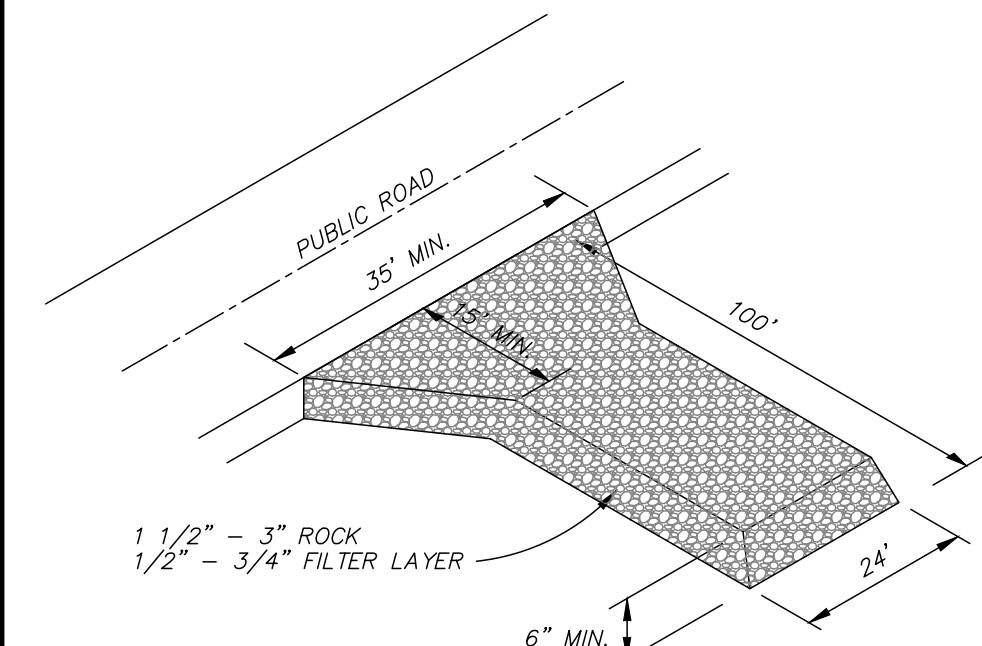
WATTLE INLET PROTECTION



SECTION A-A

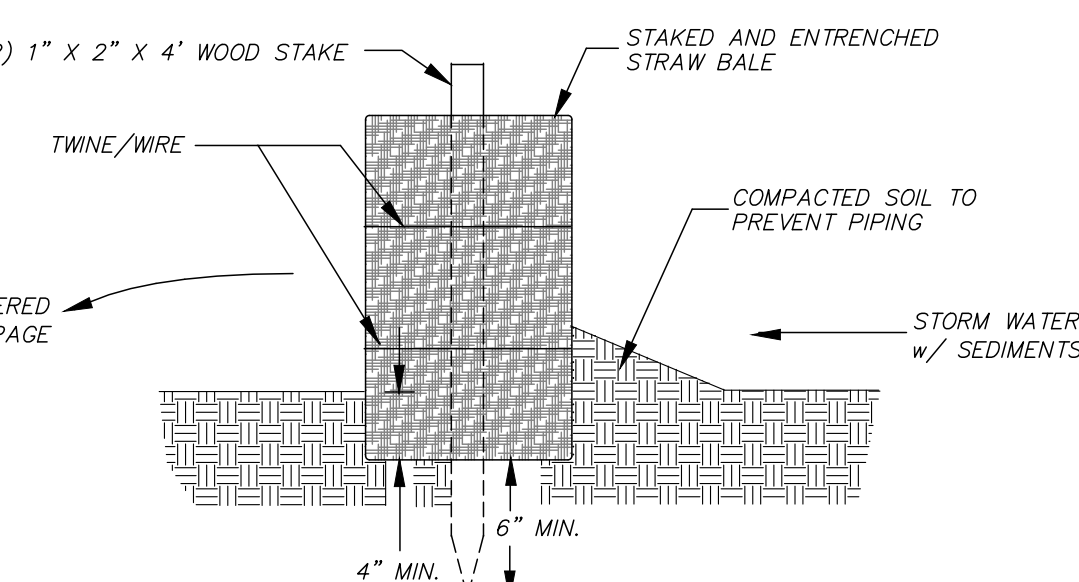


SWALE SECTION



- NOTES:
1. VEHICLE TRACKING MAT SHALL BE LOCATED AT EVERY ENTRANCE/EXIT TO THE CONSTRUCTION SITE.
 2. VEHICLE TRACKING MAT SHALL BE MAINTAINED BY CONTRACTOR AS NEEDED TO PREVENT ANY MATERIAL FROM BEING TRACKED ONTO CITY STREET.
 3. SEDIMENT AND OTHER MATERIAL SPILLED, DROPPED OR TRACKED ONTO CITY STREET SHALL BE IMMEDIATELY REMOVED BY CONTRACTOR.
 4. DIMENSIONS SHOWN ABOVE ARE TYPICAL IF CONDITIONS ALLOW. ANY REVISIONS TO DIMENSIONS SHALL BE APPROVED BY ENGINEER PRIOR TO INSTALLATION.

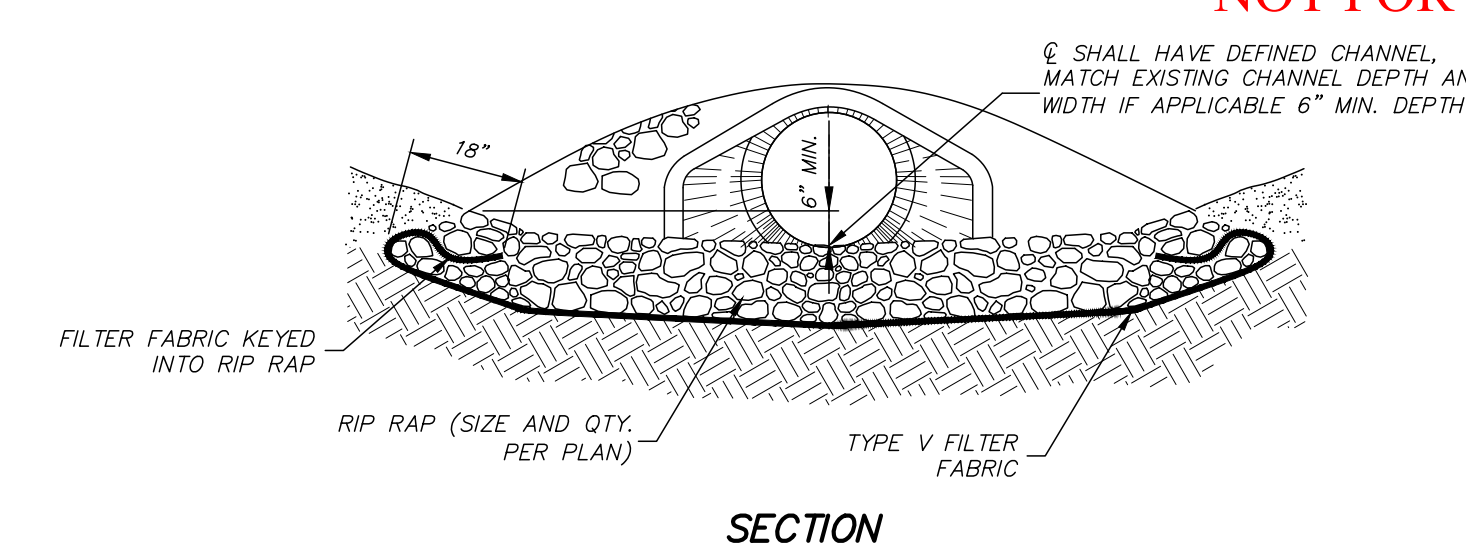
TEMPORARY CONSTRUCTION ENTRANCE DETAIL



HAY BALE INSTALLATION NOTES:

1. HAY BALES SHALL BE TRENCHED 3" TO 4" AND STAKED WITH (2) 1"x2"x4" WOOD STAKES PER BALE.
2. SILT FENCE SHALL BE DOWN STREAM OF HAY BALES.
3. ADJACENT BALES SHALL BE BUTTED FIRMLY TOGETHER. UNAVOIDABLE GAPS SHALL BE PLUGGED WITH HAY OR STRAW TO PREVENT SILT FROM PASSING.

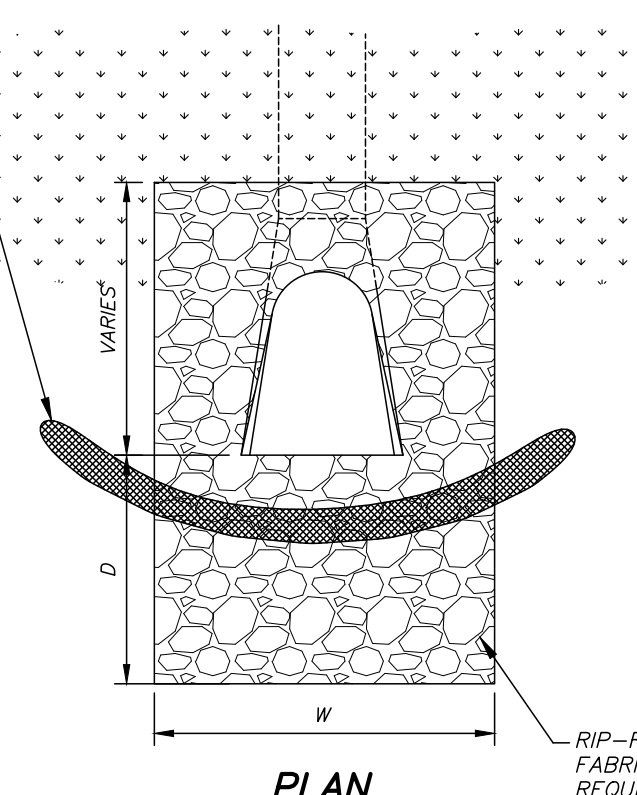
HAY BALE INSTALLATION



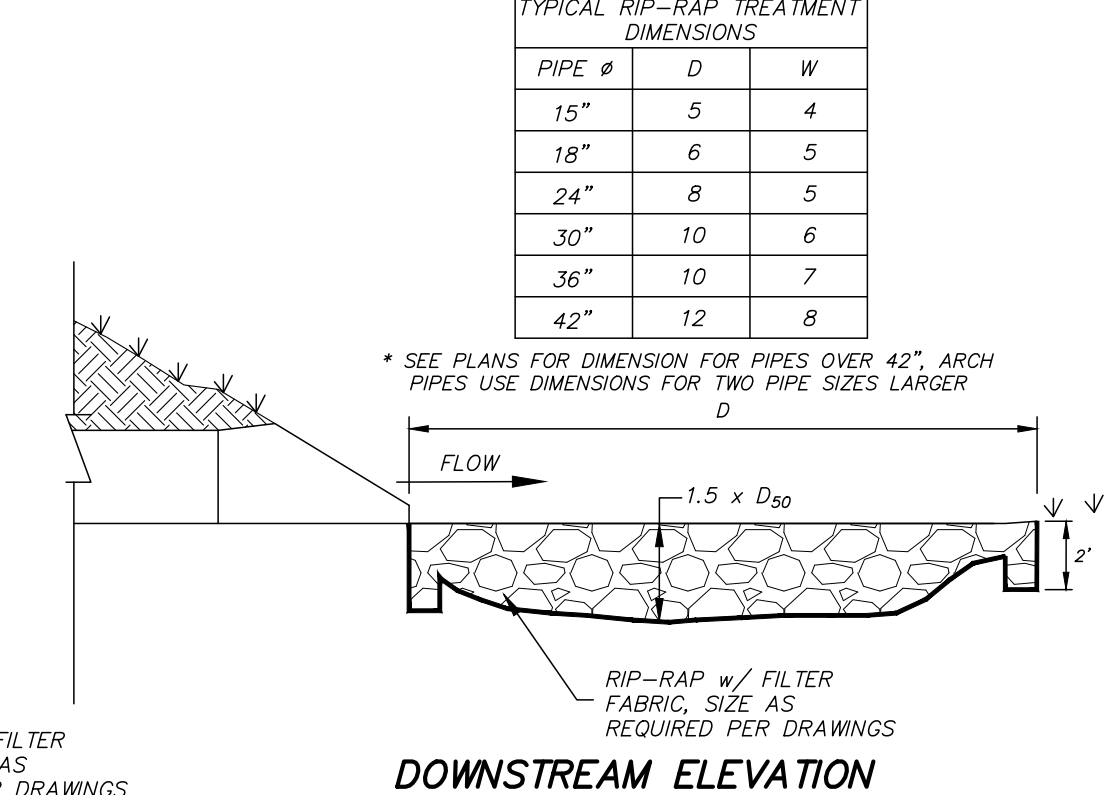
SECTION

PIPE #	D	W
15"	5	4
18"	6	5
24"	8	5
30"	10	6
36"	10	7
42"	12	8

* SEE PLANS FOR DIMENSION FOR PIPES OVER 42". ARCH PIPES USE DIMENSIONS FOR TWO PIPE SIZES LARGER



PLAN



DOWNSTREAM ELEVATION

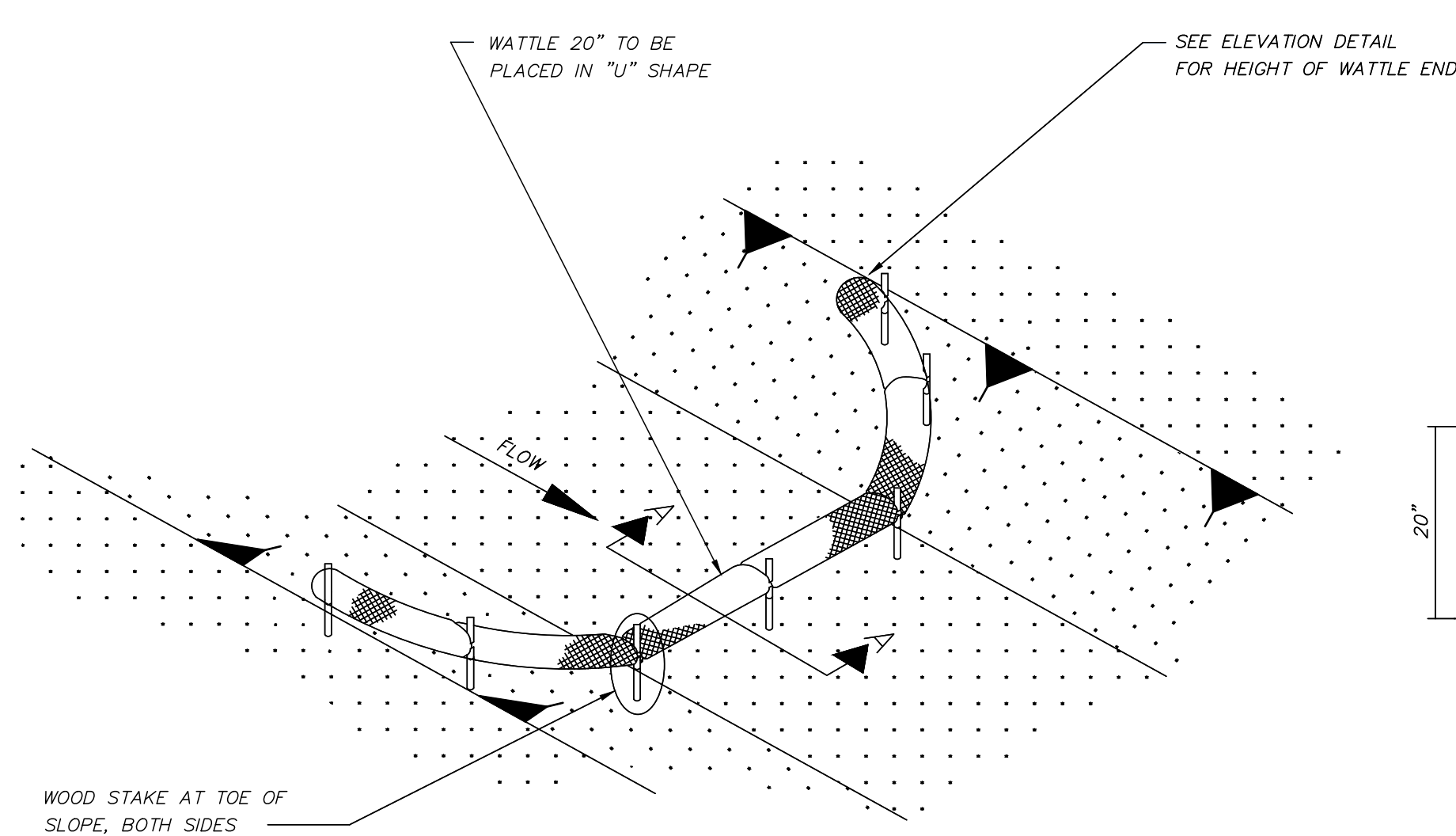
NOTES:

1. RIP-RAP TREATMENT REQUIRED AT ALL CULVERTS UPSTREAM AND DOWNSTREAM ENDS.
2. RIP-RAP TREATMENT ON UPSTREAM AND DOWNSTREAM ENDS SHALL TOTALLY SURROUND CULVERT TO A MINIMUM OF 12" ABOVE THE TOP OF THE PIPE.
3. SEE CHART FOR DIMENSIONS FOR D & W UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
4. RIP-RAP WILL BE PAID FOR BY THE SQUARE YARD.
5. RIP-RAP DIMENSIONS SHOWN ON THE SCHEDULE ARE TYPICAL AND MAY BE FIELD ADJUSTED BY ENGINEER. ANY CHANGE IN QUANTITY RESULTING FROM FIELD ADJUSTMENT WILL BE PAID PER SQUARE YARD AT CONTRACT UNIT PRICE.

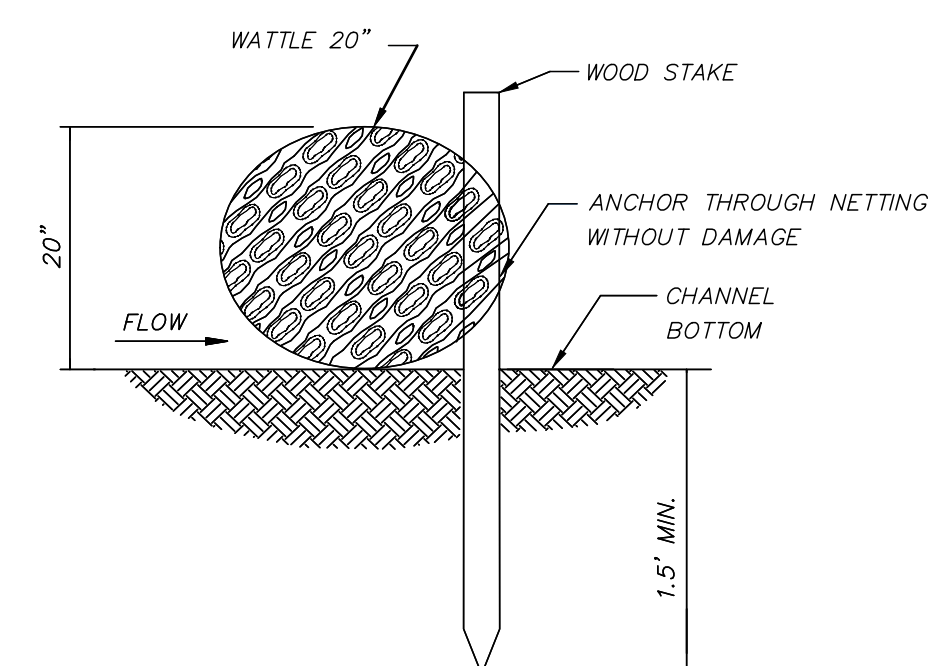
CULVERT RIP-RAP OUTLET PROTECTION

WATTLE DITCH CHECK SELECTION GUIDELINES

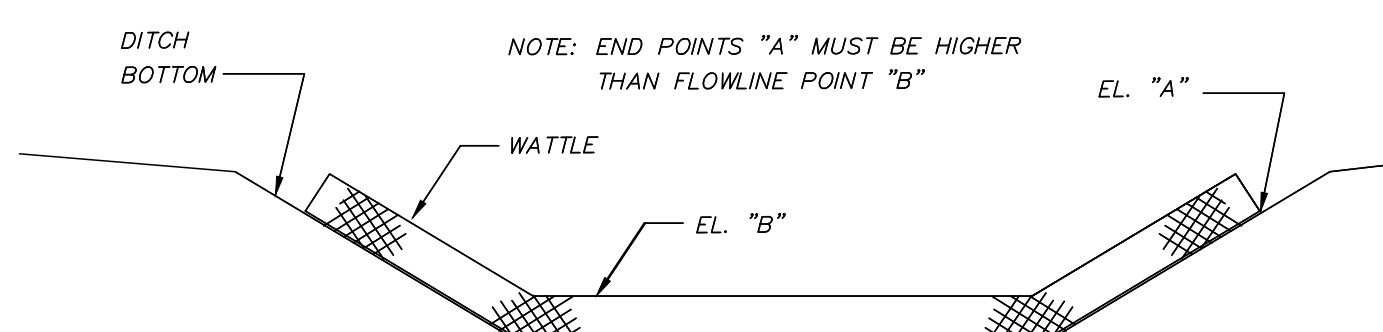
WATTLE DITCH CHECKS ARE APPROPRIATE FOR VELOCITY REDUCTION AND CONTROL OF SEDIMENT TRANSPORT UNDER LOW TO MEDIUM FLOW CONDITIONS.



DETAIL (DITCH CHECK)



SECTION A-A



ELEVATION DETAIL

NOTES:

1. MINIMUM RECOMMENDED PLACEMENT INTERVAL BETWEEN WATTLE DITCH CHECK IS 100' UNLESS SHOWN OTHERWISE ON THE PLANS OR EROSION CONTROL PLAN APPROVED BY THE ENGINEER. SEE SPACING GUIDANCE ON ECD-4.
2. ANCHORING WOOD STAKES SHALL BE SIZED, SPACED, DRIVEN, AND BE OF A MATERIAL THAT EFFECTIVELY SECURES THE CHECK. STAKE SPACING SHALL BE A MAXIMUM OF THREE FEET. ALL NON-DEGRADABLE MATERIALS SHALL BE REMOVED WHEN NO LONGER NEEDED.
3. TRENCHING OF WATTLES MAY BE NECESSARY IF PIPING BECOMES EVIDENT.
4. WATTLES SHOULD NOT BE USED IN HARD BOTTOM CHANNELS.

WATTLE DITCH CHECK