

GENERAL NOTES

- EXISTING CONDITIONS AS DEPICTED ON THESE PLANS ARE GENERAL AND ILLUSTRATIVE IN NATURE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE SITE AND BE FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BIDDING ON THIS PROJECT. IF CONDITIONS ENCOUNTERED DURING EXAMINATION ARE SIGNIFICANTLY DIFFERENT FROM THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER/CONSTRUCTION MANAGER IMMEDIATELY.
- EXISTING SITE INFORMATION AND TOPOGRAPHIC SURVEY WAS PREPARED BY WOOLPERT INC., DATED APRIL 29, 2021. ANY SITE CHANGES/MODIFICATIONS MADE AFTER THIS SURVEY ARE NOT REFLECTED IN THESE PLANS. CONTRACTOR TO NOTIFY WOOLPERT, INC. OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH CONSTRUCTION. ITEMS INDICATED AS PER RECORDS AND OUTSIDE THE SURVEY LIMITS ARE BASED ON VARIOUS RECORD DRAWINGS PROVIDED BY THE OWNER. WOOLPERT IS NOT RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN.
- THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES (INCLUDING THOSE LABELED PER RECORDS) PRIOR TO THE BEGINNING OF CONSTRUCTION OR EARTH MOVING OPERATIONS. INFORM ARCHITECT/ENGINEER/CONSTRUCTION MANAGER OF ANY CONFLICTS DETRIMENTAL TO THE DESIGN INTENT.
- 48 HOURS PRIOR TO COMMENCEMENT OF DIGGING, CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES: THE KENTUCKY UTILITY PROTECTION SERVICES 811, AND ALL OTHER AGENCIES THAT MAY HAVE UNDERGROUND UTILITIES WITHIN THE PROJECT LIMITS AND ARE NON-MEMBERS OF KENTUCKY UNDERGROUND PROTECTION SERVICES.
- THE CONTRACTOR AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR COMPLYING WITH APPLICABLE FEDERAL, STATE AND LOCAL REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SUBCONTRACTORS TO INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK.
- THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER AND OWNERS REPRESENTATIVE FOR ANY AND ALL INJURIES AND/OR DAMAGES TO PERSONNEL, EQUIPMENT AND/OR EXISTING FACILITIES OCCURRING IN THE COURSE OF THE DEMOLITION AND CONSTRUCTION DESCRIBED IN THE PLANS AND SPECIFICATIONS.
- CONTRACTOR SHALL OBTAIN A PERMIT FOR ALL CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH LOCAL, STATE, & FEDERAL REGULATIONS.
- THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL CODES, OBTAIN ALL APPLICABLE PERMITS, AND PAY ALL REQUIRED FEES PRIOR TO COMMENCING WORK.
- ANY WORK PERFORMED IN HIGHLAND HEIGHTS, KENTUCKY RIGHT OF WAYS SHALL BE IN ACCORDANCE WITH THE APPLICABLE HIGHLAND HEIGHTS, KENTUCKY REQUIREMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE NECESSARY PERMITS FOR THE WORK, SCHEDULE NECESSARY INSPECTIONS, AND PROVIDE THE NECESSARY TRAFFIC CONTROL MEASURES AND DEVICES, ETC., FOR WORK PERFORMED IN THE RIGHT OF WAYS.
- THE CONTRACTOR IS TO PERFORM ALL INSPECTIONS AS REQUIRED BY THE ENERGY AND ENVIRONMENTAL CABINET FOR THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AND FURNISH OWNERS REPRESENTATIVE WITH WRITTEN REPORTS.
- CONTRACTOR SHALL IMPLEMENT ALL SOIL AND EROSION CONTROL PRACTICES REQUIRED BY THE CITY OF HIGHLAND HEIGHTS AND THE KENTUCKY DEP.
- ALL GROUND SURFACE AREAS THAT HAVE BEEN EXPOSED OR LEFT BARE AS A RESULT OF CONSTRUCTION AND ARE TO FINAL GRADE AND ARE TO REMAIN SO, SHALL BE SEEDED AND MULCHED AS SOON AS PRACTICAL IN ACCORDANCE WITH THE FOLLOWING SEED MIXTURE:
LIGHT REQUIREMENTS: SUN
CONTAINER TYPE: BAG
COMPOSITIONS: 80% TURF-TYPE FESCUE (3 VARIETIES)
20% TURF-TYPE PERENNIAL RYEGRASS (1 VARIETY)
COVERAGE AREA: 6-8 LBS / 1,000 SQ. FT.
TYPE: ALL PRO TEAM MATS SELECT
REGULATED: NO
BRAND NAME: LESCO, OR APPROVED EQUAL
- SECTION NUMBERS REFER TO THE KYTC CONSTRUCTION AND MATERIAL SPECIFICATIONS, AND ALL CONSTRUCTION WORK SHALL BE DONE ACCORDING TO SAID SPECIFICATIONS AND IN ACCORDANCE WITH APPLICABLE STANDARDS OF THE CITY OF HIGHLAND HEIGHTS. WHEN IN CONFLICT, THE CITY REQUIREMENTS SHALL PREVAIL.
- ALL WORK PERFORMED BY THE CONTRACTOR SHALL CONFORM TO THE LATEST REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT.
- THE CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET IN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THE PROJECT.
- BEFORE INSTALLATION OF STORM SEWER, SANITARY SEWER, ELECTRICAL CONDUIT, WATERLINE OR ANY OTHER UTILITY, THE CONTRACTOR SHALL VERIFY ALL CROSSINGS, BY EXCAVATION WHERE NECESSARY, AND INFORM THE OWNER AND THE ARCHITECT/ENGINEER/CONSTRUCTION MANAGER OF ANY CONFLICTS. THE DESIGN ENGINEER WILL BE HELD HARMLESS IF NOT NOTIFIED OF DESIGN CONFLICTS PRIOR TO CONSTRUCTION.
- ADJUST OR RECONSTRUCT ALL EXISTING CASTINGS, CLEANOUTS, ETC. WITHIN PROJECT AREA TO MEET PROPOSED GRADE AS REQUIRED.
- CONTRACTOR TO REMOVE & REPLACE PAVEMENT AS SPECIFIED.
- THE CONTRACTOR SHALL CHECK EXISTING GRADES, DIMENSIONS, AND INVERTS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE PRIOR TO BEGINNING WORK.
- THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN, RELOCATE EXISTING UTILITIES AS INDICATED, OR AS NECESSARY FOR CONSTRUCTION.
- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING PAVEMENT AND NEW PAVEMENT. FIELD ADJUSTMENT OF FINAL GRADES MAY BE NECESSARY. INSTALL ALL UTILITIES PRIOR TO INSTALLATION OF PAVED SURFACES.
- SITE WORK CONCRETE WALKS AND PADS SHALL HAVE A BROOM FINISH TO ALL SURFACES. SITE WORK CONCRETE SHALL BE CLASS A (4,000 PSI @ 28 DAYS) UNLESS OTHERWISE NOTED.
- ALL DAMAGE TO EXISTING PAVEMENT, SIDEWALK, CURB, LANDSCAPING, UTILITIES, AND ANY OTHER ITEMS TO REMAIN, WHICH RESULTS FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED WITH LIKE MATERIALS AT THE CONTRACTOR'S EXPENSE.
- SITE DIMENSIONS SHOWN ARE TO THE FACE OF CURB, BUILDING, WALL, EDGE OF PAVEMENT, OR COLUMN LINE UNLESS OTHERWISE NOTED.
- COORDINATES ARE FOR BUILDING COLUMNS, EXTERIOR BUILDING WALLS, CENTERS OF DRIVEWAYS, CENTER OF SANITARY SEWER MANHOLES, AND CENTER OF STRUCTURES PLACED SIX INCHES INSIDE FACE OF CURB FOR DRAIN INLETS, UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL MAINTAIN ONE SET OF AS-BUILT/RECORD DRAWINGS ON-SITE DURING CONSTRUCTION FOR DISTRIBUTION TO THE OWNER AND/OR OWNER'S REPRESENTATIVE UPON COMPLETION.
- THIS SITE LAYOUT IS SPECIFIC TO THE APPROVALS NECESSARY FOR THE CONSTRUCTION IN ACCORDANCE WITH THE CITY OF HIGHLAND HEIGHTS. NO CHANGES TO THE SITE LAYOUT ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER. CHANGES MADE TO THE SITE LAYOUT WITHOUT APPROVAL IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. CHANGES INCLUDE BUT ARE NOT LIMITED TO, INCREASED IMPERVIOUS PAVEMENT, ADDITION/DELETION OF PARKING SPACES, MOVEMENT OF CURB LINES, CHANGES TO DRAINAGE STRUCTURES AND PATTERNS, LANDSCAPING, ETC.
- SITE SIGNAGE AND STRIPING SHALL BE IN ACCORDANCE WITH THE FHWA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

DEMOLITION NOTES

- ALL EXISTING ABOVE AND BELOW GROUND STRUCTURES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REMOVED UNLESS NOTED OTHERWISE SPECIFIED WITHIN THIS CONSTRUCTION SET AND/OR PROJECT MANUAL. THIS INCLUDES WALLS AND FOOTINGS. CAVITIES LEFT BY STRUCTURE REMOVAL SHALL BE BACKFILLED WITH SATISFACTORY MATERIALS AND COMPACTED TO THE GEOTECHNICAL ENGINEER'S RECOMMENDATION.
- CLEARING LIMITS SHALL BE PHYSICALLY MARKED IN THE FIELD BY THE CONTRACTOR.
- NO TREES SHALL BE REMOVED, NOR VEGETATION DISTURBED BEYOND THE LIMITS OF CONSTRUCTION WITHOUT THE EXPRESS WRITTEN APPROVAL OF THE OWNER'S REPRESENTATIVE.
- TREE PROTECTION FENCING SHALL BE IN ACCORDANCE WITH THE CITY OF HIGHLAND HEIGHTS STANDARDS - OR - IN ACCORDANCE WITH THE DETAILED DRAWINGS. DO NOT OPERATE OR STORE EQUIPMENT, NOR HANDLE OR STORE MATERIALS WITHIN THE DRIP LINES OF THE TREES SHOWN TO REMAIN.
- PROTECTION OF EXISTING TREES AND VEGETATION: PROTECT EXISTING TREES AND OTHER VEGETATION INDICATED TO REMAIN IN PLACE AGAINST UNNECESSARY CUTTING, BREAKING OR SKINNING OF ROOTS, SKINNING OR BRUISING OF BARK, SMOOTHING OF TREES BY STOCKPIILING CONSTRUCTION MATERIALS OR EXCAVATED MATERIALS WITHIN DRIP LINE, EXCESS FOOT OR VEHICULAR TRAFFIC, OR PARKING OF VEHICLES WITHIN DRIP LINE. PROVIDE TEMPORARY GUARDS TO PROTECT TREES AND VEGETATION TO BE LEFT STANDING.
- ALL DEMOLITION WASTE AND CONSTRUCTION DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED. ALL DEBRIS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OFF-SITE IN A STATE APPROVED WASTE SITE AND IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. REPAIR DAMAGE ACCORDING TO THE APPROPRIATE UTILITY COMPANY STANDARDS AND AT THE CONTRACTOR'S EXPENSE.
- ALL UTILITY DISCONNECTION, REMOVAL, RELOCATION, CUTTING, CAPPING AND/OR ABANDONMENT SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANY OR AGENCY. LOCAL UTILITY CONTACTS ARE PROVIDED ON THIS SHEET.
- THE BURNING OF CLEARED MATERIAL AND DEBRIS SHALL NOT BE ALLOWED UNLESS CONTRACTOR OBTAINS PRIOR LEGAL WRITTEN AUTHORIZATION FROM THE LOCAL AUTHORITIES.
- EROSION & SEDIMENT CONTROL MEASURES AROUND AREAS OF DEMOLITION SHALL BE PROPERLY INSTALLED AND FUNCTIONING PROPERLY PRIOR TO INITIALIZATION OF DEMOLITION ACTIVITIES.
- ASBESTOS OR HAZARDOUS MATERIAL ARE NOT EXPECTED. IF FOUND ON SITE, SUCH MATERIALS SHALL BE REMOVED BY A LICENSED HAZARDOUS MATERIALS CONTRACTOR. CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY IF HAZARDOUS MATERIALS ARE ENCOUNTERED.
- CONTRACTOR SHALL ADHERE TO ALL LOCAL, STATE, FEDERAL AND OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS DURING ALL DEMOLITION AND CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL PROTECT ALL CORNER PINS, MONUMENTS, PROPERTY CORNERS AND BENCHMARKS DURING DEMOLITION ACTIVITIES. IF DISTURBED, CONTRACTOR SHALL HAVE DISTURBED ITEMS RESET BY A LICENSED SURVEYOR AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES, STRUCTURES, AND FEATURES TO REMAIN. ANY ITEMS TO REMAIN THAT HAVE BEEN DISTURBED OR DAMAGED AS A RESULT OF CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH STATE DEPARTMENT OF TRANSPORTATION REGULATIONS, AND AS REQUIRED BY LOCAL AGENCIES WHEN WORKING IN AND/OR ALONG STREETS, ROADS, HIGHWAYS, ETC. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL AND COORDINATE WITH LOCAL AND/OR STATE AGENCIES REGARDING THE NEED, EXTENT AND LIMITATIONS ASSOCIATED WITH INSTALLING AND MAINTAINING TRAFFIC CONTROL MEASURES.
- PROVIDE STRAIGHT, FULL DEPTH, AND NEAT SAW CUTS OF EXISTING PAVEMENT WHERE INDICATED ALONG LIMITS OF PAVEMENT DEMOLITION.
- ALL PAVEMENT, BASE COURSES, SIDEWALKS, CURBS, BUILDINGS, FOUNDATIONS, ETC., WITHIN THE AREA THAT ARE INDICATED TO BE DEMOLISHED SHALL BE REMOVED TO FULL DEPTH. EXISTING BASE COURSE MATERIALS MAY BE WORKED INTO THE NEW PAVEMENT OR BUILDING SUBGRADE IF THE GRADATION, CONSISTENCY, COMPACTION, SUBGRADE CONDITION, ETC., ARE IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. BASE COURSE MATERIALS SHALL NOT BE WORKED INTO THE SUBGRADE AREAS TO RECEIVE LANDSCAPING.
- THE CONTRACTOR SHALL USE SUITABLE METHODS TO CONTROL DUST AND DIRT CAUSED BY THE DEMOLITION ACTIVITIES.

SITE EARTHWORK NOTES

- ALL PROPOSED GRADES SHOWN ARE FINAL GRADES, TOP OF GROUND LEVEL, OR TOP OF PAVEMENT, OR GRATE ELEVATION AT THE DRAWDOWN POINT, UNLESS INDICATED OTHERWISE.
- CONTRACTOR SHALL STRICTLY ADHERE TO THE EROSION & SEDIMENT CONTROL PLAN PREPARED FOR THIS PROJECT.
- EARTHWORK SHALL INCLUDE CLEARING AND GRUBBING, STRIPPING AND STOCKPIILING TOPSOIL, MASS GRADING, EXCAVATION, FILLING, UNDERCUT AND REPLACEMENT, IF REQUIRED, AND COMPACTION.
- CONTRACTOR TO REFILL UNDERCUT AREAS WITH SUITABLE MATERIAL AND COMPACT AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
- PLACE TOPSOIL OVER THE SUBGRADE OF UNPAVED, DISTURBED AREAS TO A DEPTH INDICATED ON THE LANDSCAPE PLANS (4" MINIMUM).
- PAVEMENT SLOPES ACROSS ACCESSIBLE PARKING STALLS AND ADJOINING ACCESS AISLES SHALL BE MAXIMUM 2% AND SHALL CONFORM TO THE LATEST REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT.
- ALL AREAS NOT PAVED SHALL BE ESTABLISHED IN ACCORDANCE WITH THE GRADING & EROSION CONTROL PLAN, UNLESS NOTED OTHERWISE.
- COMPACTED FILLS ARE TO BE MADE TO A MINIMUM OF THREE FEET ABOVE THE CROWN OF ANY PROPOSED SEWER PRIOR TO CUTTING OF TRENCHES FOR PLACEMENT OF SAID SEWERS. ALL FILLS SHALL BE CONTROLLED, COMPACTED, AND INSPECTED BY AN APPROVED TESTING LABORATORY OR AN INSPECTOR FROM THE APPROPRIATE GOVERNMENTAL AGENCY.
- ALL EXCESS SOIL MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED AND SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OFF-SITE AT NO ADDITIONAL COST TO THE OWNER IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.
- THE CONTRACTOR IS RESPONSIBLE FOR BALANCING THE SITE EARTHWORK BY IMPORTING OR EXPORTING AS NECESSARY TO ACHIEVE DESIGN GRADES AND SPECIFICATIONS.

STORM DRAINAGE NOTES

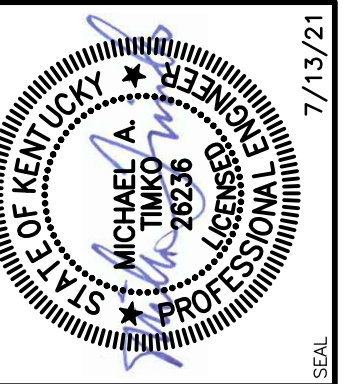
- DISTANCES SHOWN ON PIPING ARE HORIZONTAL DISTANCES FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED, CONTRACTOR RESPONSIBLE FOR ACTUAL FIELD CUT LENGTH.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE INSTALLATION, INSPECTION, TESTING AND FINAL ACCEPTANCE OF ALL NEW STORMWATER MANAGEMENT FACILITIES CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH ALL APPLICABLE REGULATING AGENCIES CONCERNING INSTALLATION, INSPECTION AND APPROVAL OF THE STORM DRAINAGE SYSTEM CONSTRUCTION.
- ALL STORMWATER MANAGEMENT FACILITIES, INCLUDING COLLECTION AND CONVEYANCE STRUCTURES SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL AND STATE CODES AND REGULATIONS.
- ALL CATCH BASINS IN THE PAVEMENT OR CURB ARE TO HAVE A MINIMUM OF ONE, 4" PERFORATED UNDERDRAIN EXTENDING FROM THE CATCH BASIN.
- ALL PROPOSED STORM SEWERS, SURFACE OR OTHER DRAINAGE FACILITIES ARE TO BE PRIVATE AND MAINTAINED BY THE OWNER.
- ALL STORM STRUCTURES ARE KYTC TYPES UNLESS OTHERWISE INDICATED.
- ALL CATCH BASINS AND MANHOLES WITH A DEPTH GREATER THAN 4- FEET SHALL BE PROVIDED WITH STEPS. STEPS SHALL MEET THE REQUIREMENTS OF KYTC SPECIFICATION ITEM 710.02.14.
- STORM SEWER PIPE LABELED "SD" SHALL BE ONE OF THE FOLLOWING: CONTECH ULTRA FLO ALUMINIZED CORRUGATED METAL, KYTC ITEM 810.04, HIGH DENSITY POLYETHYLENE PER KYTC ITEM 810.06.02, OR REINFORCED CONCRETE PIPE, KYTC ITEM 810.03. ALL STORM SEWER TO BE SMOOTH WALLED, WITH A MANNINGS COEFFICIENT OF 0.012-0.013. STORM SEWER PIPE LABELED "RCP" SHALL BE REINFORCED CONCRETE PIPE, KYTC ITEM 810.03. ALL STORM SEWER IS TO BE INSTALLED PER KYTC ITEM 701.03.
- STORM SEWER IS TO BE BEDDED WITH CLEAN GRANULAR MATERIAL-AGGREGATES NOT TO BE LARGER THAN 3/4" AND NOT SMALLER THAN NO. 8 SIEVE, FREE OF SILT AND FINES, AASHTO M43 SIZE #67, 7 OR 8. BEDDING TO BE MINIMUM OF 6" BELOW & 12" ABOVE THE PIPE.

UTILITY NOTES

- ALL PROPOSED UTILITY LINES AND EXTENSIONS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF HIGHLAND HEIGHTS SPECIFICATIONS. CONTRACTOR SHALL COORDINATE UTILITY DISCONNECTIONS WITH THE APPROPRIATE AGENCIES.
- THE CONTRACTOR IS PARTICULARLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF THE EXISTING UTILITIES SHOWN HEREON IS BASED ON TOPOGRAPHIC SURVEYS AND RECORD DRAWINGS. THE CONTRACTOR SHALL NOT RELY UPON THIS INFORMATION AS BEING EXACT OR COMPLETE. SHOULD UNCHARTED UTILITIES BE ENCOUNTERED DURING EXCAVATION OPERATIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AS SOON AS POSSIBLE FOR INSTRUCTIONS. THE CONTRACTOR SHALL CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION AND REQUEST FIELD VERIFICATION OF UTILITY LOCATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO RELOCATE EXISTING UTILITIES CONFLICTING WITH IMPROVEMENTS SHOWN HEREON IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- MAINTAIN MINIMUM 10-FOOT HORIZONTAL AND MINIMUM 18-INCH VERTICAL SEPARATION BETWEEN SANITARY SEWER, STORM SEWER AND WATER SUPPLY LINE, UNLESS OTHERWISE INDICATED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE SEQUENCING OF CONSTRUCTION FOR ALL UTILITY LINES SO THAT WATER LINES, GAS LINES, AND UNDERGROUND ELECTRIC DO NOT CONFLICT WITH SANITARY SEWERS OR STORM SEWERS. INSTALL UTILITIES PRIOR TO PAVEMENT CONSTRUCTION.
- ALL TRENCH SHOULDS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED.
- DISTANCES SHOWN FOR STORM SEWER PIPES ARE MEASURED FROM CENTER OF STRUCTURE. CONTRACTOR RESPONSIBLE FOR ACTUAL FIELD CUT LENGTH. COORDINATES FOR STORM & SANITARY STRUCTURES ARE SHOWN TO THE CENTER STRUCTURE, UNLESS OTHERWISE NOTED.
- ROOF DRAINS, FOUNDATION DRAINS AND ALL OTHER CLEAR WATER CONNECTIONS TO THE SANITARY SEWER SYSTEMS ARE PROHIBITED.
- ADJUST ALL EXISTING UTILITY SURFACE FEATURES INCLUDING BUT NOT LIMITED TO CASTINGS, VALVE BOXES, PEDESTALS, CLEANOUTS, ETC. TO MATCH PROPOSED FINISHED GRADES, UNLESS OTHERWISE INDICATED.
- THE CONTRACTOR SHALL PROVIDE RECORD DRAWINGS OF ALL IMPROVEMENTS. INCLUDE AT LEAST TWO DIMENSIONS TO EACH VALVE AND MANHOLE FROM KNOWN SITE FEATURES. DRAWINGS SHALL INCLUDE HORIZONTAL AND VERTICAL INFORMATION ON ALL NEW UTILITIES AS WELL AS EXISTING UTILITIES ENCOUNTERED.
- ALL WATERLINE CROSSINGS SHALL MAINTAIN A VERTICAL SEPARATION OF 18" MINIMUM. SANITARY SEWER SHALL BE LOCATED A MINIMUM OF 18" BELOW WATERLINE AT ALL CROSSINGS. WATERLINE SHALL BE LOCATED A MINIMUM OF 10' HORIZONTALLY FROM ANY SANITARY SEWER OR STORM SEWER. ALL MEASUREMENTS SHALL BE TAKEN FROM OUTSIDE OF SEWER PIPE TO THE OUTSIDE OF WATERLINE PIPE. ONE FULL LENGTH OF WATERLINE PIPE SHALL BE LOCATED AT ALL CROSSINGS TO ENABLE BOTH JOINTS TO BE LOCATED AS FAR FROM SEWER AS POSSIBLE.

CONTACTS:

CIVIL ENGINEER WOOLPERT 1203 WALNUT STREET, 2ND FLOOR CINCINNATI, OH 45202 MIKE TIMKO, PE 513.527.2525 MIKE.TIMKO@WOOLPERT.COM	WATER NORTHERN KENTUCKY WATER DISTRICT 2835 CRESCENT SPRINGS ROAD ERLANGER, KY 41018 859.578.9898 INFO@NKYWATER.ORG
CLIENT NORTHERN KENTUCKY UNIVERSITY 1 NUNN DRIVE HIGHLAND HEIGHTS, KY 41099 MARY PAULA SCHUH 859.572.5122 SCHUH@NKU.EDU	SANITARY NORTHERN KENTUCKY SD-1 1045 EATON DRIVE FT. WRIGHT, KY 41017 ANDY AMAN 859.578.6880 AAMAN@SD1.ORG
	STORMWATER NORTHERN KENTUCKY SD-1 1045 EATON DRIVE FT. WRIGHT, KY 41017 ANDY AMAN 859.578.6880 AAMAN@SD1.ORG



REVISION	DATE	No.

PROJECT No:	081997
DATE	7/13/21
DES.	JMR
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WOOLPERT
ARCHITECTURAL ENGINEERING & CONSTRUCTION

**NKU HONORS HOUSE RENOVATIONS
PARKING LOT IMPROVEMENTS**

1 LOUIE B NUNN DRIVE
HIGHLAND HEIGHTS, KY 41099

GENERAL NOTES

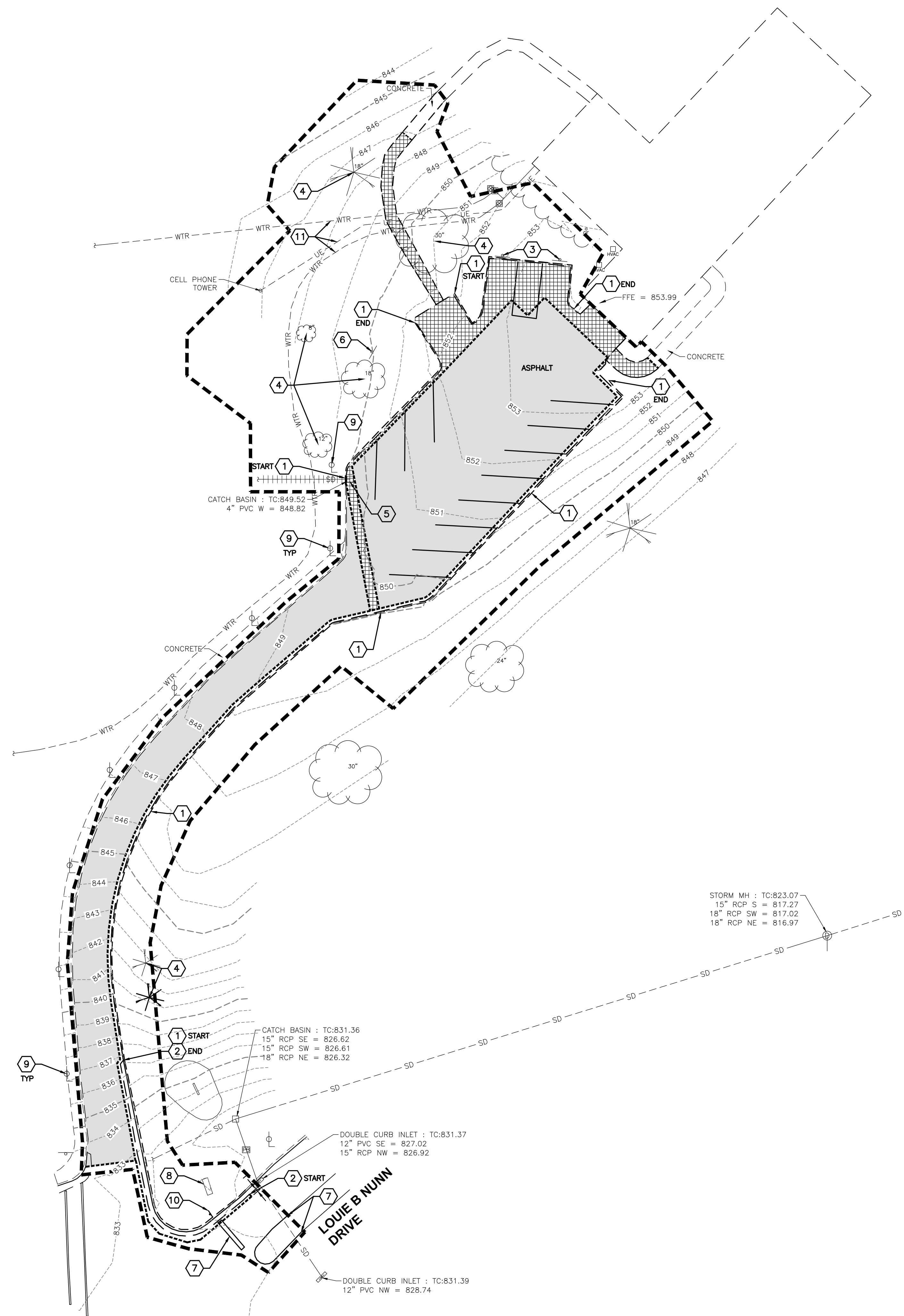
SHEET NO.

C-001



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Layout Tab Name: C-100 EXISTING CONDITIONS-DEMOLITION PLAN, Images: Aerial.jpg; Timko-Signature.jpg; . Xrefs: 81997-x.dwg; 81997-tblk.dwg; MIKE TIMKO - KENTUCKY.dwg
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LEGEND

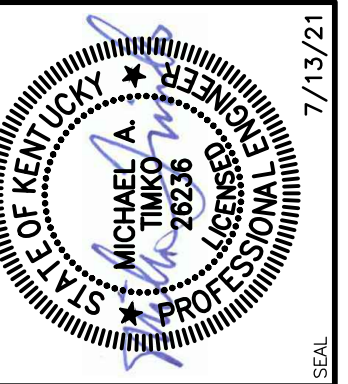
- 799 --- 1' CONTOUR
- 800 --- 5' CONTOUR
- (wavy) --- TREE/SHRUB LINE
- (dashed) --- STORM SEWER
- (dashed) --- SD
- (dashed) --- WTR
- (dashed) --- LIMITS OF CONSTRUCTION
- ⊙ --- SANITARY MANHOLE
- ⊙ --- STORM MANHOLE
- ⊙ --- CATCH BASIN
- ⊙ --- CURB INLET
- ⊙ --- WATER METER PIT
- ⊙ --- WATER VALVE
- ⊙ --- SPRINKLER
- ⊙ --- ELECTRIC PULL BOX
- ⊙ --- UTILITY/LIGHT POLE
- ⊙ --- SIGN
- ⊙ --- HEATING/AIR CONDITIONING UNIT
- ⊙ --- BRUSH
- ⊙ --- TREE
- ⊙ --- EVERGREEN TREE
- (dashed) --- SAW CUT LINE
- (dashed) --- STORM LINE TO BE REMOVED
- (hatched) --- MILL PAVEMENT, 1 1/2" DEPTH
- (cross-hatched) --- FULL DEPTH PAVEMENT REMOVAL

NOTES

- SEE SHEET C001 FOR GENERAL NOTES.
- CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET WITHIN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THE PROJECT.
- CONTRACTOR TO LOCATE EXISTING UTILITY SERVICES AND INVESTIGATE POTENTIAL FOR REUSE. IF IT IS NOT TO BE REUSED, IT SHALL BE REMOVED OR ABANDONED IN PLACE PER AGENCY REQUIREMENTS.

KEYNOTES (X)

- REMOVE EXTRUDED CURB.
- REMOVE CURB AND GUTTER.
- REMOVE ACCESSIBLE PARKING SIGN.
- REMOVE TREE.
- REMOVE CATCH BASIN.
- RELOCATE EXISTING SIGN.
- REMOVE PAVEMENT MARKING.
- EXISTING MONUMENT SIGN. DO NOT DISTURB.
- EXISTING LIGHT. DO NOT DISTURB.
- REMOVE AND RELOCATE STOP SIGN.
- APPROXIMATE LOCATION OF EXISTING WATER AND ELECTRIC LINES TO REMAIN. CONTRACTOR TO FIELD LOCATE PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR TO USE CAUTION WHEN AROUND THESE UTILITIES.



REVISION

No. DATE

PROJECT No: 081997

DATE 7/13/21

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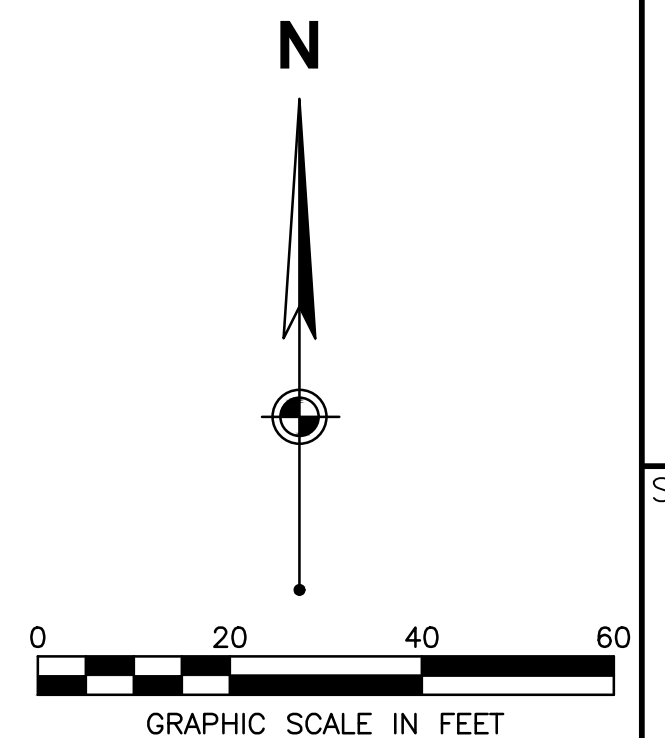
**NKU HONORS HOUSE RENOVATIONS
 PARKING LOT IMPROVEMENTS**

1 LOUIE B NUNN DRIVE
 HIGHLAND HEIGHTS, KY 41099

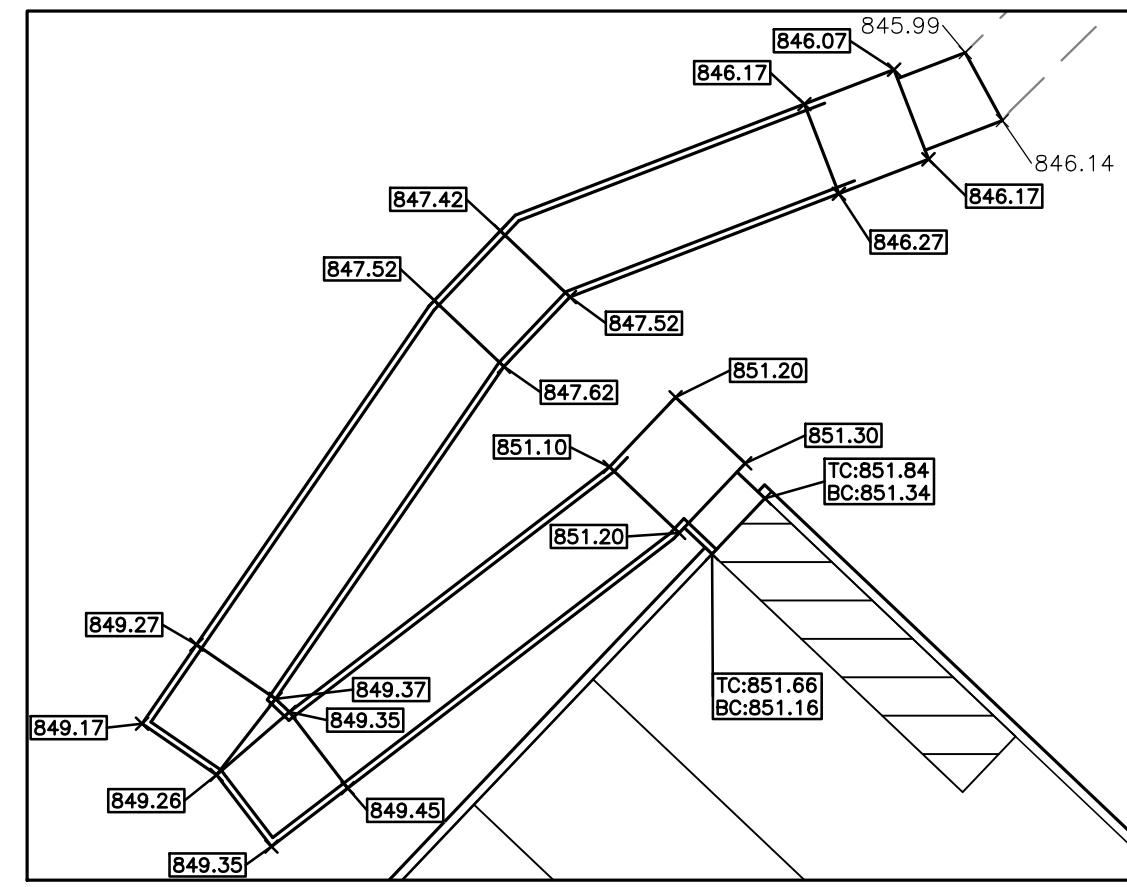
EXISTING CONDITIONS-DEMOLITION PLAN

SHEET NO.

C-100

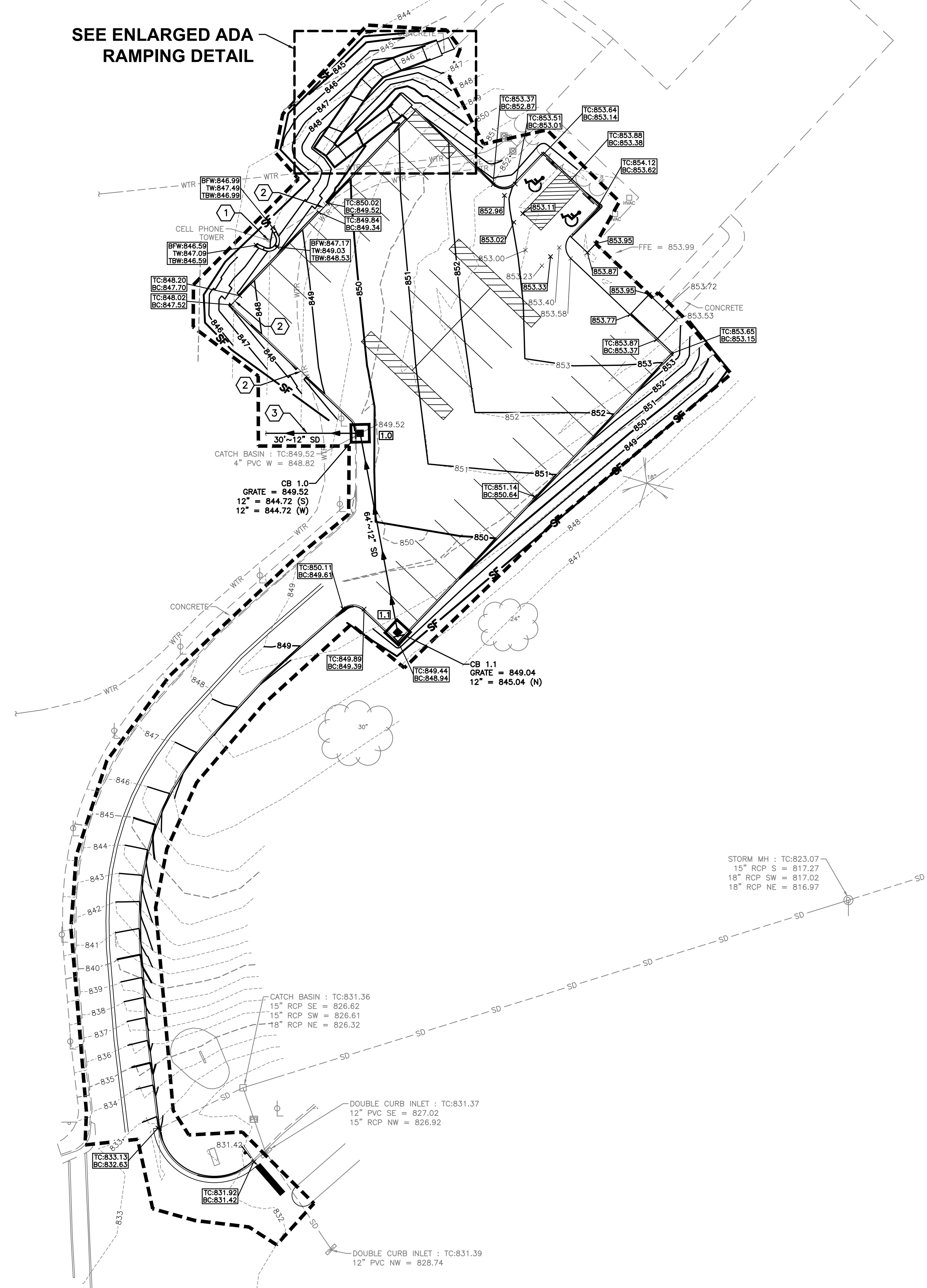


Layout Tab Name: C-300 GRADING & EROSION CONTROL PLAN, Images: Timko-Signature.jpg, Aerial.jpg, Xrefs: 81997-tblk.dwg, 81997-x.dwg, 81997-p.dwg, MIKE TIMKO - KENTUCKY.dwg
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ADA RAMPING DETAIL
1" = 10"

SEE ENLARGED ADA RAMPING DETAIL



LEGEND

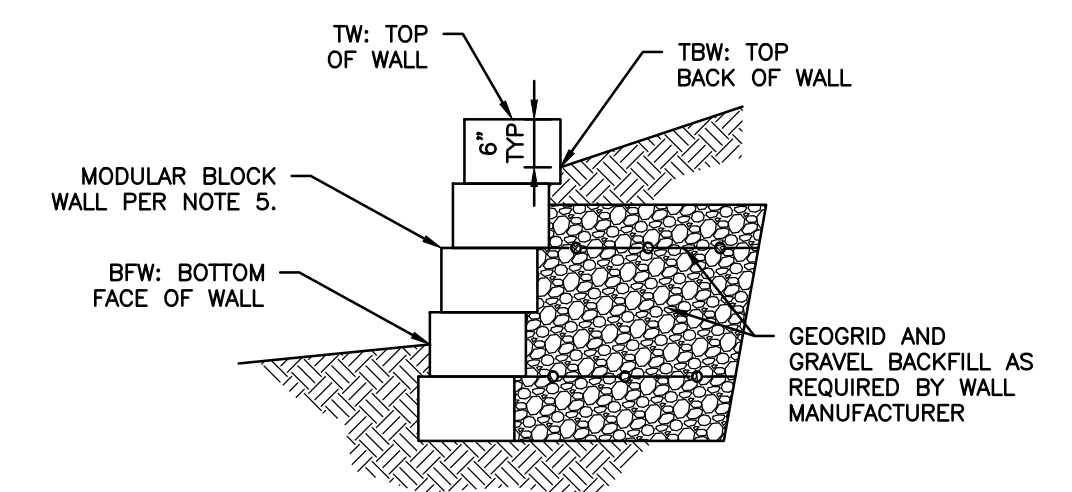
- 799 --- EXISTING 1' CONTOUR
- 800 --- EXISTING 5' CONTOUR
- 799 --- PROPOSED 1' CONTOUR
- 800 --- PROPOSED 5' CONTOUR
- SD --- EXISTING STORM SEWER
- SF --- STORM SEWER
- --- SILT FENCE
- --- LIMITS OF CONSTRUCTION
- XXX.XX EXISTING SPOT ELEVATION
- TC:XXX.XX PROPOSED SPOT ELEVATION
- BC:XXX.XX PROPOSED TOP OF CURB (TC) / BOTTOM OF CURB (BC) ELEVATION
- CATCH BASIN
- INLET PROTECTION

NOTES

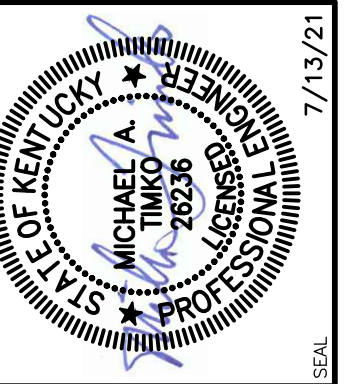
- SEE SHEET C001 FOR GENERAL NOTES.
- CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET WITHIN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THE PROJECT.
- PROVIDE POSITIVE DRAINAGE AT ALL TIMES TO ENSURE NO STANDING WATER WITHIN PAVEMENT.
- SILT FENCE IS SHOWN ON PLAN SCHEMATICALLY, ADJUST AS NECESSARY.
- MODULAR BLOCK WALL TO BE DESIGNED AND INSTALLED BY WALL MANUFACTURER.

KEYNOTES (X)

- CONTRACTOR TO USE CAUTION AROUND EXISTING CELL TOWER TO REMAIN.
- CURB CUT. SEE DETAIL ON C800.
- CONTRACTOR TO FIELD VERIFY LENGTH OF EXISTING 4" OUTLET PIPE TO BE REMOVED AND REPLACED WITH 12" PIPING.



TYPICAL MODULAR BLOCK WALL
1" = 10"



No.	DATE	REVISION
PROJECT No:	081997	
DATE	7/13/21	
DES.	JMR	
DR.	JMR	
CKD.	SRK	

1203 Walnut Street
2nd Floor
Cincinnati, OH 45202
513.272.8300
FAX: 937.461.0743



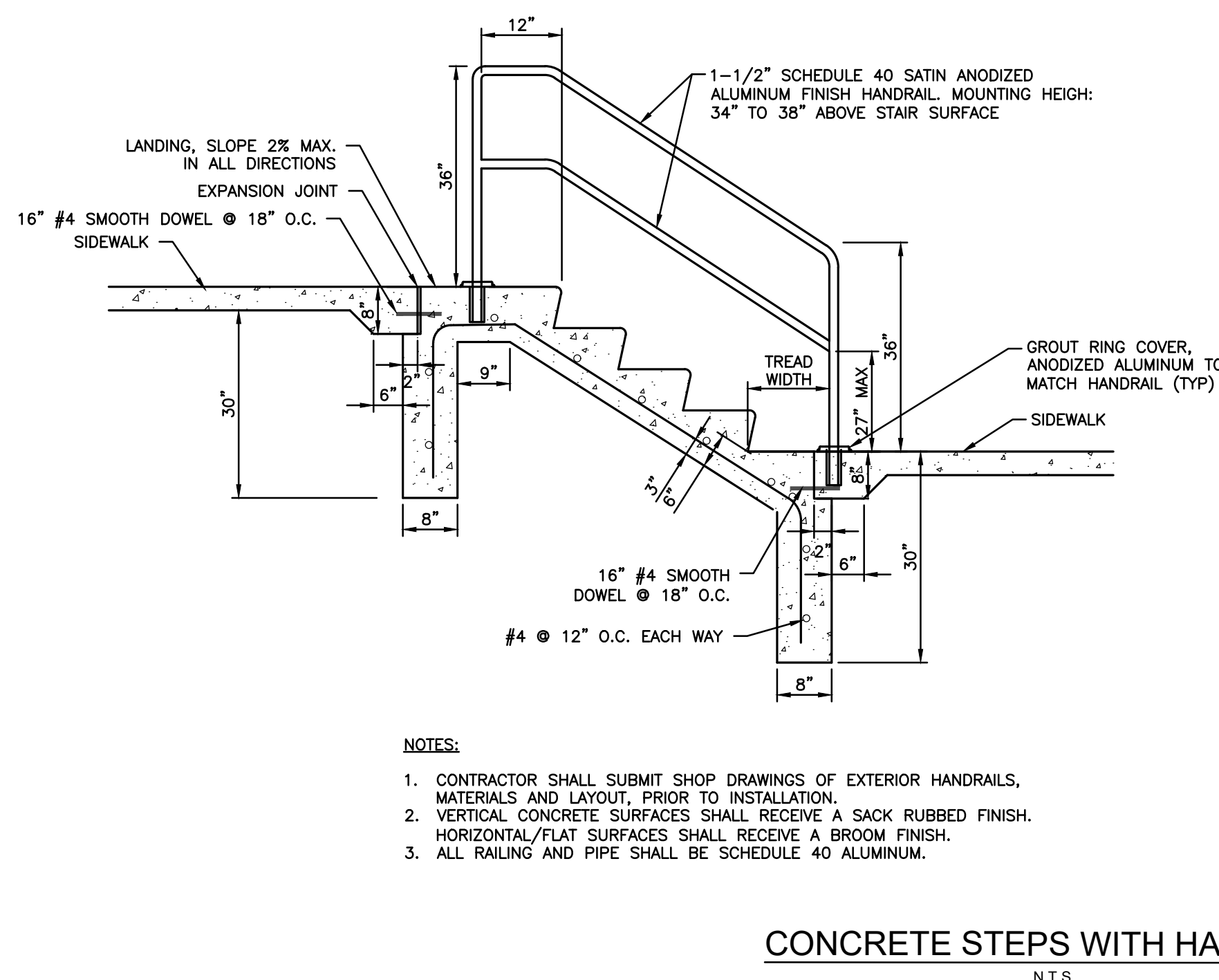
**NKU HONORS HOUSE RENOVATIONS
PARKING LOT IMPROVEMENTS**
1 LOUIE B NUNN DRIVE
HIGHLAND HEIGHTS, KY 41099

GRADING & EROSION CONTROL PLAN

SHEET NO.

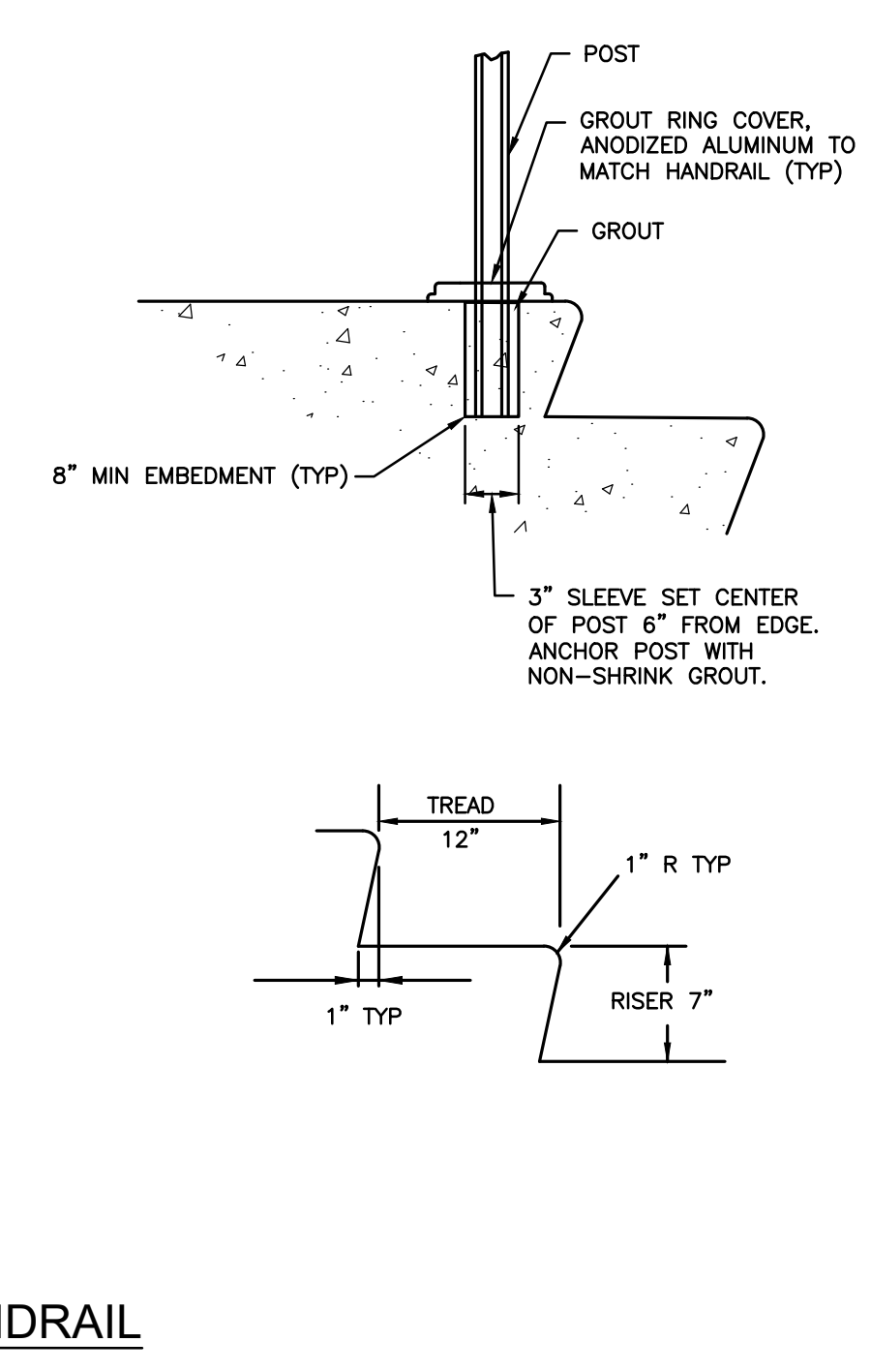
C-300

Layout Tab Name: C-800 CONSTRUCTION DETAILS, Images: Timko-Signature.jpg, Xrefs: 81997-tblk.dwg; MIKE TIMKO - KENTUCKY.dwg
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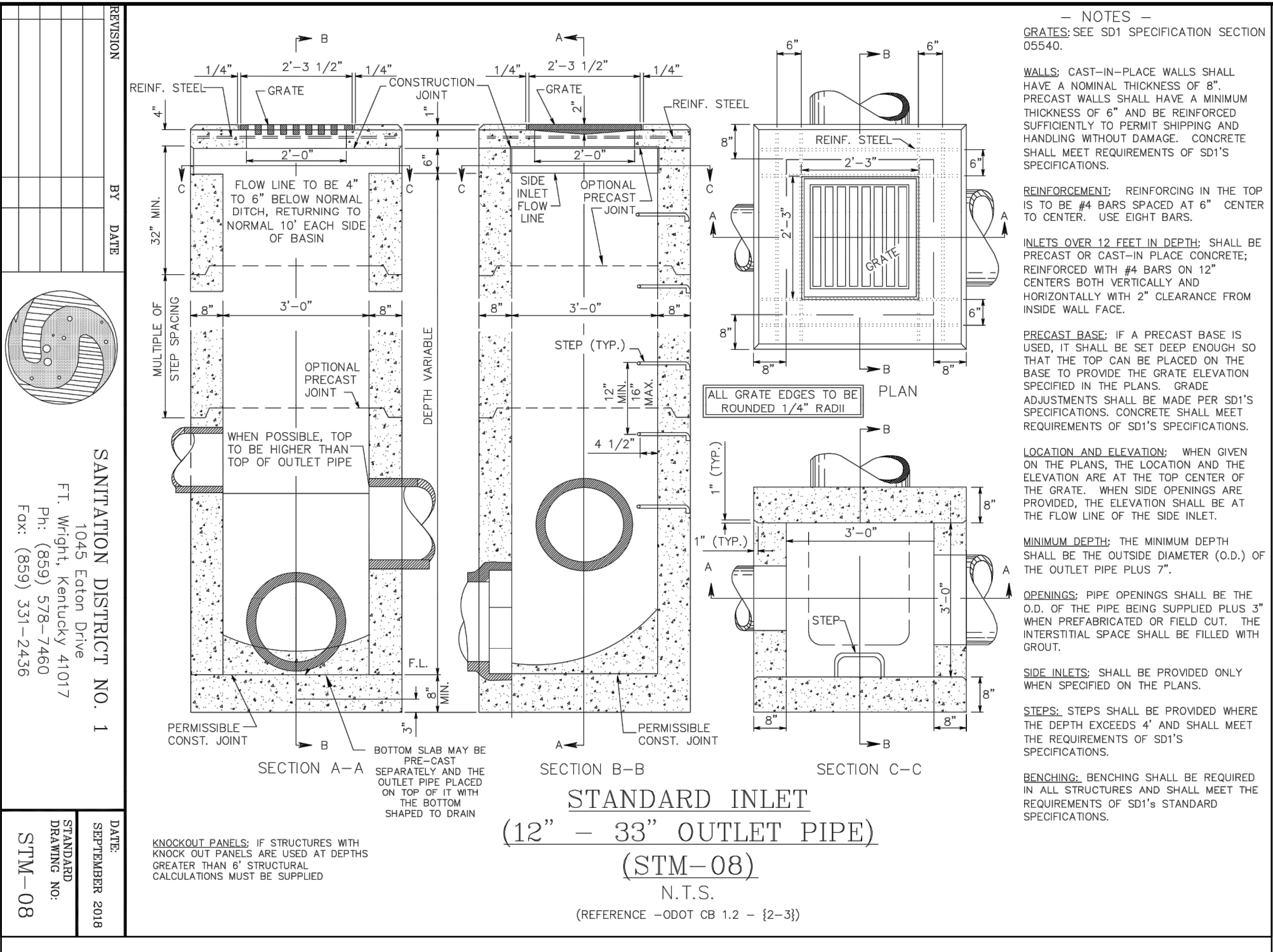


- NOTES:**
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF EXTERIOR HANDRAILS, MATERIALS AND LAYOUT, PRIOR TO INSTALLATION.
 - VERTICAL CONCRETE SURFACES SHALL RECEIVE A SACK RUBBED FINISH. HORIZONTAL/FLAT SURFACES SHALL RECEIVE A BROOM FINISH.
 - ALL RAILING AND PIPE SHALL BE SCHEDULE 40 ALUMINUM.

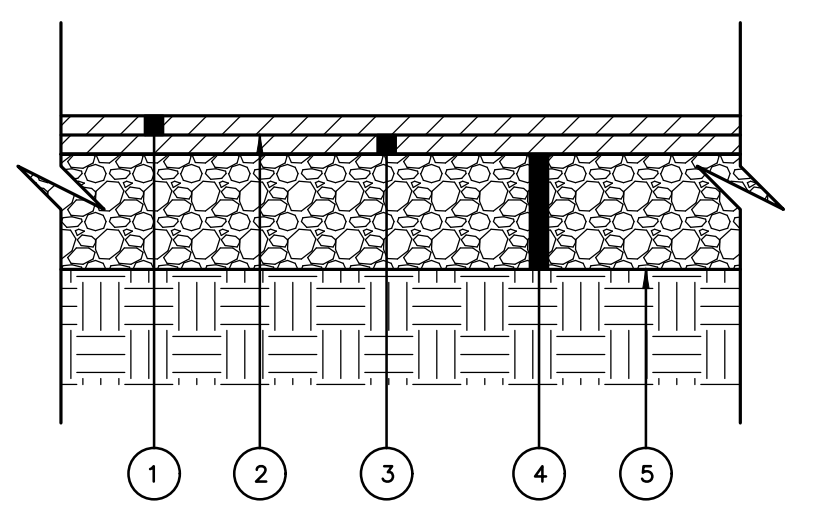
CONCRETE STEPS WITH HANDRAIL
N.T.S.



CATCH BASIN
N.T.S.

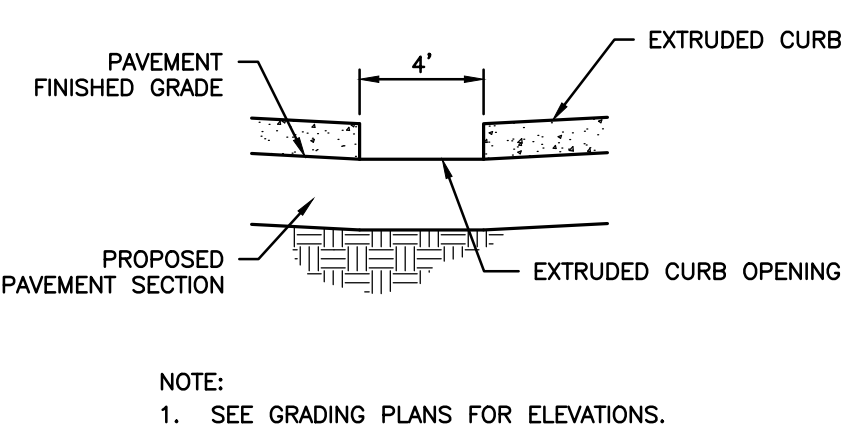


STANDARD INLET
(12" - 33" OUTLET PIPE)
(STM-08)
N.T.S.
(REFERENCE -0007 CB 1.2 - (2-3))



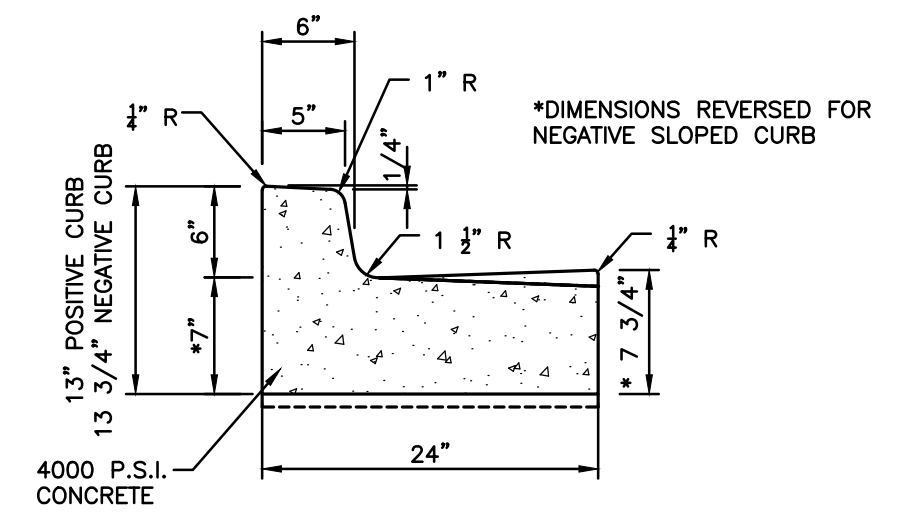
- KEYNOTES:**
- 1.5" SECTION 401, ASPHALT CONCRETE SURFACE COURSE, PG64-22
 - SECTION 406, TACK COAT (0.055 GAL/SY)
 - 2" SECTION 401, ASPHALT CONCRETE INTERMEDIATE COURSE, PG64-22
 - 8" SECTION 302, CRUSHED STONE BASE (2-4" COURSES)
 - SECTION 207, SUBGRADE COMPACTION
- NOTES:**
- ALL PAVEMENT MATERIALS SHALL MEET KYTC STANDARDS & SPECS, LATEST EDITION. PAVEMENT SECTION SHOWN FOR BIDDING PURPOSES ONLY.
 - CONFIRM ACTUAL PAVEMENT DESIGN WITH OWNER/GEOTECHNICAL CONSULTANT.

ASPHALT PAVEMENT - STANDARD DUTY
N.T.S.



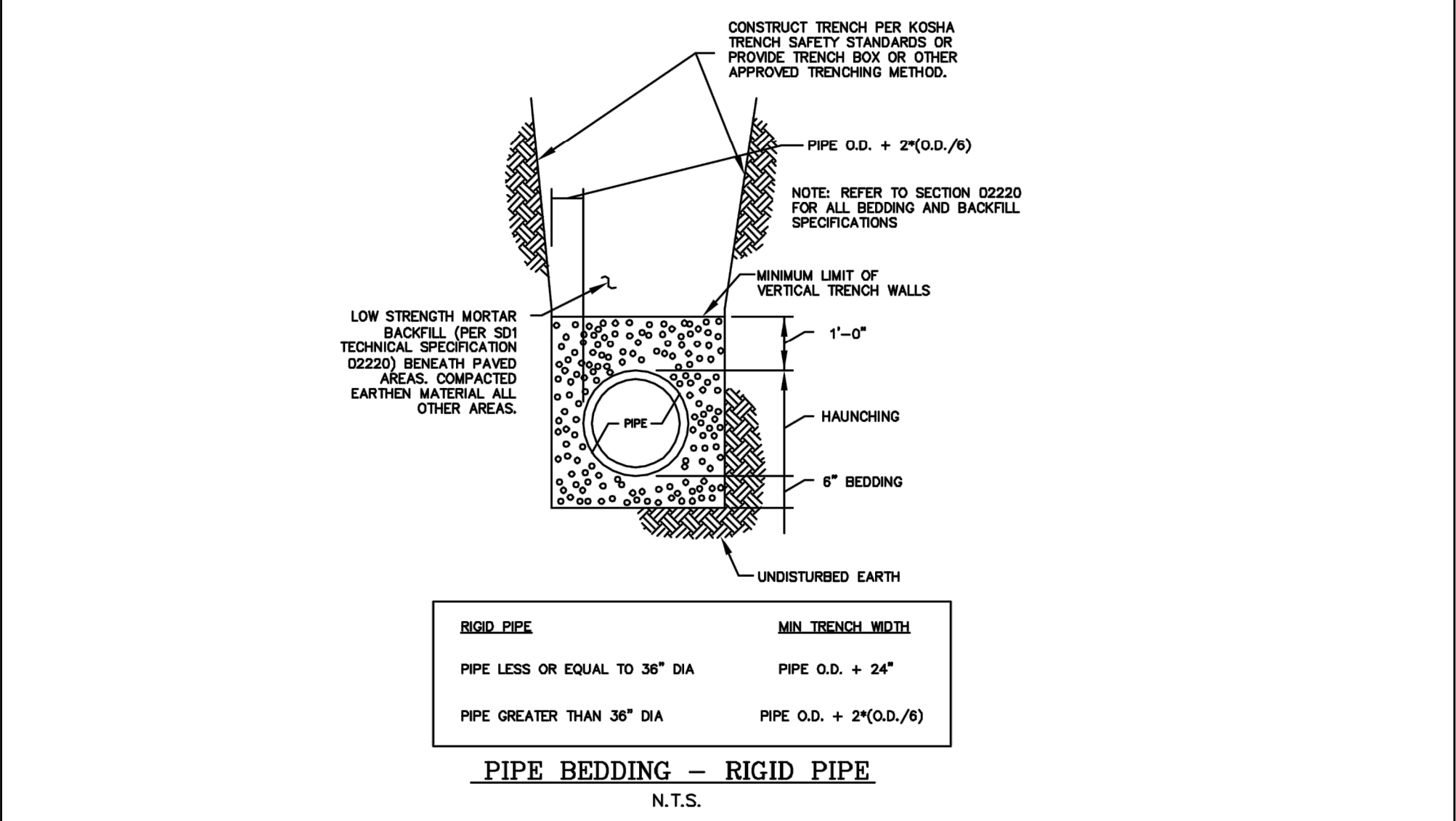
- NOTE:**
- SEE GRADING PLANS FOR ELEVATIONS.

CURB CUT
N.T.S.



- NOTES:**
- EXPANSION JOINTS REQUIRED AT 100' MAXIMUM SPACING OR AT ALL BUTT JOINTS TO EXISTING CONCRETE, CURB RETURNS OR AS DIRECTED BY CONSTRUCTION MANAGER AND/OR ENGINEER.

CONCRETE CURB AND GUTTER
N.T.S.

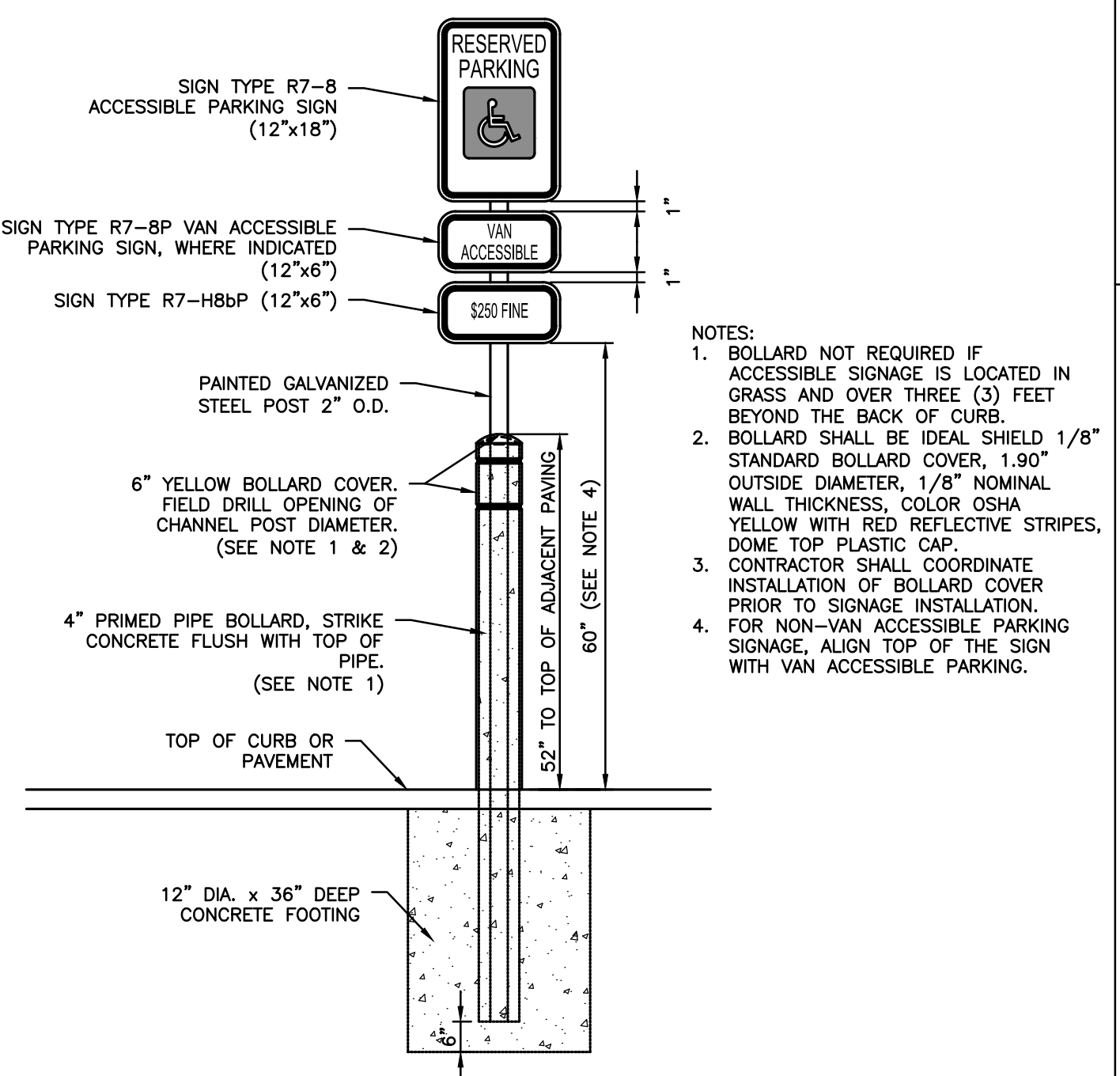


PIPE BEDDING - RIGID PIPE
N.T.S.

REVISION	BY	DATE	DATE: MARCH 2010
			STANDARD DRAWING NO: 110

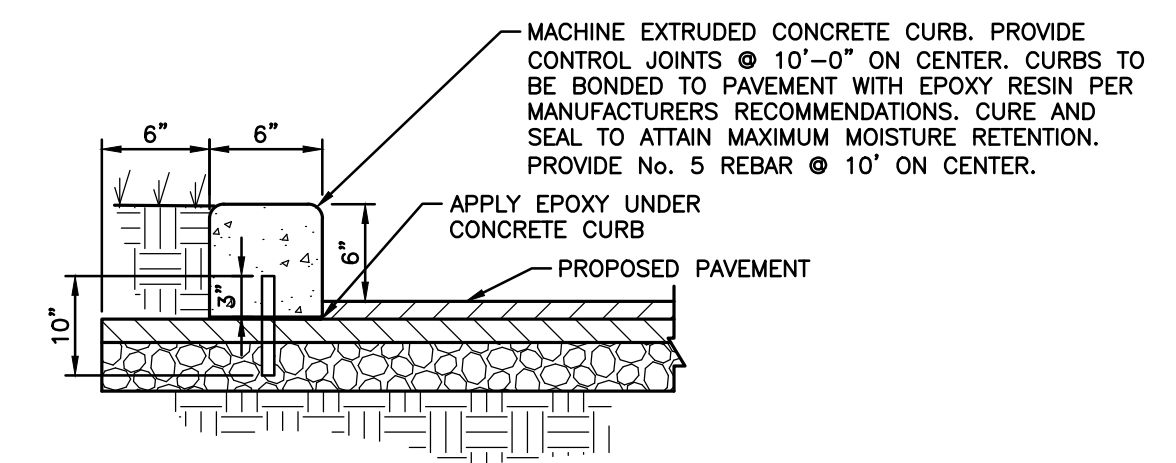
OPEN CUT PAVEMENT DETAIL
N.T.S.

SANITATION DISTRICT NO. 1
1045 Eaton Drive
FT. Wright, Kentucky 41017
Ph: (859) 578-7460
Fax: (859) 331-2436

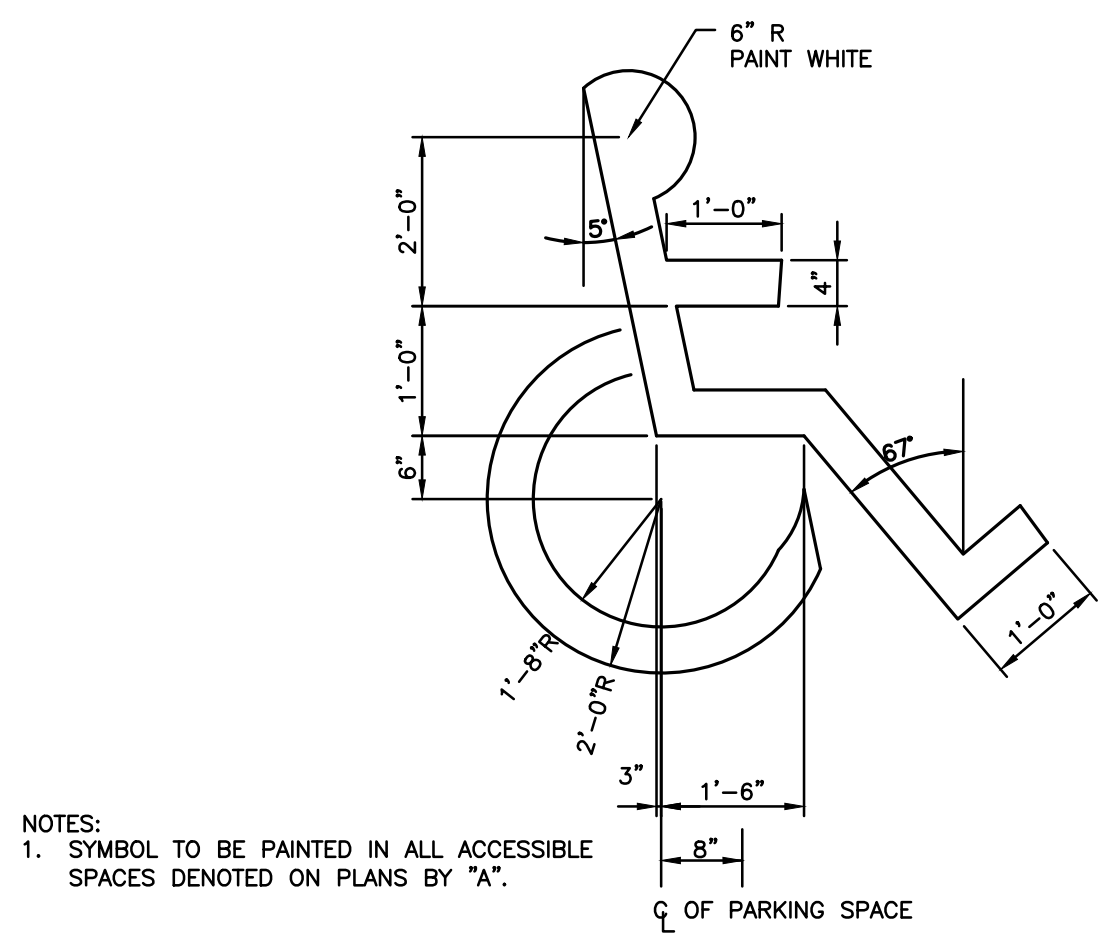


- NOTES:**
- BOLLARD NOT REQUIRED IF ACCESSIBLE SIGNAGE IS LOCATED IN GRASS AND OVER THREE (3) FEET BEYOND THE BACK OF CURB.
 - BOLLARD SHALL BE IDEAL SHIELD 1/8" STANDARD BOLLARD COVER, 1.90" OUTSIDE DIAMETER, 1/8" NOMINAL WALL THICKNESS, COLOR OSHA YELLOW WITH RED REFLECTIVE STRIPES, DOME TOP PLASTIC CAP.
 - CONTRACTOR SHALL COORDINATE INSTALLATION OF BOLLARD COVER PRIOR TO SIGNAGE INSTALLATION.
 - FOR NON-VAN ACCESSIBLE PARKING SIGNAGE, ALIGN TOP OF THE SIGN WITH VAN ACCESSIBLE PARKING.

ACCESSIBLE PARKING SIGN
N.T.S.

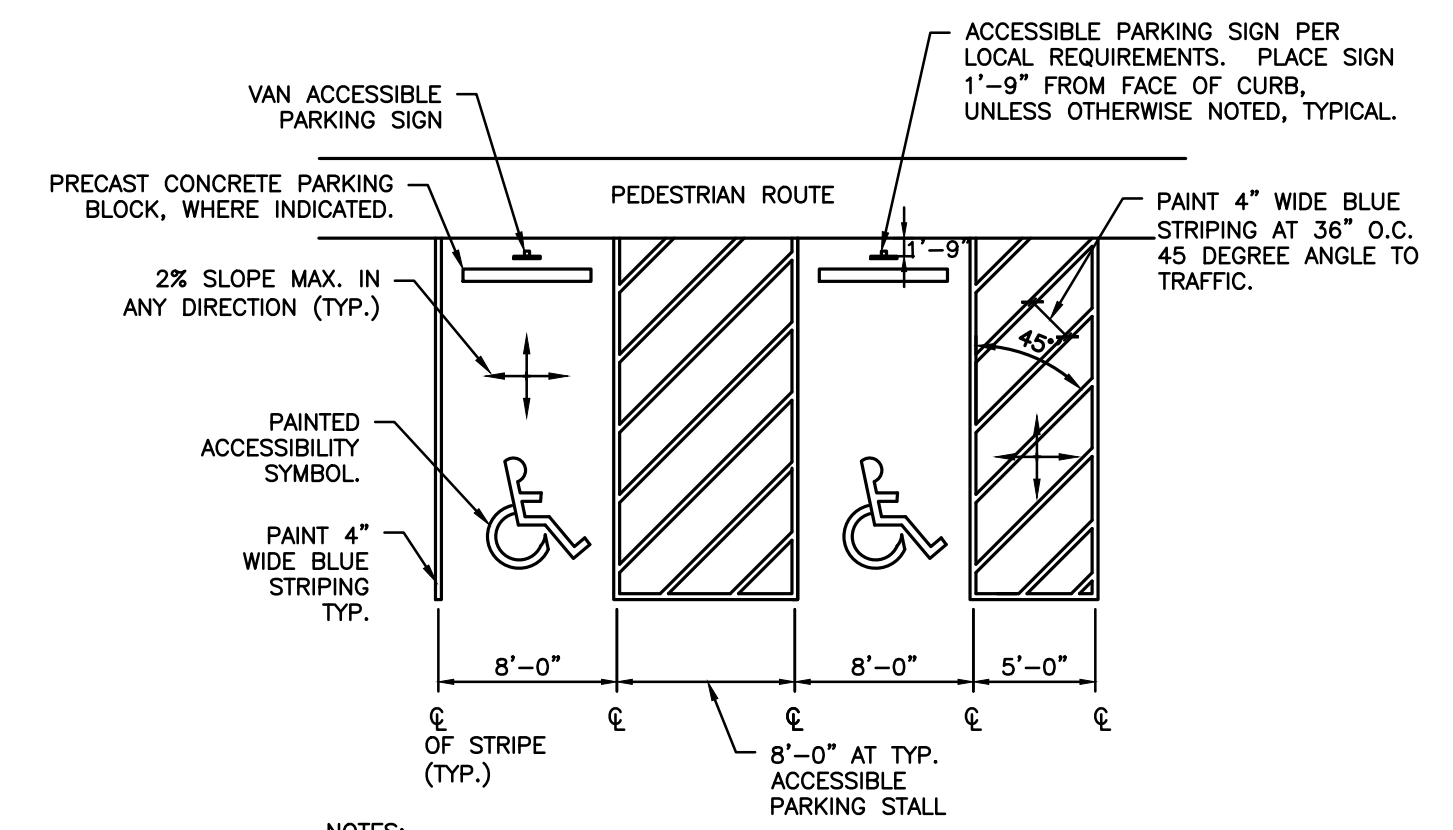


EXTRUDED CONCRETE CURB
N.T.S.



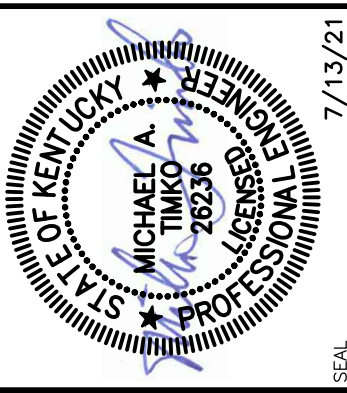
- NOTES:**
- SYMBOL TO BE PAINTED IN ALL ACCESSIBLE SPACES DENOTED ON PLANS BY "A".

INTERNATIONAL ACCESSIBILITY SYMBOL
N.T.S.



- NOTES:**
- THE INFORMATION AND DIMENSIONS PROVIDED ON THE SITE PLAN SHALL APPLY UNLESS OTHERWISE NOTED.
 - CURB IN FRONT OF THE ADA PARKING STALLS, AND ACCESS AISLES TO BE PAINTED CONCRETE WITH SLIP RESISTANT ADDITIVE, COLOR HAZMAT YELLOW.

ACCESSIBLE PARKING STALLS
N.T.S.



REVISION	DATE	No.

PROJECT No:	081997
DATE	7/13/21
DES.	JMR
DR.	JMR
CKD.	SRK

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2nd Floor
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FAX: 937.461.0743



NKU HONORS HOUSE RENOVATIONS
PARKING LOT IMPROVEMENTS
1 LOUIE B NUNN DRIVE
HIGHLAND HEIGHTS, KY 41099

SHEET NO. **C-800**