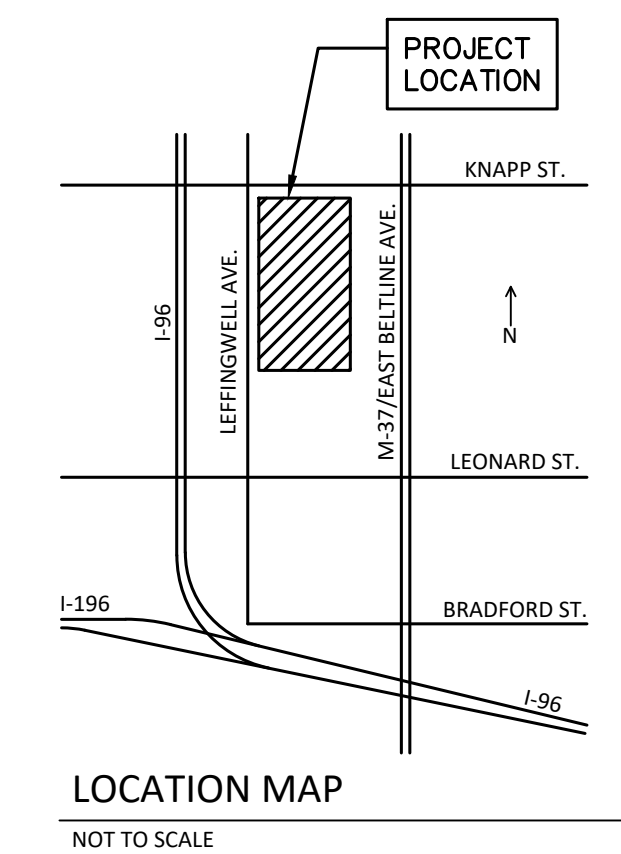
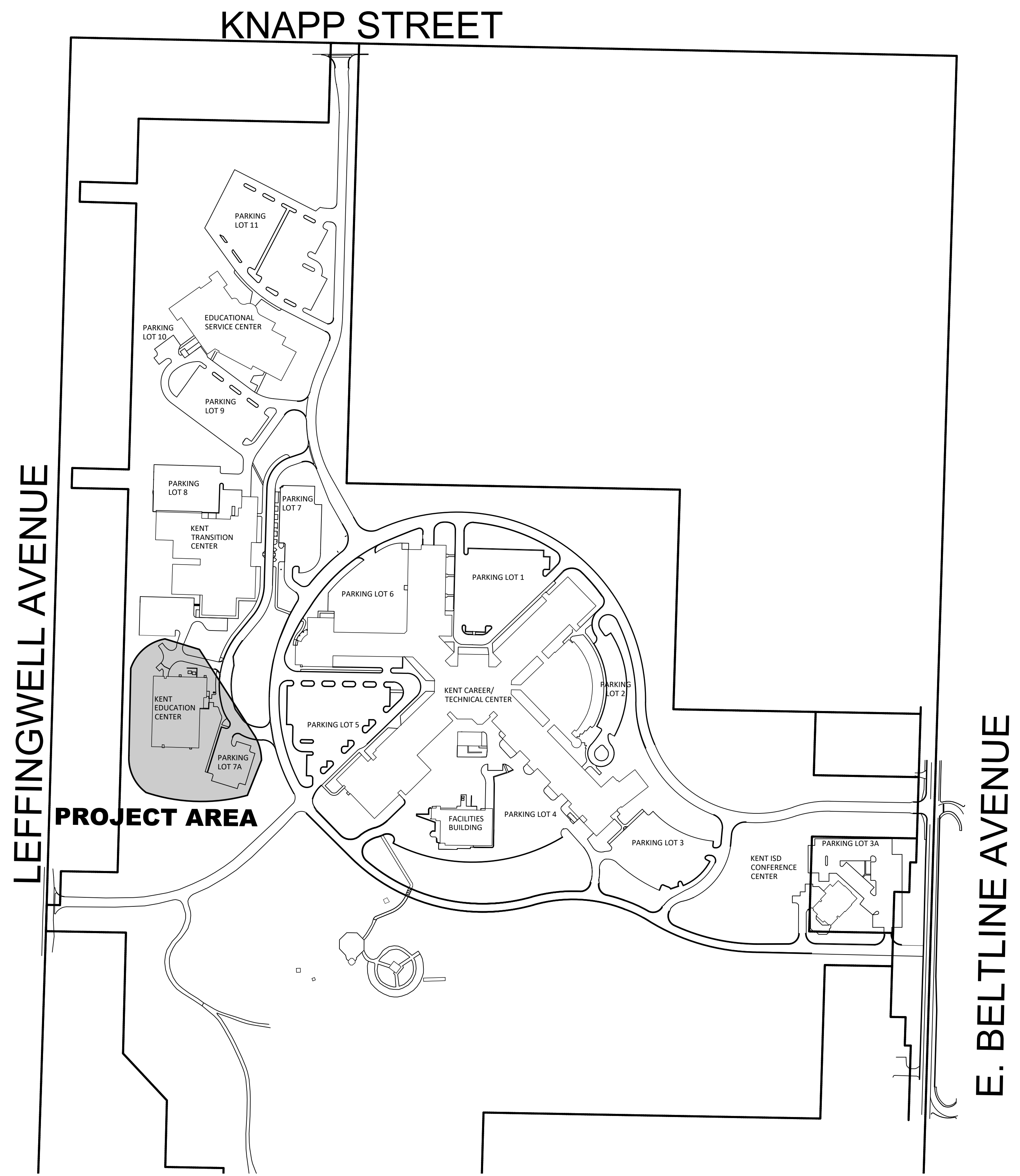
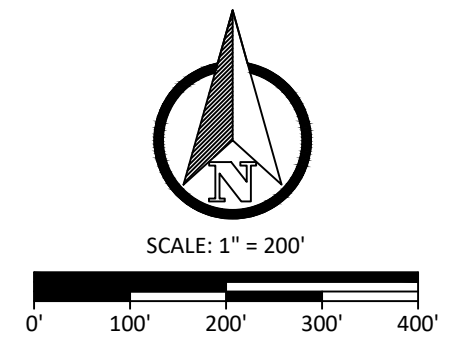


KENT INTERMEDIATE SCHOOL DISTRICT

CITY OF GRAND RAPIDS KENT COUNTY, MICHIGAN

PARKING LOT NO. 7A IMPROVEMENTS



SOIL EROSION CONTROL SCHEDULE 2025

	MAY	JUNE	JULY	AUG	SEP	OCT
PLACE SESC MEASURES						
REMOVE PAVEMENT / TOPSOIL						
PAVE ROAD / SIDEWALKS						
SEED DISTURBED AREAS						
SITE RESTORATION / CLEAN UP						

NO.	DATE	REVISION	BY
0	2/17/2025	FOR BIDDING	CJW

KENT INTERMEDIATE SCHOOL DISTRICT
KENT COUNTY, MICHIGAN
PARKING LOT 7A IMPROVEMENTS



Byron Center, MI (616) 277-2185
Kalamazoo, MI (269) 697-7120
www.VKcivil.com

FILE NO. 1380
CHECKED CMF
Sheet No. 1 OF 4



- GRADING PLAN NOTES:**
- SOILS EXPOSED IN THE BASE OF ALL SATISFACTORY FOUNDATION EXCAVATIONS SHOULD BE PROTECTED AGAINST ANY DETRIMENTAL CHANGES IN CONDITION SUCH AS FROM DISTURBANCE, RAIN AND FREEZING. SURFACE RUN-OFF WATER SHOULD BE DRAINED AWAY FROM THE EXCAVATION AND NOT ALLOWED TO POND. IF POSSIBLE, ALL FOOTING CONCRETE SHOULD BE POURED THE SAME DAY THE EXCAVATION IS MADE. IF THIS IS NOT PRACTICAL, THE FOOTING EXCAVATIONS SHOULD BE ADEQUATELY PROTECTED.
 - REMOVE ALL SUBGRADE MATERIAL THAT MAY BE SOFTENED BY RAINS, FREEZING, OR CONSTRUCTION TRAFFIC, ETC. AND REPLACE WITH COMPACTED GRANULAR FILL.
 - ALL CONSTRUCTION METHODS SHALL BE DONE IN COMPLIANCE WITH MDT-EGLE. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING A "SOIL EROSION PERMIT" FROM THE COUNTY AND A "PERMIT BY RULE/NOTICE OF COVERAGE" FROM EGLE IF APPLICABLE, PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL REQUIREMENTS OF THE COUNTY "SOIL EROSION PERMIT" AND FOR ALL CERTIFIED STORM WATER INSPECTION SERVICE REQUESTED BY THE "PERMIT BY RULE." EROSION CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS AND SHALL NOT RELIEVE THE CONTRACTORS RESPONSIBILITY FOR PROVIDING ALL REQUIRED EROSION CONTROL MEASURES.
 - AVOID UNNECESSARY DISTURBING OR REMOVING OF EXISTING VEGETATED TOPSOIL OR EARTH COVER. THESE COVER AREAS ACT AS SEDIMENT FILTERS.
 - ALL TEMPORARY SOIL EROSION PROTECTION SHALL REMAIN IN PLACE UNTIL REMOVAL IS REQUIRED FOR FINAL CLEAN UP AND APPROVAL.
 - GEOTEXTILE SILT FENCE SHALL BE INSTALLED AS REQUIRED WHEN CROSSING CREEKS OR WHEN ADJACENT TO WETLANDS OR SURFACE WATER BODIES TO PREVENT SILTATION AND ELSE WHERE AS DIRECTED BY THE ENGINEER. SEEDING AND/OR SODDING SHALL BE INSTALLED ON CREEK BANKS IMMEDIATELY AFTER CONSTRUCTION TO PREVENT EROSION.
 - CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID TRACKING SOIL ONTO ADJACENT ROADWAYS. CONTRACTOR SHALL SWEEP IMMEDIATELY IF THIS OCCURS.
 - ANY DISTURBED AREA WHICH WILL BE LEFT UNWORKED 20 DAYS OR LONGER MUST BE SEEDED TO ESTABLISH VEGETATION FOR TEMPORARY STABILIZATION. BASINS TO BE SEEDED AND MULCH BLANKETS APPLIED IMMEDIATELY TO PROVIDE A STABLE BASE AND AVOID EXCESSIVE EROSION.
 - ALL SOIL EROSION CONTROL MEASURES ARE TO BE IN PLACE PRIOR TO THE START OF ANY GRADING.
 - ALL NON PAVED AREAS TO BE TOPSOILED (6" MIN.) & SEEDED.
 - VARIATION IN EXISTING SOIL CONDITIONS MAY IMPACT THE EARTHWORK QUANTITIES IF UNUSABLE SOILS ARE ENCOUNTERED DURING CONSTRUCTION.
 - DUST CONTROL: THE CONTRACTOR SHALL SUPPLY ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY SUCH AS CALCIUM CHLORIDE, WATER OR A MOTORIZED DUST-FREE STREET SWEEPING DEVICE TO MAINTAIN ALL ROADWAYS BEING USED FOR ACCESS TO THE CONSTRUCTION SITE AND SHALL ADHERE TO ALL ORDINANCES OF THE TOWNSHIP, COUNTY, MDEQ OR ANY OTHER GOVERNMENT AGENCY.
 - IF MUD, SOIL OR OTHER DEBRIS IS DEPOSITED ON ADJACENT STREETS, ROADS OR OTHER PROPERTY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF SUCH AT THE END OF EACH WORK DAY OR AS REQUIRED DURING THE WORK DAY.
 - STORMWATER POLLUTION PREVENTION ITEMS SHALL BE IN PLACE PRIOR TO COMMENCING CLEARING OPERATIONS, EARTHWORK GRADING, OR ANY OTHER TYPE OF CONSTRUCTION ACTIVITY.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH THE SOIL EROSION AND SEDIMENT CONTROL PERMIT.
 - PLACE TEMPORARY EROSION CONTROL MEASURES PRIOR TO EARTH MOVING ACTIVITIES.
 - MULCH BLANKETS SHALL BE PLACED, STAPLED, AND OVERLAPPED ON ALL SLOPES THAT ARE 1 ON 3 OR GREATER AFTER.
 - CONTRACTOR TO INSTALL SILT SACK IN ALL CATCH BASINS ONCE THEY ARE CONSTRUCTED.
 - ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED BY A CERTIFIED STORM WATER OPERATOR AND MAINTAINED BY CONTRACTOR EVERY 7 DAYS AND AFTER EVERY SIGNIFICANT RAIN EVENT IN ACCORDANCE WITH NPDES PERMIT BY RULE REQUIREMENTS IF APPLICABLE.
 - EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL VEGETATION IS ESTABLISHED.
 - BEST MANAGEMENT PRACTICES WILL BE UTILIZED DURING AND AFTER CONSTRUCTION OF THE PROJECT. MEASURES WILL INCLUDE THE USE OF SILT FENCING, SEEDING AND MULCHING, SEDIMENT INLET FILTERS, COMPACTION AND PAVING. THE OWNER OF THE SUBJECT PARCEL SHALL HAVE THE RESPONSIBILITY TO MAINTAIN THE PERMANENT SOIL EROSION PROTECTION MEASURES.
 - ANY POND AREA LABELED AS "INFILTRATION" OR "RETENTION" SHALL BE CONSTRUCTED IN A MANNER AS TO MINIMIZE COMPACTION OF EXISTING SUBGRADE. CONTRACTOR SHALL PROTECT AREA FROM COMPACTION PRIOR TO INSTALLATION AND THROUGHOUT CONSTRUCTION. IF NECESSARY, EXCAVATE BASIN BOTTOM TO AN UNCOMPACTED SUBGRADE FREE OF ROCKS AND DEBRIS AND ENSURE A SANDY BOTTOM. DO NOT COMPACT SUBGRADE. SEED AND STABILIZE THE BASIN WITH AN MDT TDS SEED MIXTURE OR MEADOW MIX AS APPROVED BY THE ENGINEER.

SYMBOL LEGEND

- EXISTING TREE
- TREE STUMP
- BOLLARD
- LIGHT POLE
- POWER POLE
- CLEANOUT
- SANITARY SEWER MANHOLE
- STORM CATCH BASIN
- STORM MANHOLE
- STORM FLARED END SECTION
- STORM CULVERT
- SIGN
- HYDRANT
- VALVE
- MALIBOX
- FLOW DIRECTION ARROW
- COMMUNICATION STRUCTURE
- ELECTRICAL
- SECTION CORNER
- PROPERTY CORNER - SET
- PROPERTY CORNER - FOUND
- BENCHMARK/CONTROL POINT
- SOIL BORING
- WELL

LINE AND HATCH LEGEND

- LANDSCAPING
- EXISTING OVERHEAD ELECTRIC
- PROPOSED OVERHEAD ELECTRIC
- EXISTING UNDERGROUND ELECTRIC
- PROPOSED UNDERGROUND ELECTRIC
- EXISTING GAS
- PROPOSED GAS
- EXISTING COMMUNICATIONS
- PROPOSED COMMUNICATIONS
- EXISTING FENCE
- PROPOSED FENCE
- RIGHT OF WAY
- EASEMENT
- SETBACK
- EXISTING GRAVEL
- PROPOSED GRAVEL
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- EXISTING FORCEMAIN
- PROPOSED FORCEMAIN
- EXISTING WATERMAIN
- PROPOSED WATERMAIN
- EXISTING PAVEMENT
- EXISTING PAVEMENT AND SUBGRADE REMOVAL
- PROPOSED PAVEMENT
- EXISTING CONCRETE
- PROPOSED CONCRETE

CONTROL MEASURE KEY

- 2 P SELECTIVE GRADING & SHAPING, PERMANENT
- 7 P HYDROSEEDING, PERMANENT. TYPICAL IN ALL NON-PAVED AREAS DISTURBED BY CONSTRUCTION ACTIVITIES
- 14 S AGGREGATE COVER, TEMPORARY. TYPICAL ON ALL STREETS DISTURBED BY CONSTRUCTION ACTIVITIES
- 15 P PAVING, PERMANENT. TYPICAL ON ALL STREETS DISTURBED BY CONSTRUCTION ACTIVITIES.
- FIL-2 t SEDIMENT BASIN BMP EXHIBIT 2, SEDIMENT BASIN, TEMPORARY REQUIRED FOR DE-WATERING ACTIVITIES, SEVERE SLOPES, AND LARGE DISTURBED AREAS.
- 36 t SILTSACK, TEMPORARY, TYPICAL AT ALL CATCH BASINS WITHIN OR DISTURBED BY CONSTRUCTION ACTIVITIES
- 43 t CULVERT SEDIMENT TRAP, TEMPORARY. TYPICAL AT ALL STORM OUTLETS AND STREAMS DISTURBED BY CONSTRUCTION ACTIVITIES
- FIL-8 t FILTER BMP EXHIBIT 8A, SILT FENCE, TEMPORARY. TYPICAL IN ALL AREAS, ESPECIALLY ADJACENT TO STREAMS, PONDS, ETC. AND ALONG PROJECT UNITS.
- TP TREE PROTECTION, INCLUDES TUNNELING UNDER TREES, TYPICAL FOR ALL TREES ENCOUNTERED UNLESS TREE REMOVAL IS DIRECTED BY THE ENGINEER.
- GA DENOTES GRAVEL ACCESS APPROACH. APPROACH SHALL BE INSTALLED TO PROVIDE STABLE ACCESS TO ROADWAYS AND MINIMIZE DUST AND TRACKING OF MATERIALS ONTO PUBLIC STREETS AND HIGHWAYS. THE APPROACH SHALL BE A MIN. OF 12' WIDE, 6" DEEP, AND CONSIST OF 2"-4" AGGREGATE.

- CONSTRUCTION NOTES**
- CONTRACTOR IS RESPONSIBLE TO PROTECT EXISTING CONCRETE CURBS AND CONCRETE SIDEWALKS TO REMAIN. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF REPAIRS DUE TO DAMAGES CAUSED BY CONSTRUCTION ACTIVITIES TO THE EXISTING CONCRETE CURBS AND CONCRETE SIDEWALKS.
 - CONTRACTOR IS RESPONSIBLE TO PROTECT ALL EXISTING UTILITIES INCLUDING MANHOLE CASTINGS, UNDERDRAINS, IRRIGATION LINES AND HEADS, LIGHT POLES AND STANCHIONS. THE CONTRACTOR IS RESPONSIBLE TO RELOCATE ANY IRRIGATION LINES OR HEADS ENCOUNTERED AND SHALL BE INCLUDED IN THE TOTAL CONTRACT PRICE. CONTRACTOR IS RESPONSIBLE FOR SAFE DISPOSAL OF ALL REMOVAL ITEMS OFF SITE.
 - ALL LIGHT POLES SHALL BE MOUNTED ON A RAISED CONCRETE POLE BASE PER DETAIL.
 - CONTRACTOR IS RESPONSIBLE FOR ELECTRICAL WIRING, POLE BASE AND PLACING/ASSEMBLING LIGHT AND LIGHT POLES

- EROSION CONTROL NOTES**
- CONSTRUCTION TO ENTER THROUGH EXISTING PAVEMENT THROUGH NORTH PARKING LOT ENTRANCE.
 - EARTH CHANGE LIMITED TO EXISTING AND PROPOSED HATCHED PARKING LOT PAVED AREA AND DRAINAGE DITCH AND AREAS IMMEDIATELY ADJACENT.

GENERAL SOIL EROSION MEASURES (APPLICABLE TO ENTIRE SITE)

- 7 P
- 15 P
- 14 t
- 36 t
- FIL-8 t
- TP

LEGEND

- 34 t MICHIGAN UNIFIED KEYING SYSTEM (MUKS)
- BEST MANAGEMENT PRACTICE (BMP)
- t TEMPORARY CONTROL MEASURE (DURING CONSTRUCTION AND UNTIL PERMANENT MEASURES ARE ESTABLISHED)
- P PERMANENT CONTROL MEASURE

NOTE:
SOIL EROSION AND SEDIMENTATION CONTROL MEASURES INDICATED ARE KNOWN OR ANTICIPATED CONTROL MEASURES NEEDED DURING TYPICAL CONSTRUCTION ACTIVITIES. ADDITIONAL CONTROL MEASURES MAY BE REQUIRED DUE TO CONSTRUCTION ACTIVITY, LOCATION, SOIL TYPE, WEATHER EVENT, ETC. ALL ADDITIONAL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES WILL BE INCIDENTAL TO THE CONSTRUCTION CONTRACT.

NOTE:
ALL UTILITIES SHOWN ARE APPROXIMATE LOCATIONS DERIVED FROM ACTUAL MEASUREMENTS AND AVAILABLE RECORDS. THEY SHOULD NOT BE INTERPRETED TO BE THE EXACT LOCATION NOR SHOULD IT BE ASSUMED THAT THEY ARE THE ONLY UTILITIES IN THIS AREA.

SYMBOL LEGEND

SCALE: 1" = 30'

B.M. #1
TOP OF CONC. LIGHT POLE BASE
SOUTH SIDE, PARKING LOT #7A.

- △ EXISTING TREE
- TREE STUMP
- BOLLARD
- ⊙ LIGHT POLE
- ⊙ POWER POLE
- ⊙ CLEANOUT
- ⊙ SANITARY SEWER MANHOLE
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- ⊙ MAILBOX
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- ⊙ COMMUNICATION STRUCTURE
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- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- EXISTING FORCEMAIN
- PROPOSED FORCEMAIN
- EXISTING WATERMAIN
- PROPOSED WATERMAIN

- EXISTING PAVEMENT
- PROPOSED PAVEMENT REPLACEMENT
- PROPOSED PAVEMENT
- EXISTING CONCRETE
- PROPOSED CONCRETE
- PROPOSED HEAVY DUTY CONCRETE

PARKING TABLE LOT NO. 7A

EXISTING STANDARD SPACES	46
EXISTING ADA SPACES	2
TOTAL EXISTING SPACES	48
PROPOSED STANDARD SPACES	54
PROPOSED ADA SPACES	3
TOTAL PROPOSED SPACES	57

BORINGS

SB 7A-1
4/28/2023
0-3": ASPHALT
3"-2": BROWN FINE SAND TO MEDIUM SAND
2"-3": GREY CLAY WITH TRACE SILT
3"-5": BROWN CLAY WITH TRACE GRAVEL AND SAND
GROUNDWATER AT 2.0-FT

SB 7A-2
4/28/2023
0-3": ASPHALT
3"-1": BROWN SAND AND GRAVEL
1"-2.5": BROWN FINE SAND - WET
2.5"-5": GREY SILTY CLAY
GROUNDWATER AT 2.0-FT

CONSTRUCTION NOTES

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EROSION CONTROL NOTES

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- EARTH CHANGE LIMITED TO EXISTING AND PROPOSED HATCHED PARKING LOT PAVED AREA AND DRAINAGE DITCH AND AREAS IMMEDIATELY ADJACENT.



Know what's below.
Call before you dig.

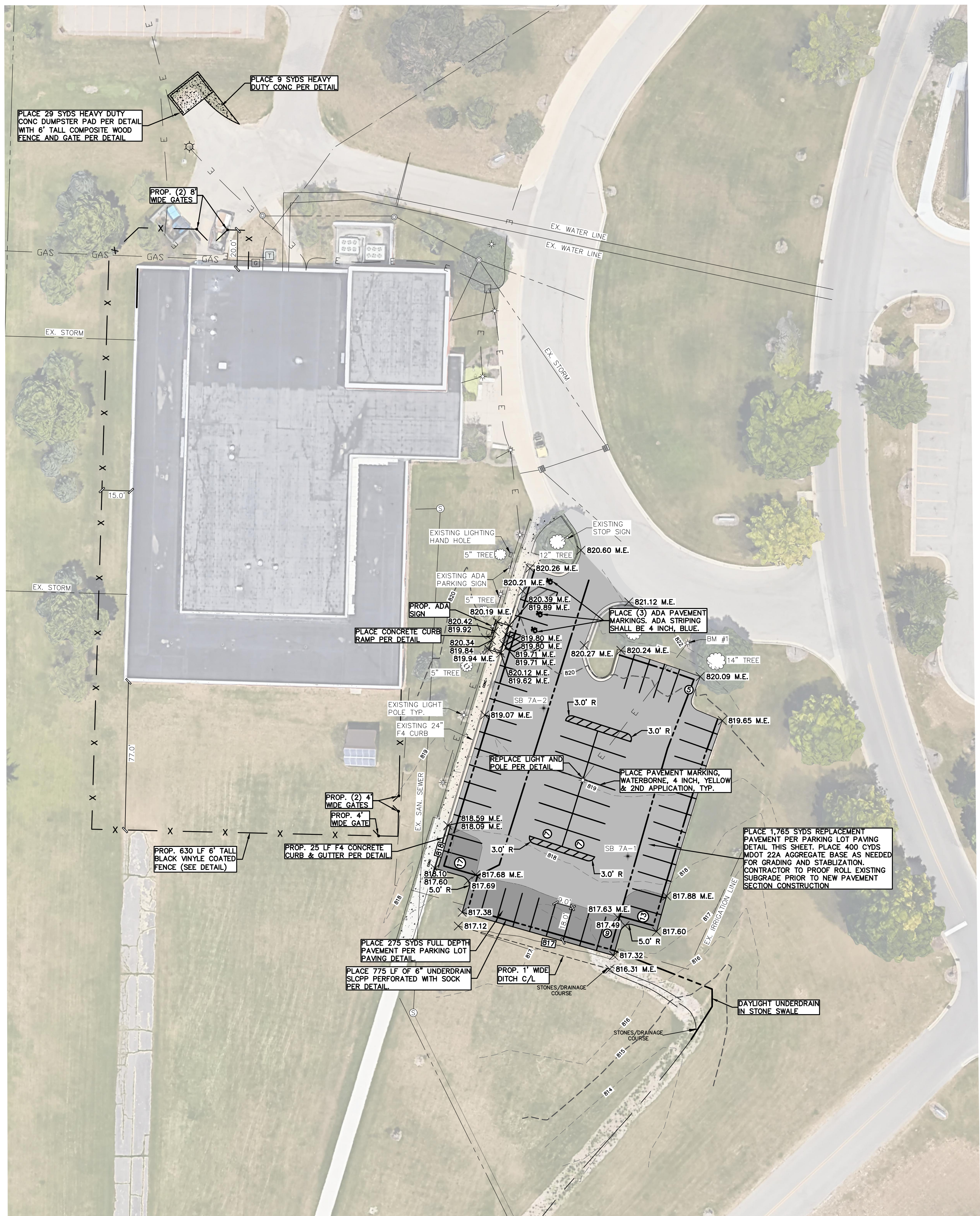
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UTILITY PLAN NOTES:

- CONTRACTOR SHALL CONTACT PRIVATE AND PUBLIC UTILITY COMPANIES IF ANY COORDINATION IS NEEDED BETWEEN PROPOSED WORK AND EXISTING UTILITIES.
- UTILITIES SHOWN (IF ANY) ARE APPROXIMATE LOCATIONS DERIVED FROM MEASUREMENTS OR AVAILABLE RECORDS. THIS MAP IS NOT TO BE INTERPRETED AS SHOWING EXACT LOCATIONS OR SHOWING ALL UTILITIES IN THE AREA. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF EXISTING UTILITY INFORMATION. THE CONTRACTOR SHALL FIELD VERIFY FOR ACCURACY, LOCATION, AND CONDITION.
- ALL WATERMAIN TO BE CONSTRUCTED IN ACCORDANCE WITH LOCAL WATER UTILITY STANDARDS AND EGLE STANDARDS.
- ALL SANITARY SEWER TO BE CONSTRUCTED IN ACCORDANCE WITH LOCAL SANITARY SEWER UTILITY STANDARDS AND EGLE STANDARDS.
- ALL 6" UNDERDRAIN TO BE CORRUGATED PLASTIC PIPE WITH SOCK, ADS N-12 OR APPROVED EQUAL.
- ALL STORM SEWER SHALL BE SMOOTH LINED CORRUGATED PLASTIC PIPE, ADS N-12 OR EQUAL, UNLESS OTHERWISE LABELED ON THE PLANS.
- ALL EXISTING CASTINGS FOR STRUCTURES TO BE ADJUSTED OR RECONSTRUCTED TO GRADE SHALL BE FIELD VERIFIED AT THE TIME OF CONSTRUCTION AND MARKED SUITABLE FOR SALVAGE AND REUSE OR REPLACED.
- ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED.
- CATCH BASINS WITHIN CONCRETE HEAD CURB SHALL HAVE EJ 7045 CASTINGS.
- CATCH BASINS WITHIN BIT VALLEY CURB SHALL HAVE EJ 7065 CASTINGS WITH M1 GRATE.
- CATCH BASINS WITHIN PAVED AREAS SHALL HAVE EJ 1020M1 RADIAL FLATE GRATE CASTINGS.
- STORM SEWER MANHOLES SHALL HAVE EJ 1020 CASTINGS WITH SOLID COVERS.
- STORM SEWER YARD DRAINS SHALL HAVE EJ 6508 CASTINGS.
- ROOF DRAINS SHALL BE PVC S01-40.
- CONTRACTOR IS TO UNCOVER AND VERIFY ALL TAP LOCATIONS AND INVERTS. LOCATION AND INVERT DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEERS ATTENTION FOR RESOLUTION PRIOR TO CONTINUING WORK.
- SANITARY AND STORM STRUCTURES SHALL BE PRECAST AND HAVE A MAXIMUM OF 2 ADJUSTING RINGS FOR FINISH GRADE ADJUSTMENT.
- THE CONTRACTOR SHALL MAINTAIN EXISTING UTILITY SERVICE TO ALL ADJOINING PROPERTIES.

SITE LAYOUT NOTES:

- ALL WORK SHALL BE DONE TO ALL FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS.
- ALL WORK WITHIN ROW SHALL BE DONE IN ACCORDANCE WITH LOCAL ROADWAY JURISDICTION REQUIREMENTS.
- CONTRACTOR SHALL RESTORE ALL STREET SURFACES, DRIVEWAYS, CULVERTS, ROADSIDE DRAINAGE, AND OTHER INFRASTRUCTURE DISTURBED OR DAMAGED DUE TO CONSTRUCTION ACTIVITIES TO MATCH EXISTING CONDITIONS.
- ALL DEBRIS SHALL BE REMOVED FROM THE SITE, AND NO STOCKPILING ON SITE SHALL BE ALLOWED UNLESS APPROVED BY OWNER.
- THE CONTRACTOR SHALL LIMIT SAWCUT AND PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE REQUIRED OR AS SHOWN. ALL PAVEMENTS TO BE REMOVED SHALL BE SAWCUT AND REMOVED TO FULL DEPTH AT ALL PAVEMENT LIMITS OR EXISTING JOINTS. IF ANY DAMAGE IS INCURRED TO ANY OF THE SURROUNDING PAVEMENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR AT NO ADDITIONAL COST.
- CONTRACTOR SHALL CONTACT MISS DIG THREE WORKING DAYS BEFORE YOU DIG. CALL MISS DIG AT 1-800-482-7171 OR 811.
- ALL WORK SHALL BE DONE TO THE MICHIGAN HANDICAPPED ACCESSIBILITY CODE AND THE AMERICANS WITH DISABILITIES ACT.
- ADA PARKING SPACES SHALL BE MARKED WITH APPROVED PAVEMENT SYMBOL. MARK ADA SPACES WITH 4" BLUE PAINT AND SIGNS PER MMUTCD.
- CONTRACTOR SHALL ENSURE ALL ADA RAMPS AND ACCESS MEET CURRENT ADA STANDARDS. IF IT IS DISCOVERED THAT ANY ITEMS WILL NOT MEET ADA STANDARDS IT SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION.
- ALL SIGNAGE SHALL BE PER MDOT AND MMUTCD STANDARDS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS, PERMIT COSTS, DEMOLITION PERMITS, TAP FEES, ASSESSMENTS, UTILITY PERMITS, ROW PERMITS, BONDS, INSURANCE, OR OTHER FEES ASSOCIATED WITH CONSTRUCTION.
- SITE CONCRETE TO HAVE A COMPRESSIVE STRENGTH OF A MINIMUM 4000 PSI AND SHALL HAVE LIMESTONE AGGREGATE AND SHALL HAVE A 5.5%-8% AIR ENTRAINMENT WITH A BROOM FINISH.
- INSTALL EXPANSION JOINTS AT ALL LOCATIONS WHERE CONCRETE ABUTS HMA PAVEMENT.
- CONTRACTOR SHALL REVIEW THE GEOTECHNICAL AND ENVIRONMENTAL REPORTS FOR THE SITE AND INCORPORATE INTO THEIR CONSTRUCTION MEANS AND METHODS.
- THESE PLANS HAVE BEEN DEVELOPED FOR ELECTRONIC FIELD SURVEY LAYOUT. DIMENSIONS SHOWN ARE FOR GRAPHIC PRESENTATION ONLY AND SHOULD NOT BE USED FOR LAYOUT. CONTACT THE ENGINEER IF ANY DISCREPANCIES BETWEEN THE PLAN AND ELECTRONIC DATA ARE DISCOVERED.
- THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY LIGHTS, BARRICADES, FLAGMEN, ETC. AS REQUIRED TO PERFORM THE WORK. THE INSTALLATION AND OPERATION OF ALL TEMPORARY TRAFFIC CONTROL AND TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE PROVIDED BY THE CONTRACTOR WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.
- THE CONTRACTOR SHALL PROTECT LOCATION OF ALL PROPERTY MARKERS AND BENCHMARKS.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL SIGNS, BARRICADES, AND SAFETY FENCES TO DETER PEOPLE FROM ENTERING THE WORK AREA AND FOR MAINTAINING AND PROTECTING THE FLOW OF VEHICULAR AND PEDESTRIAN TRAFFIC AROUND THE JOB SITE. TRAFFIC CONTROLS SHALL BE COORDINATED WITH THE LOCAL POLICE DEPARTMENT AND MUNICIPALITY.
- PRIOR TO CONSTRUCTION OR GRADING A PROTECTIVE BARRIER, FENCE, POST, AND SIGNS CLEARLY INDICATING LIMITS OF DISTURBANCE SHALL BE INSTALLED INDICATING NO TREE REMOVAL OR DISTURBANCES OUTSIDE LIMITS.
- NO PARKING OF CONTRACTOR OR SUBCONTRACTORS SHALL BE ALLOWED ON PUBLIC STREETS WITHOUT PRIOR APPROVAL.
- NO BUILDING MATERIAL, EQUIPMENT, VEHICLES, OR CHEMICALS SHALL BE STORED OR PLACED OUTSIDE OF THE LIMITS OF DISTURBANCE.
- CONSTRUCTION NOISE SHALL BE KEPT TO A MINIMUM DURING NIGHTTIME HOURS AND MUST COMPLY WITH LOCAL MUNICIPAL ORDINANCES.
- ALL VERTICAL FACE OF CURBS SHALL BE PAINTED YELLOW WHEN BETWEEN 0 AND 6 INCHES TALL.

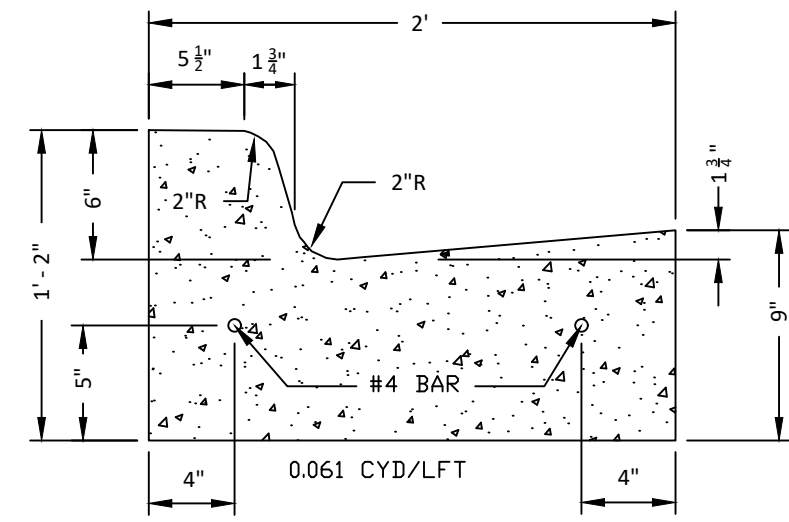


NO.	DATE	REVISION	BY
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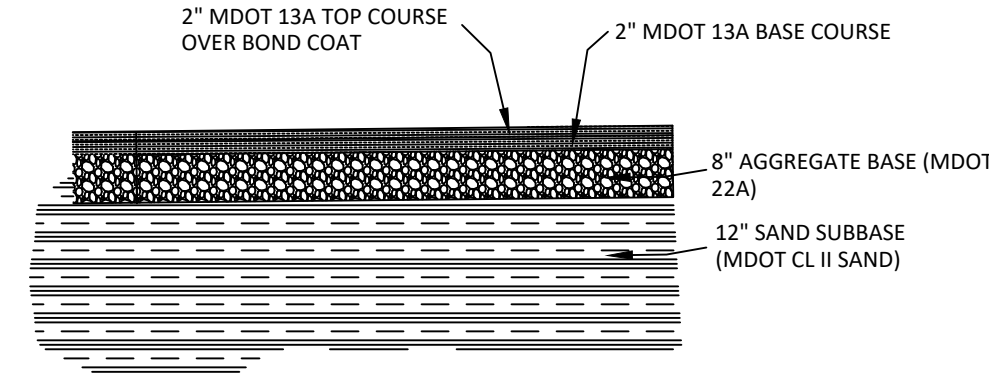
KENT INTERMEDIATE SCHOOL DISTRICT
KENT COUNTY, MICHIGAN
PARKING LOT 7A IMPROVEMENTS
PROPOSED LOT

Vriesman & Korhorn
Byron Center, MI (616) 277-2185
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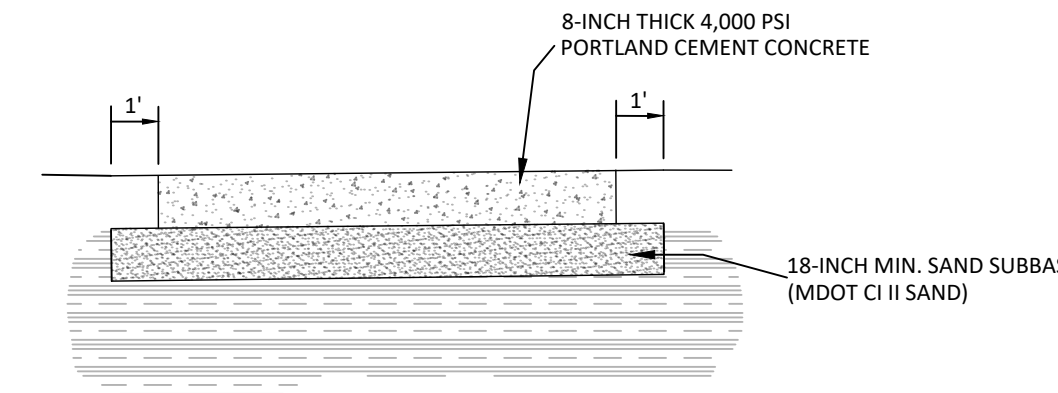
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**MDOT DETAIL F4
CONCRETE CURB & GUTTER**
NOT TO SCALE

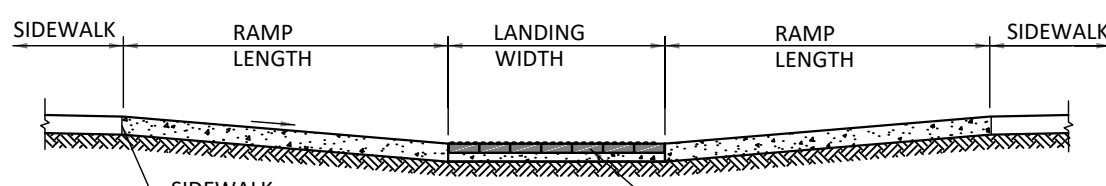
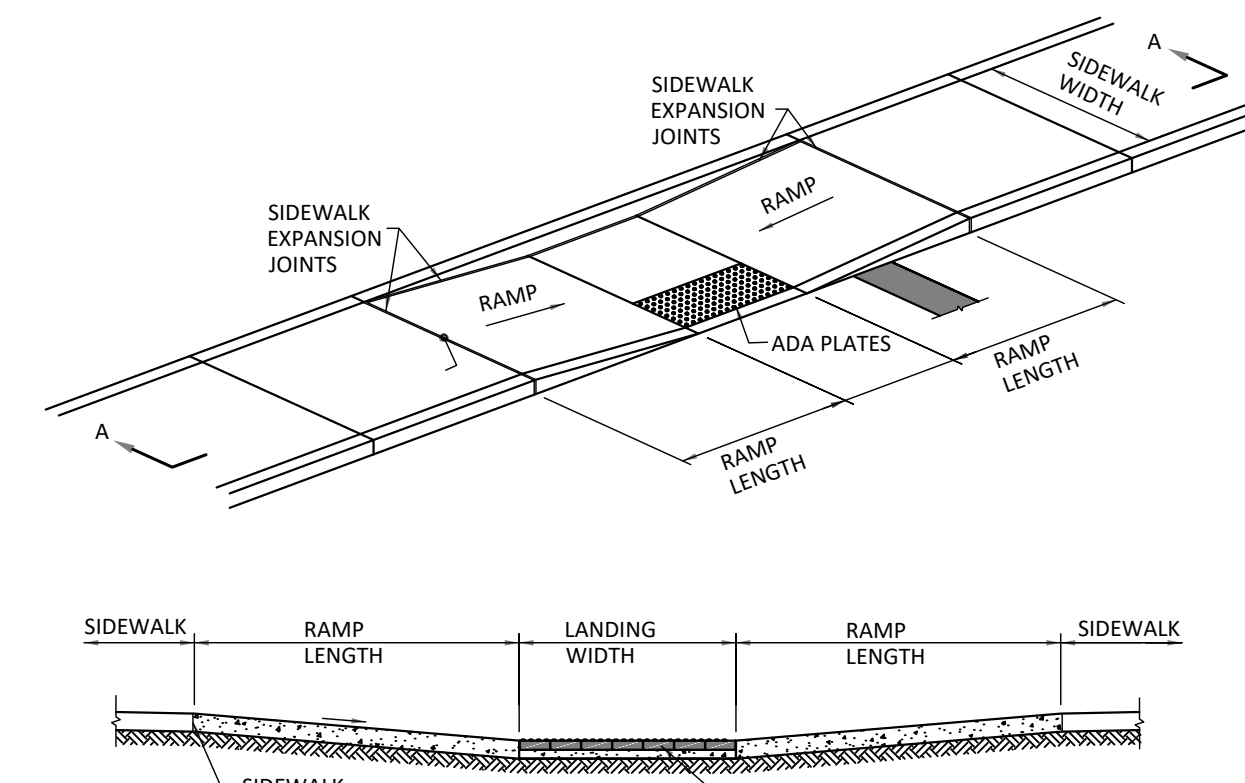


PARKING LOT PAVING DETAIL
NOT TO SCALE



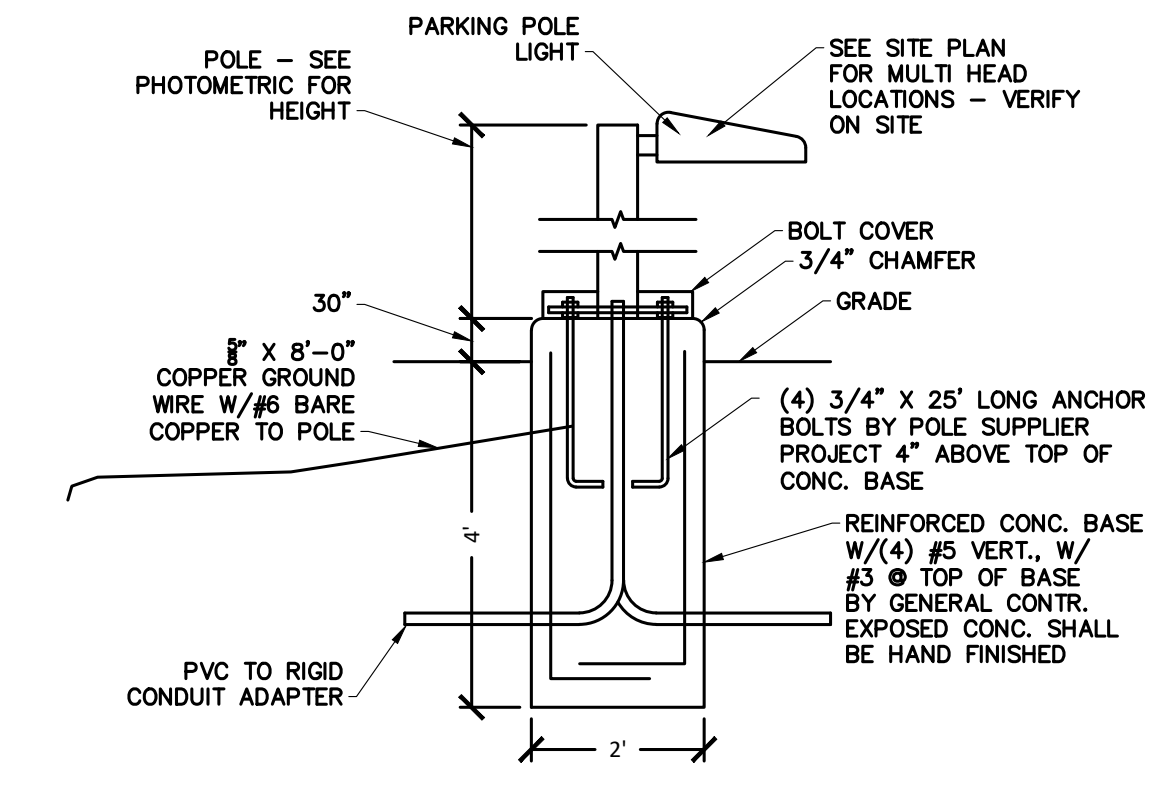
HEAVY DUTY CONCRETE PAVMENT DETAIL

- NOTES:
1. 1/4" WIDE SAWCUT CONTROL JOINTS TO 2.5" DEPTH AT 10' O.C. EACH DIRECTION WITHIN 12 HOURS OF FINISHING CONCRETE.
 2. ISOLATION JOINTS WHERE PAVEMENT ABUTS PROPOSED STRUCTURES OR OTHER PAVEMENTS.

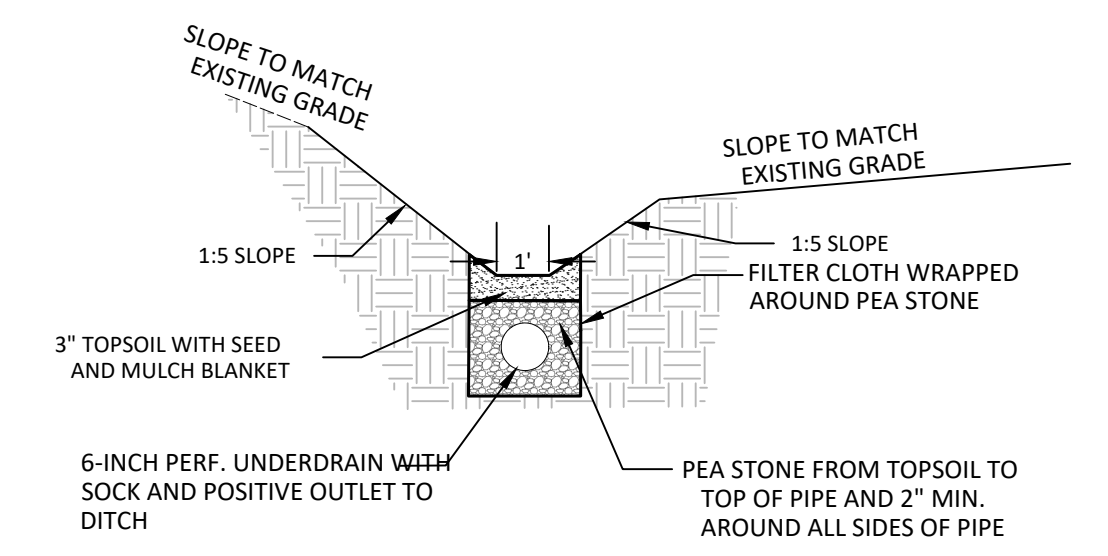


PARALLEL CURB RAMP DETAIL
NOT TO SCALE

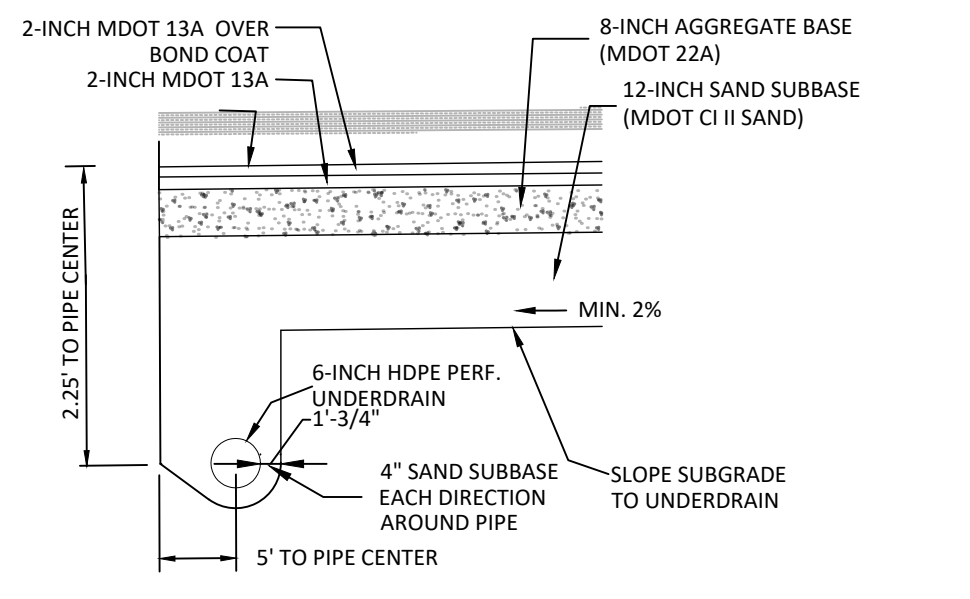
- NOTES:
1. THE BOTTOM EDGE OF THE LANDING AND THE TOP EDGE OF CURB SHALL BE FLUSH WITH THE EDGE OF ADJACENT PAVEMENT AND GUTTER LINE.
 2. CURB RAMP SURFACE SHALL BE COARSE BROOMED TRANSVERSE TO THE RUNNING SLOPE.
 3. LANDING SHALL HAVE A MINIMUM CLEAR DIMENSION OF 4'x4' AND A RUNNING SLOPE OF 2% MAX.
 4. ADA PLATES SHALL BE EAST JORDAN IRON WORKS CAST IRON PLATES.



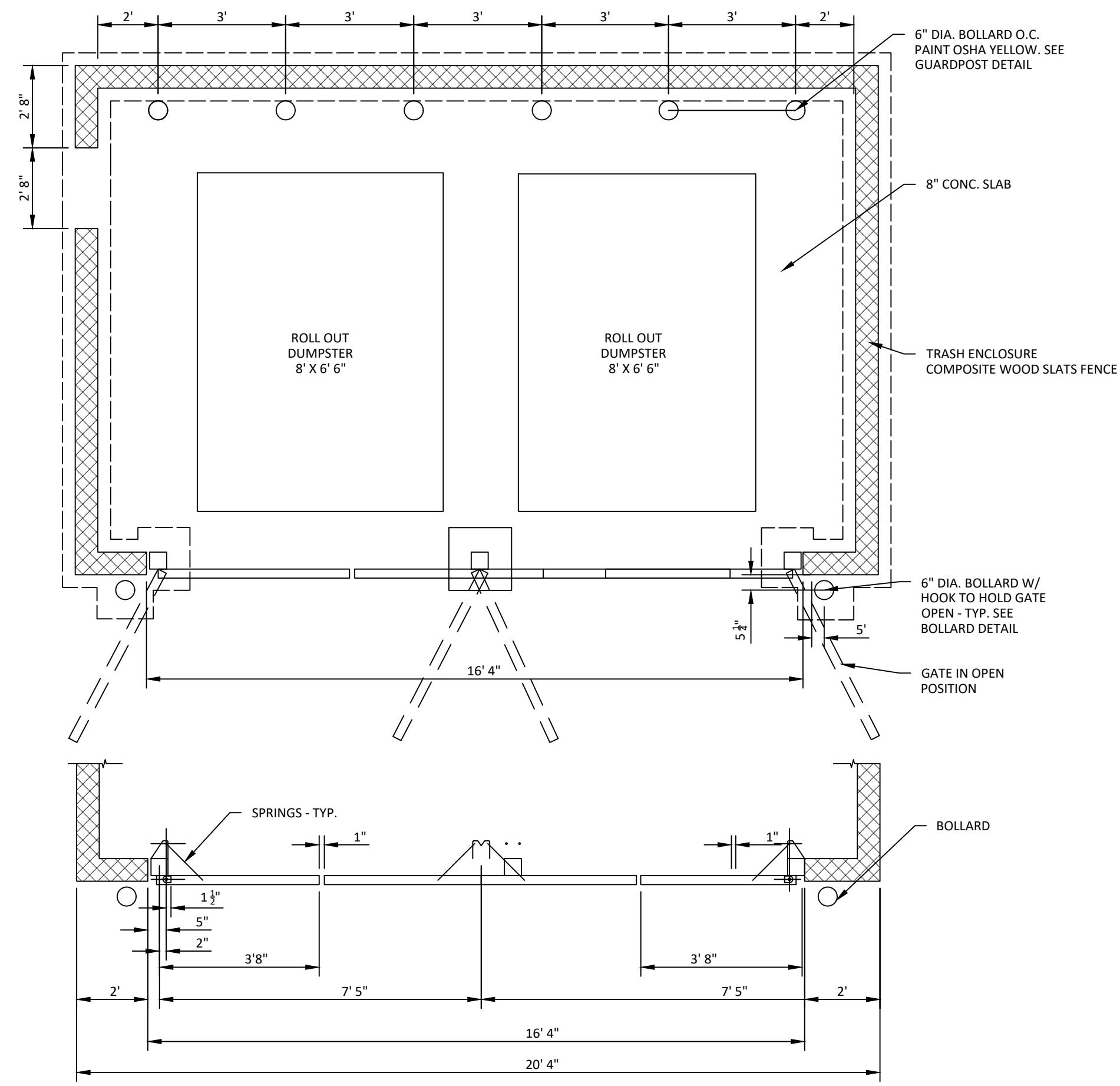
POLE BASE DETAIL
POLE BASE TO BE PER MANUFACTURER SPECIFICATIONS
NOT TO SCALE



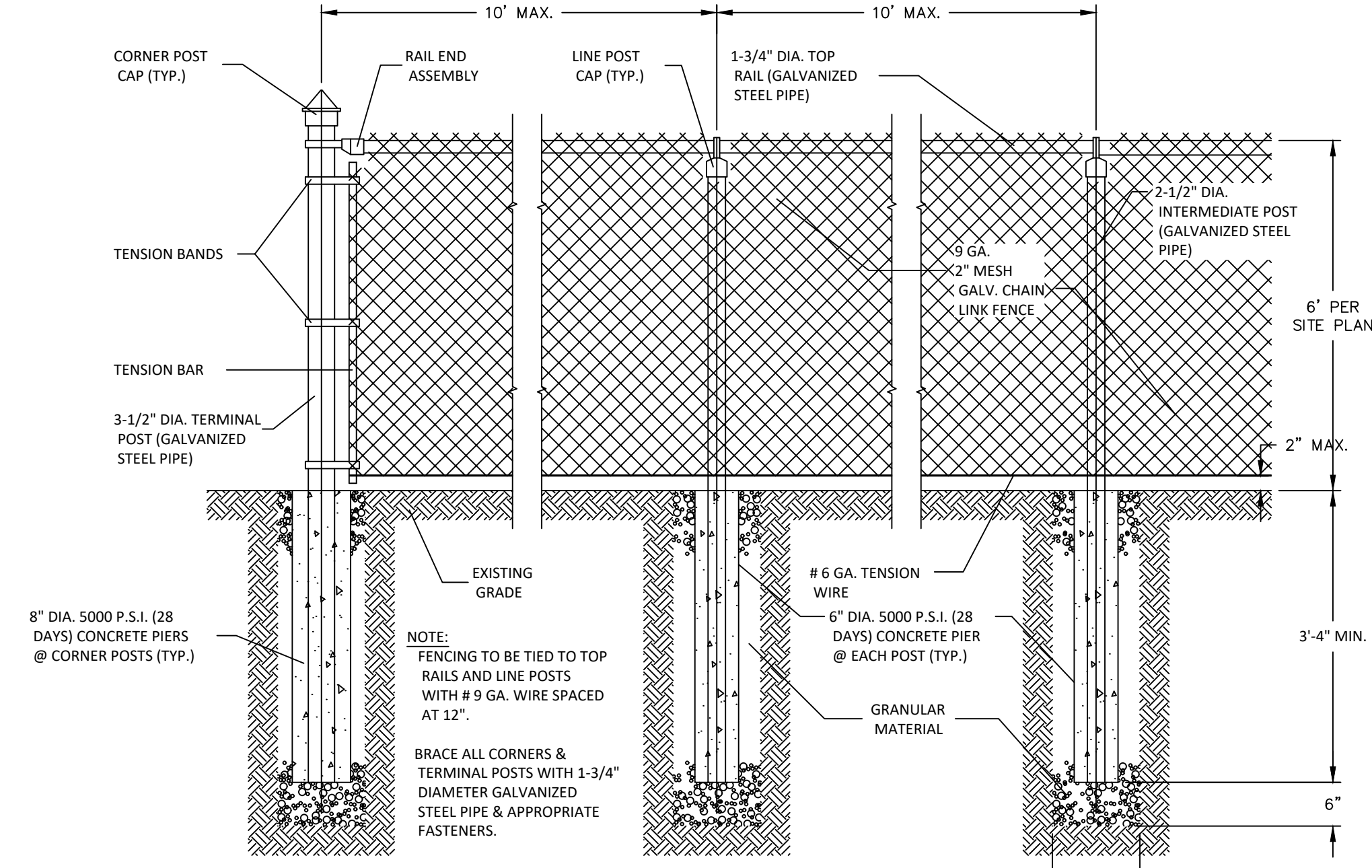
UNDERDRAIN DETAIL
NOT TO SCALE



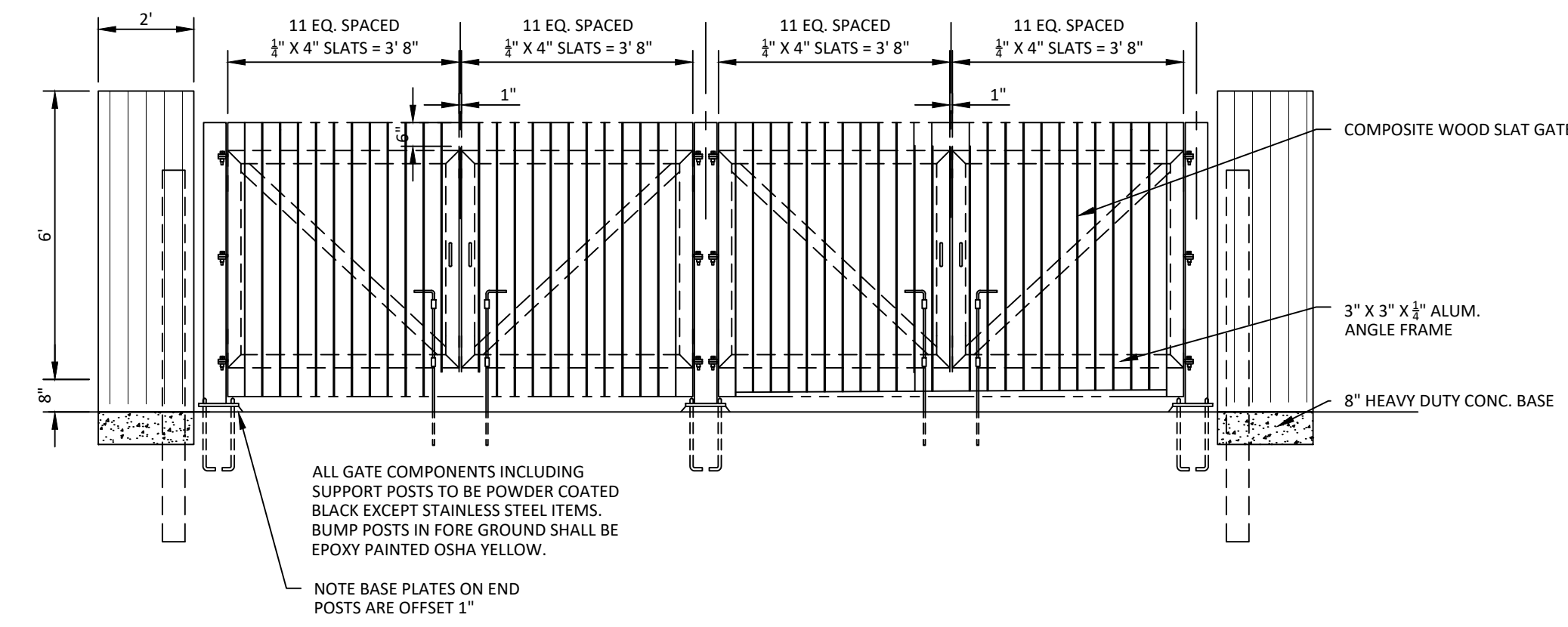
UNDERDRAIN CROSS SECTION
NO SCALE



DUMPSTER ENCLOSURE DETAIL
NOT TO SCALE



CHAIN LINK FENCE DETAIL
NOT TO SCALE



NO.	DATE	REVISION	BY
0	2/17/2025	FOR BIDDING	CJW

KENT INTERMEDIATE SCHOOL DISTRICT
KENT COUNTY, MICHIGAN
**PARKING LOT 7A IMPROVEMENTS
DETAILS**

VK CIVIL Vriesman & Korhorn
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www.VKcivil.com

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Sheet No. 4 OF 4