

DRAWING LIST - SITE DEVELOPMENT

NUMBER	NAME
C-000	COVER SHEET
C-001	NOTES, LEGEND AND ABBREVIATIONS
C-101	OVERALL SITE PLAN
C-401	ENLARGED SITE IMPROVEMENT PLANS
C-501	SITE IMPROVEMENT DETAILS

REDEVELOPMENT OF ONOVILLE MARINA PARK PHASE 1 - SIDEWALK IMPROVEMENTS

704 WEST PERIMETER ROAD, FREWSBURG, NY

BID DOCUMENTS

03.18.2024

Owner
Cattaraugus County Department of Economic
Development, Planning & Tourism
303 Court Street
Little Valley, NY 14755
716.938.2310

Architect + Engineer
Beardsley Architects + Engineers
64 South Street
Auburn, NY 13021
315.253.7301



NOTES

REFERENCE NOTES

- 1. CONSTRUCTION DRAWINGS ARE BASED ON ALTAIR'S LAND TITLE SURVEY, PROVIDED BY THEIR ASSOCIATES LAND SURVEYORS, PHONE: 315-386-2776.
2. GEOTECHNICAL EVALUATION REPORT FORTHCOMING.

EXISTING WORK

- 1. PROTECT FROM DAMAGE ALL EXISTING FEATURES NOT INDICATED OR REQUIRED TO BE REMOVED FOR THE WORK.
2. REPAIR ITEMS THAT ARE TO REMAIN IF DAMAGED DURING THE PERFORMANCE OF THE WORK. REPAIR OR REPLACE TO THEIR ORIGINAL CONDITION AS DETERMINED BY THE OWNER'S REPRESENTATIVE, OR REPLACE WITH NEW IN-KIND.

LAYOUT

- 1. ESTABLISH A CONSTRUCTION STAGING AREA AND EQUIPMENT STORAGE ON SITE. COORDINATE LOCATIONS WITH THE OWNER'S REPRESENTATIVE. RESTORE ANY AREAS DISTURBED BY STAGING, PARKING, OR OTHER CONSTRUCTION ACTIVITIES TO THEIR ORIGINAL CONDITION.
2. ALL DIMENSIONS ARE TO FACE OF BUILDING, STRUCTURE, CURB OR EDGE OF PAVEMENT, UNLESS NOTED OTHERWISE.
3. ALL WORK MUST CONFORM TO ANSI A117.1-2009 FOR ACCESSIBILITY.
4. ENGAGE A LICENSED LAND SURVEYOR FOR SITE LAYOUT. PRIOR TO CONSTRUCTION, SET A MINIMUM OF TWO BENCHMARKS AND PROTECT THEM THROUGHOUT CONSTRUCTION. VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION.

DEMOLITION

- 1. CONDUCT REMOVAL OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT EXISTING FEATURES TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AND AUTHORIZED VEHICLES AROUND THE WORK AREA.
2. PROVIDE CONSTRUCTION FENCES, BARRICADES OR OTHER SUITABLE DEVICES AS DIRECTED BY THE OWNER'S REPRESENTATIVE TO PREVENT DAMAGE BY VEHICLES AND UNAUTHORIZED ENTRY INTO WORK, CONSTRUCTION STAGING AND EQUIPMENT STORAGE AREAS.
3. RESTRICT VEHICULAR TRAFFIC TO AREAS OUTSIDE THE DRIP LINE OF TREES. PREVENT COMPACTION OF SOIL WITHIN THE DRIP LINE OF TREES AND SHRUBS. DO NOT DRIVE OR PARK VEHICLES ON LAWNS.
4. PROVIDE ALL REMOVALS INCIDENTAL TO AND NECESSARY TO PROVIDE THE WORK OF THIS CONTRACT AND LEGALLY DISPOSE OF OFF-SITE. REMOVE EXISTING FEATURES AND UNUSED EARTH MATERIALS INCLUDING EXCESS TOPSOIL IN THEIR ENTIRETY UNLESS OTHERWISE INDICATED BY THE OWNER'S REPRESENTATIVE.
5. PROMPTLY DISPOSE OF DEMOLISHED MATERIALS AND TRASH. DO NOT ALLOW DEBRIS TO ACCUMULATE ON-SITE.
6. UTILIZE SAW-CUTS IN AREAS WHERE PAVEMENT IS TO BE REMOVED FOR INSTALLATION OF IMPROVEMENTS AND WHERE NEW PAVEMENT IS JOINED WITH EXISTING. TREAT ALL JOINTS BETWEEN NEW AND EXISTING ASPHALT PAVEMENT WITH AN ASPHALT EMULSION.
7. REMOVE EXISTING TREES AND VEGETATION AS REQUIRED TO INSTALL IMPROVEMENTS. NOT ALL TREE REMOVALS ARE EXPLICITLY IDENTIFIED IN WOODED AREAS. PRIOR TO CONSTRUCTION, STAKE OUT PROPOSED PIPE ROUTING AND STRUCTURE LOCATIONS FOR REVIEW AND APPROVAL BY THE OWNER'S REPRESENTATIVE. ALTERNATE ROUTINGS MAY BE SUGGESTED TO MINIMIZE IMPACTS TO EXISTING FEATURES. COORDINATE TIMING OF TREE REMOVALS WITH OWNER'S REPRESENTATIVE. THE EXTENT OF ALL CLEARING AND GRUBBING SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
8. REMOVE ALL SECTIONS OF EXISTING ABANDONED UNDERGROUND UTILITIES WHERE THEY INTERFERE WITH NEW WORK OR AS NOTED, PERMANENTLY SEAL REMAINING SECTIONS WITH MORTAR OR END CAPS.
9. CONTRACTOR TO COORDINATE AND NOTIFY OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES.

SITE GRADING AND DRAINAGE NOTES

- 1. RESTRICT GRADING OPERATIONS TO AREAS SHOWN ON THE DRAWINGS. GRADING OUTSIDE THE CONTRACT LIMIT LINE, UNLESS AUTHORIZED BY THE OWNER'S REPRESENTATIVE, WILL NOT BE PERMITTED.
2. PERFORM ALL EXCAVATION OPERATIONS WITH EXTREME CAUTION. DETERMINE LOCATION AND ELEVATION OF EXISTING UTILITIES PRIOR TO COMMENCING GRADING.
3. BLEND ALL LINES AND GRADES OF NEW WORK SMOOTHLY WITH EXISTING.
4. GRADE ALL SURFACES TO DRAIN AWAY FROM ALL NEW AND EXISTING STRUCTURES. ALL AREAS MUST DRAIN TO AN OUTLET, WHETHER EXISTING OR NATURAL. AREAS WHICH POND IN EXCESS OF 1/4 INCH IN PAVED AREAS AND 1/2 INCH IN LAWN AREAS WILL NOT BE ACCEPTED.
5. MAINTAIN EXISTING STORM DRAIN FACILITIES NOT INTERRUPTED BY CONSTRUCTION RELATED ACTIVITIES.
6. ADJUST ALL MANHOLE AND OTHER UTILITY COVERS LOCATED WITHIN AREAS OF CONSTRUCTION OPERATIONS TO PROPOSED FINISHED GRADE.

UTILITIES

- 1. THE LOCATION OF EXISTING UTILITIES INDICATED ON THE SITE SURVEY AND DRAWINGS ARE APPROXIMATE ONLY. ACCURATELY LOCATE EXISTING SUBSURFACE UTILITIES BEFORE EXCAVATION.
2. PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES, CONTACT DIG SAFELY NEW YORK (1-800-962-7962) FOR INFORMATION ON EXISTING UNDERGROUND UTILITIES.
3. CONTACT COMMERCIAL UTILITY COMPANIES TO OBTAIN INFORMATION ABOUT EXISTING UTILITIES. CONTACT OWNER'S REPRESENTATIVE TO OBTAIN UTILITY COMPANY INFORMATION.
4. PERFORM EXCAVATION IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REQUIREMENTS.
5. SLOPE OR SUPPORT THE SIDES OF ALL EXCAVATIONS AS REQUIRED BY SAFETY REGULATIONS.
6. ALL WATER AND SEWER LINES TO BE INSTALLED IN STRICT COMPLIANCE WITH THE REQUIREMENTS OF THE WATER MAIN/SEWER CROSSING DETAIL PROVIDED IN THE CONSTRUCTION DOCUMENTS.
7. PROVIDE NEW YORK STATE ELECTRICAL INSPECTION FOR THE WORK AT EACH BUILDING, PERFORMED BY LICENSED UNDERWRITER, PRIOR TO ENERGIZATION.

SOIL EROSION & SEDIMENTATION CONTROL

- 1. ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL CONFORM TO THE LATEST EDITION OF THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, AND THE PROJECT STORMWATER POLLUTION PREVENTION PLAN (SWPPP). REFER TO EROSION CONTROL DRAWINGS FOR PRESCRIBED MEASURES, AND SUPPLEMENT AS REQUIRED BY SITE CONDITIONS AND THE OWNER'S REPRESENTATIVE.
2. PROVIDE AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES TO EFFECTIVELY CONTAIN ALL SOIL MATERIAL WITHIN THE SITE CONSTRUCTION AREA.
3. ALL NECESSARY CONTROLS SHALL BE IN PLACE PRIOR TO STARTING EARTHWORK OPERATIONS AND SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREAS ARE STABILIZED WITH SEEDING, PAVEMENTS AND/OR SLOPE PROTECTION.
4. PROVIDE TEMPORARY SILT FENCING, AND SEED AND MULCH ALL SOIL STOCKPILES WHEN SOIL IS STORED FOR MORE THAN SEVEN DAYS.
5. PERIODICALLY CLEAN, INSPECT, MAINTAIN, AND REINSTALL EROSION AND SEDIMENT CONTROL MEASURES TO MAINTAIN INTEGRITY AND EFFECTIVENESS OF MEASURES.
6. KEEP ROADS CLEAN OF MUD AND DEBRIS AT ALL TIMES. VEHICLES SHALL USE A WASH AREA TO CLEAN WHEELS OF ANY ACCUMULATED EARTH, CONCRETE, ETC. PRIOR TO EXITING PROJECT LIMITS. COORDINATE LOCATION OF THE WASH AREA WITH THE OWNER'S REPRESENTATIVE.
7. TAKE ALL NECESSARY PRECAUTIONS TO PREVENT CONTAMINATION TO WATER BODIES, STREAMS, AND DRAINAGE COURSES FROM SILT, SEDIMENT, FUELS, SOLVENTS, LUBRICANTS, CONCRETE LEACHATE OR ANY OTHER POLLUTANTS ASSOCIATED WITH CONSTRUCTION.
8. ALL EXCAVATED MATERIAL SHALL BE STABILIZED ON AN UPLAND SITE SO THAT IT CAN NOT ENTER ANY WATER BODY.
9. ALL AREAS OF SOIL DISTURBANCE RESULTING FROM THIS PROJECT SHALL BE TOPSOILED AND SEEDED WITH THE SPECIFIED GRASS SEED MIX AND MULCHED WITH STRAW WITHIN ONE WEEK OF FINAL GRADING. MULCH SHALL BE MAINTAINED UNTIL A SUITABLE VEGETATIVE COVER IS APPROVED BY THE OWNER'S REPRESENTATIVE.
10. TOPSOIL SHALL CONSIST OF LOOSE FRIABLE ORGANIC MATERIAL, FREE OF REFUSE, STONES, SUBSOIL, WEEDS, OR OTHER MATERIAL DELETERIOUS FOR PLANT OR LAWN GROWTH.

CONSTRUCTION DEWATERING

- 1. PERFORM ALL EXCAVATION AND BACKFILL IN THE DRY. DEWATER, TO PERMIT SUITABLE PREPARATION OF THE SUBGRADE AND COMPACTION OF ANY SUBSEQUENT FILL AND BACKFILL MATERIALS.
2. BE PREPARED TO DEWATER. OPERATE DEWATERING SYSTEM ISO THAT DISTURBANCE OR REMOVAL OF THE SUBGRADE SOIL DOES NOT OCCUR. COMPLY WITH ALL APPLICABLE ENVIRONMENTAL REGULATIONS, INCLUDING THOSE RELATED TO DISCHARGE OF WATER.
3. DURING DEWATERING OPERATIONS, A DEWATERING BASIN WILL BE REQUIRED UNLESS THE PUMP DISCHARGE IS AS CLEAR AND FREE OF SEDIMENT AS THE RECEIVING WATERCOURSE. DEWATERING METHODS SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE.

RESTORATION OF SURFACES

- 1. FINE GRADE AND SEED ALL AREAS DISTURBED BY THIS CONSTRUCTION, WHICH ARE NOT OTHERWISE NOTED.
2. RESTRICT GROUND DISTURBANCES TO THE MINIMUM EXTENT PRACTICAL. ALL DISTURBED AREAS SHALL BE RESTORED TO EXISTING FINISH GRADE UNLESS INDICATED OTHERWISE.

PLANTING NOTES

- 1. PROVIDE NAMED VARIETIES, SIZES AND QUANTITIES LISTED, SUBSTITUTIONS ARE NOT ALLOWED UNLESS APPROVED BY OWNER'S REPRESENTATIVE.
2. ALL NURSERY GROWN PLANT MATERIAL IN SCHEDULE SHALL BE IN ACCORDANCE WITH ANSI Z.60.1 STANDARDS FOR MEASUREMENT OF NURSERY STOCK.
3. ALL PLANTS SHALL BE GUARANTEED BY THE CONTRACTOR FOR A PERIOD OF ONE YEAR FROM DATE OF PHYSICAL COMPLETION AND ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.
4. REPLACEMENT PLANTINGS WILL BE REQUIRED PRIOR TO FINAL ACCEPTANCE, FOR ANY PLANT MATERIAL WHICH IS MISSING, NOT TRUE TO SPECIFICATIONS, HAS DIED, OR IS UNHEALTHY OR UNCHARACTERISTIC OF THE SPECIES (DUE TO EXCESSIVE PRUNING OR DIE BACK).
5. LOCATE ALL UNDERGROUND UTILITIES IN AREAS TO BE LANDSCAPED PRIOR TO COMMENCING ANY EXCAVATION. ADJUSTMENTS TO TREE LOCATIONS WILL BE ALLOWED WHERE UTILITY CONFLICTS ARE CLEARLY A PROBLEM AND WITH PRIOR SITE APPROVAL BY THE OWNER'S REPRESENTATIVE.
6. ALL TOPSOIL AND SEEDED AREAS ARE TO RECEIVE MINIMUM 4" MECHANICALLY SCREENED TOPSOIL.
7. EXISTING PLANTINGS DAMAGED DURING THE COURSE OF CONSTRUCTION SHALL BE REPLACED IN-KIND TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.

LEGEND

Legend table listing symbols and their corresponding descriptions: EX BENCHMARK, PAVEMENT CUT LINE, EX SITE FEATURE TO BE REMOVED, EX TREE TO BE REMOVED, REMOVE EX SURFACE, EX BOULDER, EX PIPE BOLLARD, EX CONCRETE CURB, EX GRAVEL EDGE, EX OVERHEAD ELECTRIC & GUY WIRE, EX LIGHT POLE, EX UTILITY POLE, EX WATER SERVICE, EX HYDRANT AND VALVE, EX SANITARY MANHOLE, EX STORMWATER, EX STORM CATCH BASIN, EX RIP RAP, EX VEGETATION LINE, EX TREE, EX EDGE OF WATER, EX SIGNAGE, EX CONTOUR, EX SPOT ELEVATION, FULL DEPTH ASPHALT PAVEMENT, CONCRETE PAVEMENT, BOLLARD, PARKING SIGN AND SCHEDULE, CONCRETE WHEELSTOP, ACCESSIBLE SYMBOL, PAINTED LINES (NO PARKING AREA), OVERHEAD ELECTRIC, UNDERGROUND ELECTRIC, SITE LIGHTING, UTILITY POLE, TRANSFORMER, ELECTRIC HANDHOLE, UNDERGROUND COMMUNICATION LINE, COMMUNICATION HANDHOLE, WATER SERVICE, POST INDICATOR VALVE / WATER VALVE, SANITARY SEWER, SANITARY FORCEMAIN, SANITARY CLEAN OUT / MANHOLE, CONTOURS, SPOT ELEVATION, TREES AND SHRUBS, SILT FENCE, TREE PROTECTION, INLET PROTECTION.

consultant or key plan



AUBURN 64 South Street Auburn, NY 13021 315.253.7301
MALONE 320 West Main Street Malone, NY 12253 518.483.1585
SYRACUSE 5789 Widewaters Pkwy Dewitt, NY 13214 315.472.6980
AUBURN 150 State Street 4th Floor Albany, NY 12207 315.253.7301

NOT FOR CONSTRUCTION
ONOVILLE MARINA PARK
PHASE 1 - SIDEWALK IMPROVEMENTS
CATARAUGUS COUNTY, NEW YORK
704 West Perimeter Road, Frewsburg, NY 14738

WARNING
Any alterations to this document not conforming to section 7307, New York State Education Law are strictly prohibited.

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03.18.2024

Beardsley Project Number: 22034

Drawn By: JLB
Designed By: JLB
Reviewed By: JRH

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CIVIL
NOTES, LEGEND AND ABBREVIATIONS

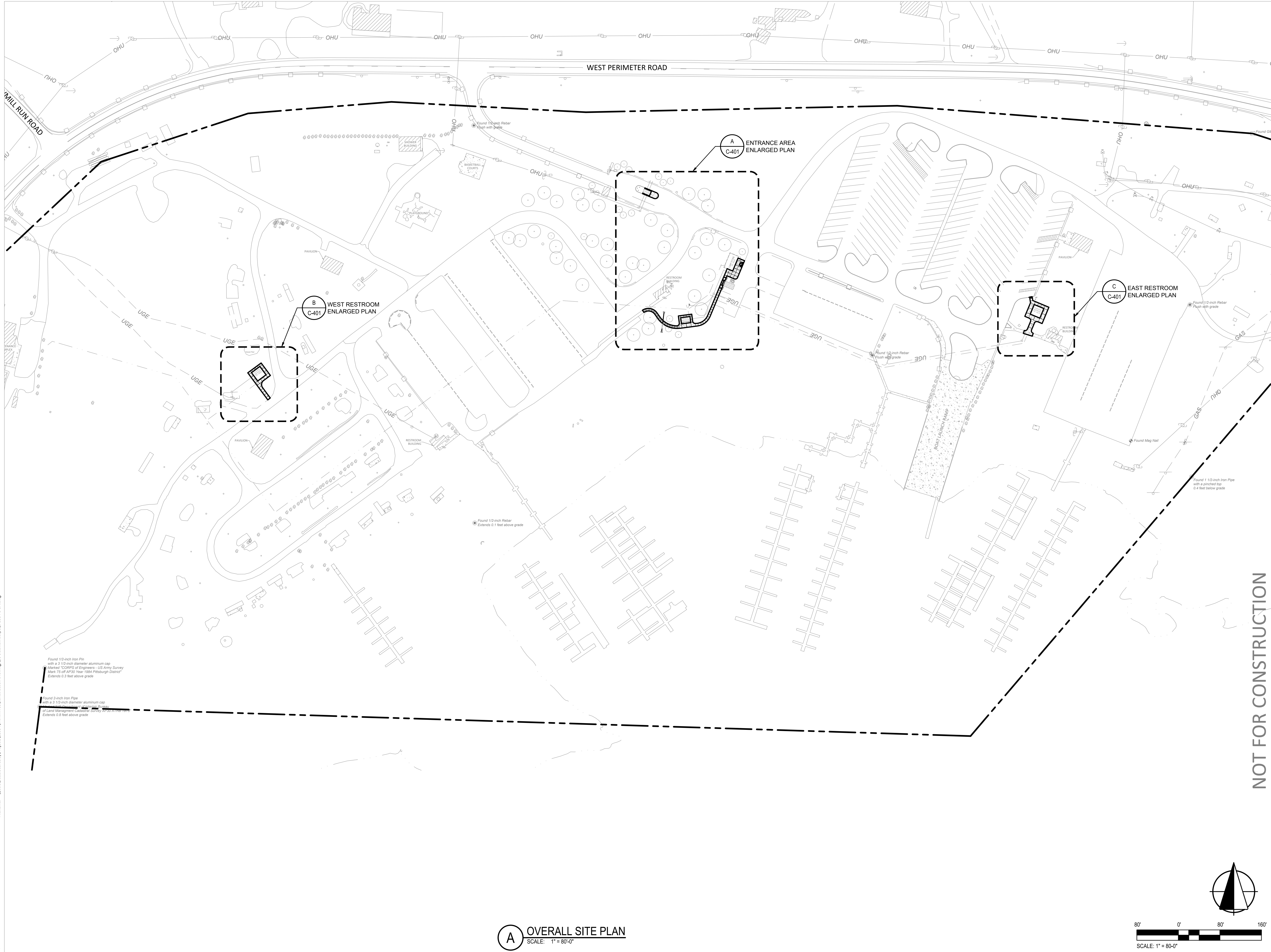
C-001

ABBREVIATIONS

Table with 4 columns: Abbreviation, Description, Abbreviation, Description. Includes entries like ADA (AMERICANS WITH DISABILITIES ACT), APPROX (APPROXIMATELY), ASTM (AMERICAN SOCIETY FOR TESTING AND MATERIALS), etc.

* NOTE * NOT ALL ABBREVIATIONS MAY BE USED

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AUBURN
64 South Street
Auburn, NY 13021
315.253.7301

MALONE
320 West Main Street
Malone, NY 12953
518.483.1585

SYRACUSE
5789 Widewaters Pkwy
Dewitt, NY 13214
315.472.6980

AUBURN
150 State Street
4th Floor
Albany, NY 12207
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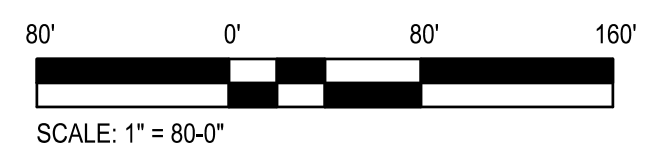
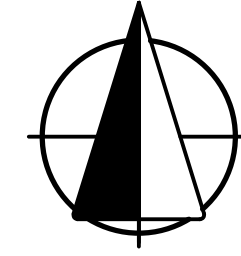
Drawn By: CEB
Designed By: CEB
Reviewed By: JRH

**ONOVILLE MARINA PARK
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704 West Perimeter Road, Frewsburg, NY 14738

no.	revision description	by	date

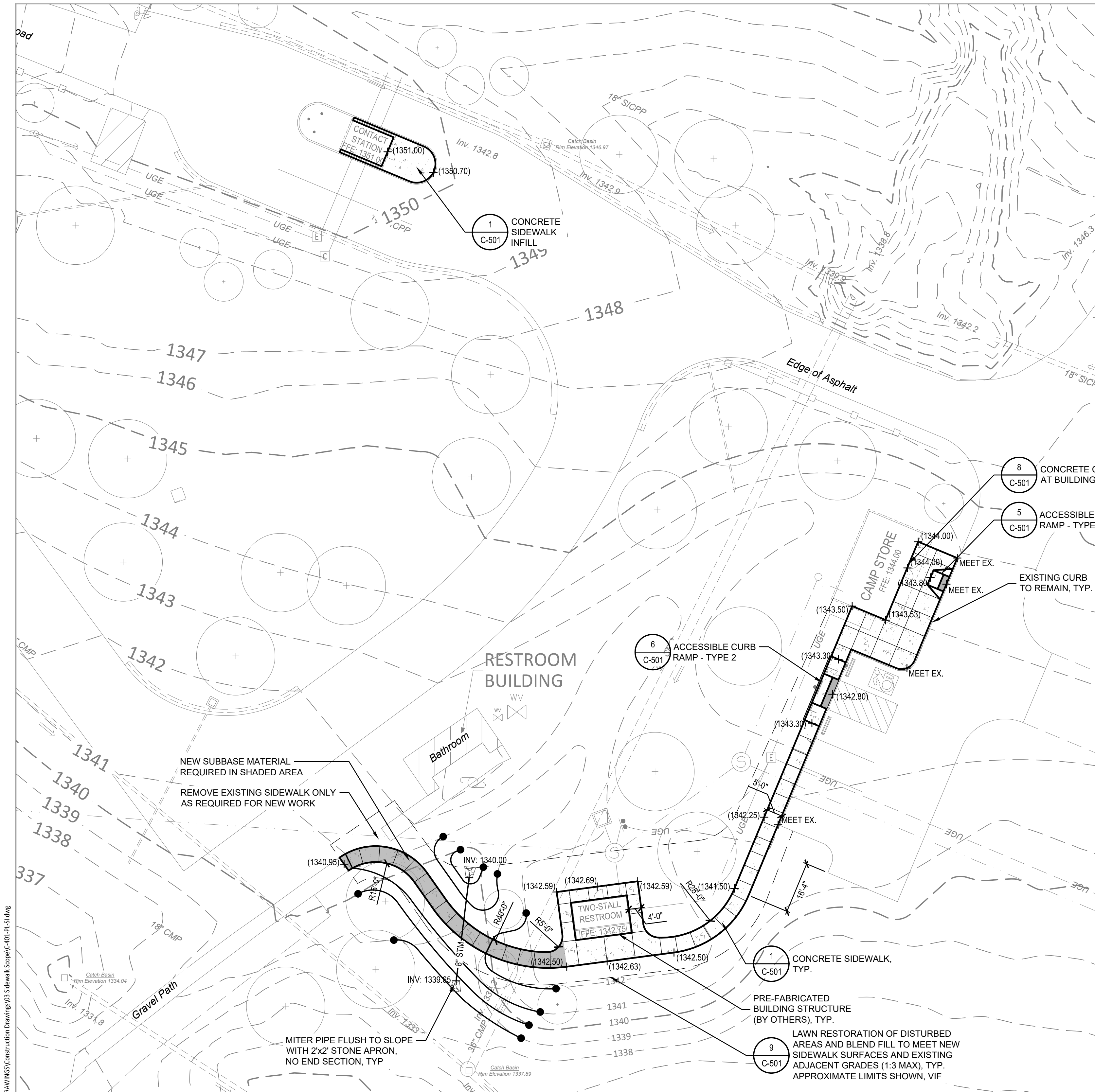
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OVERALL SITE PLAN

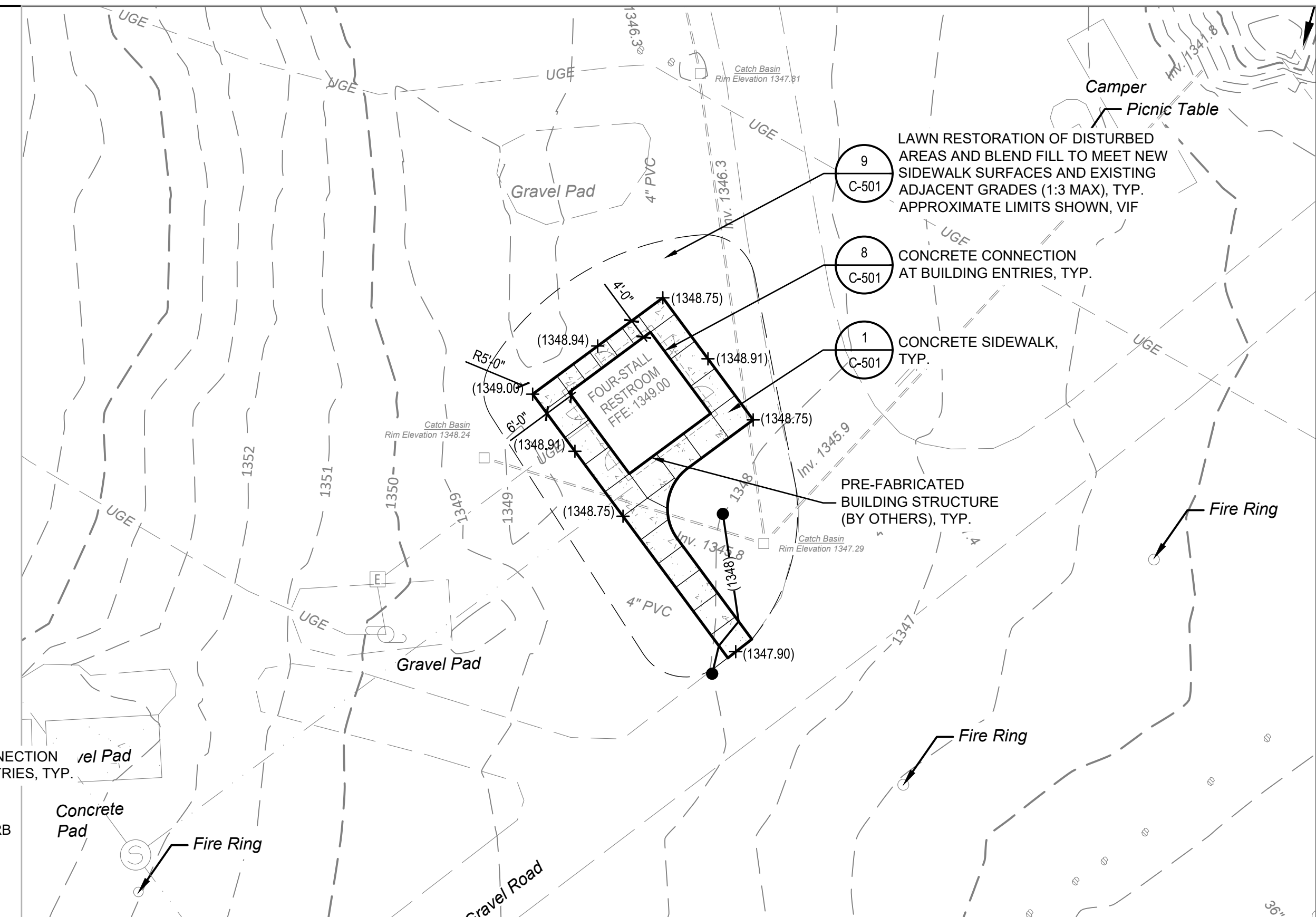


A OVERALL SITE PLAN
SCALE: 1" = 80'-0"

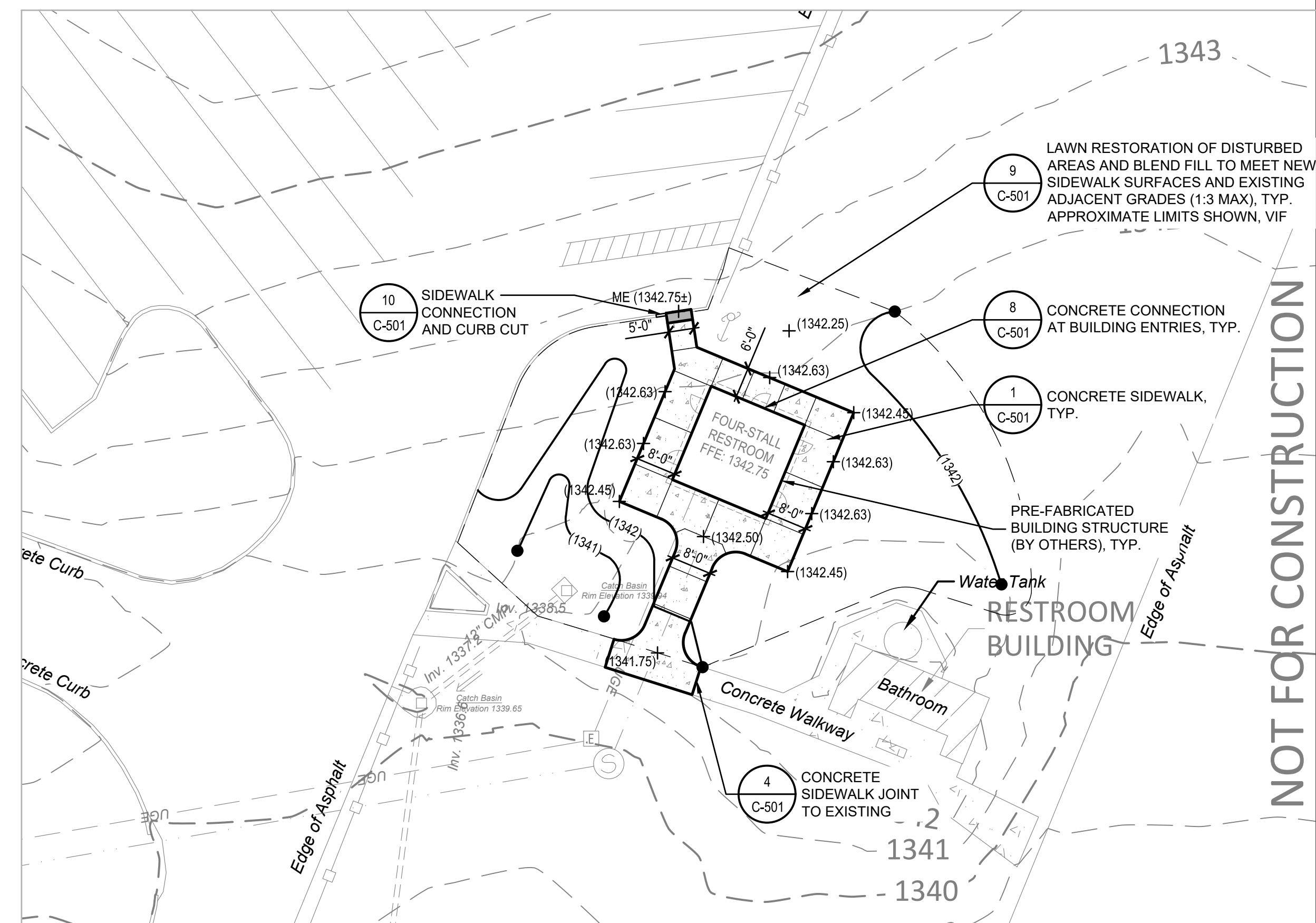
C-101



A SITE IMPROVEMENT PLAN - ENTRANCE AREA
SCALE: 1" = 20'-0"

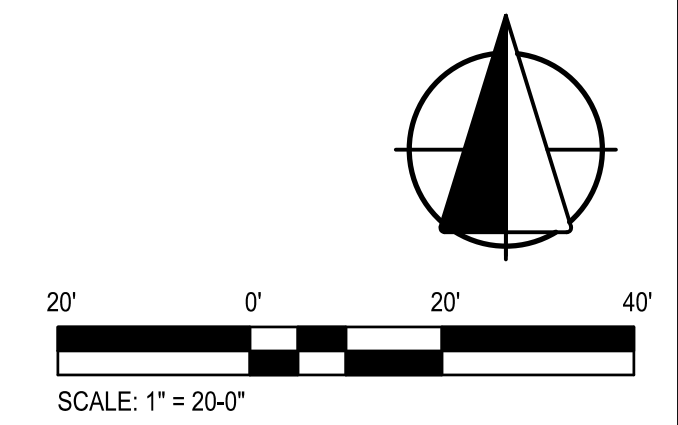


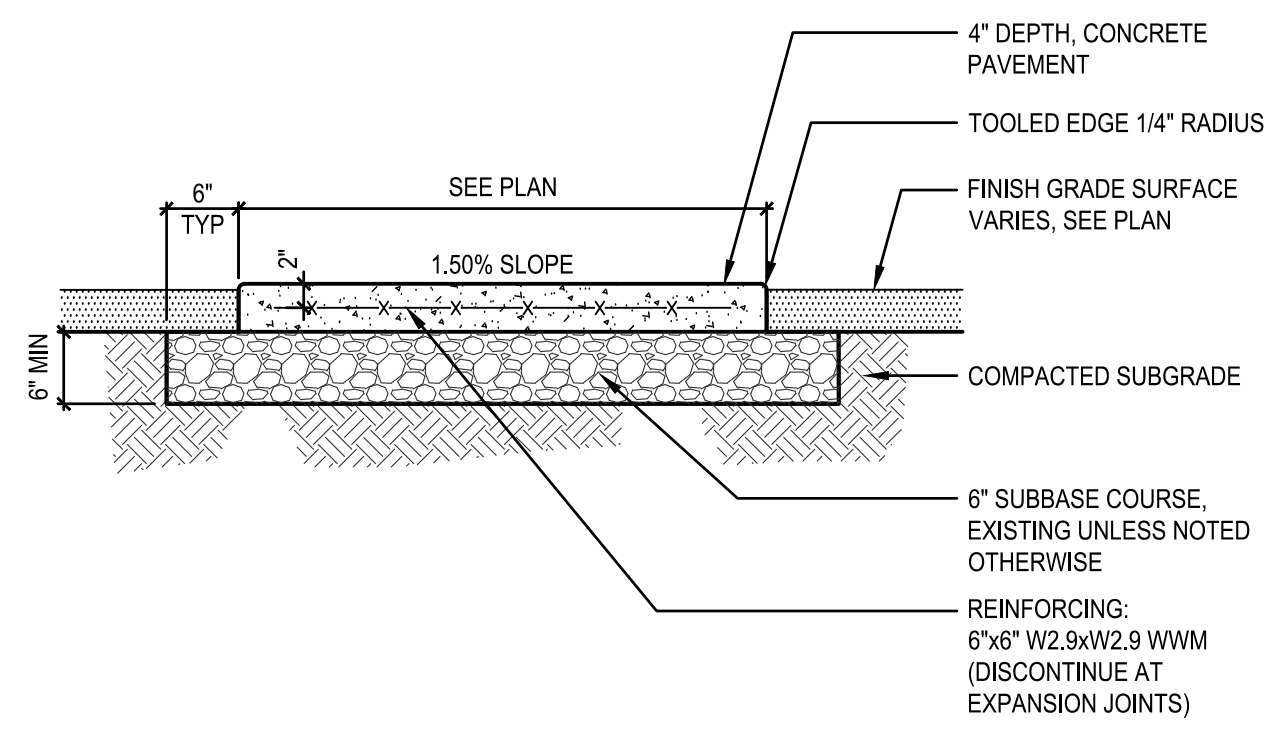
B SITE IMPROVEMENT PLAN - WEST RESTROOM AREA
SCALE: 1" = 20'-0"



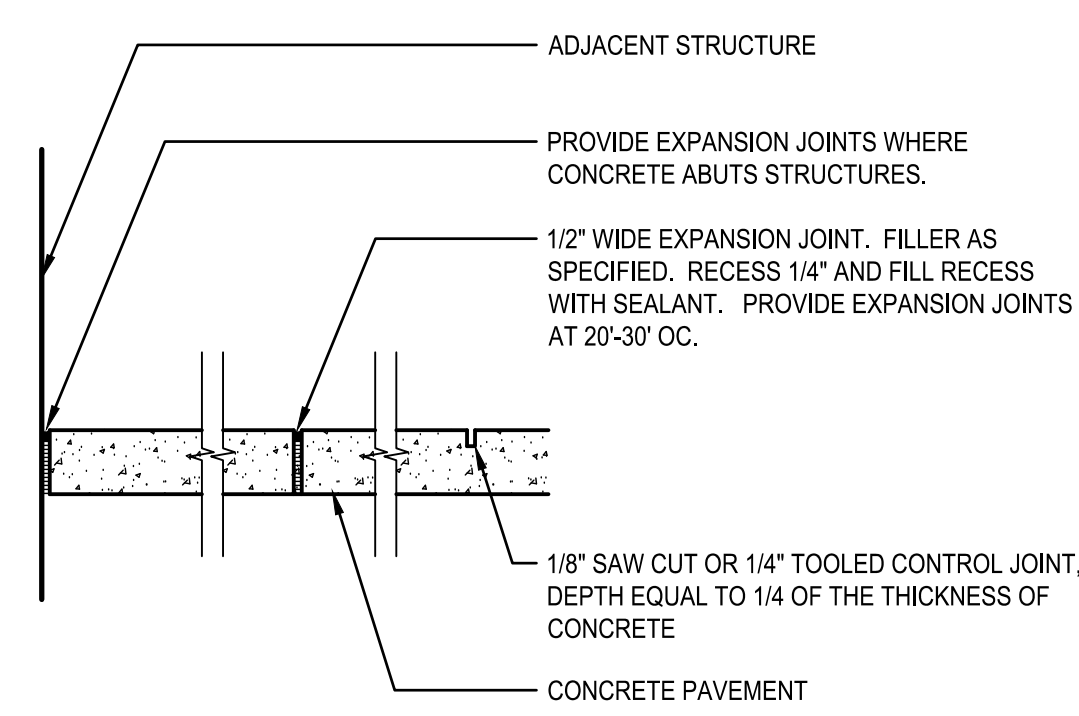
C SITE IMPROVEMENT PLAN - EAST RESTROOM AREA
SCALE: 1" = 20'-0"

- GRADING SURFACE TOLERANCES:**
- PERIMETER OF ALL SIDEWALK WORK SHALL BE BLENDED SMOOTHLY TO PROVIDE POSITIVE DRAINAGE AND MEET EXISTING AND PROPOSED SURFACES. PROVIDE 1V:3H MAXIMUM TRANSITION SLOPES.
 - ALL CONCRETE SURFACES SHALL BE SET TO THE GRADES AS DESIGNED, OR AS OTHERWISE DIRECTED BY THE ENGINEER DURING CONSTRUCTION. SURFACES SHALL DRAIN AWAY FROM STRUCTURES AT 1% MIN, 2% MAX SLOPE.
 - GRADE TO MEET EXISTING TOP OF CURB, ADJOINING PAVEMENT SURFACES, DOOR THRESHOLDS, OR OTHER FEATURES.

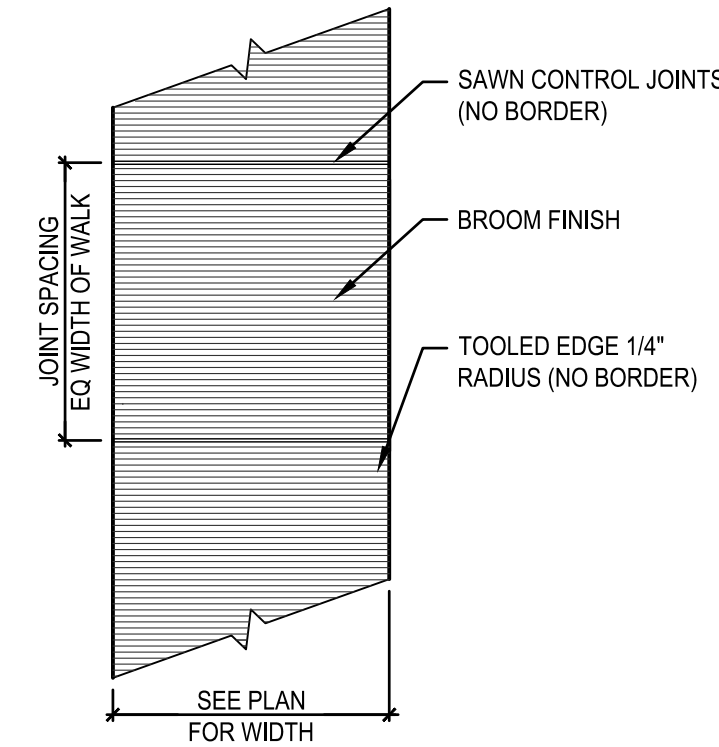




1 CONCRETE SIDEWALK
SCALE: NONE

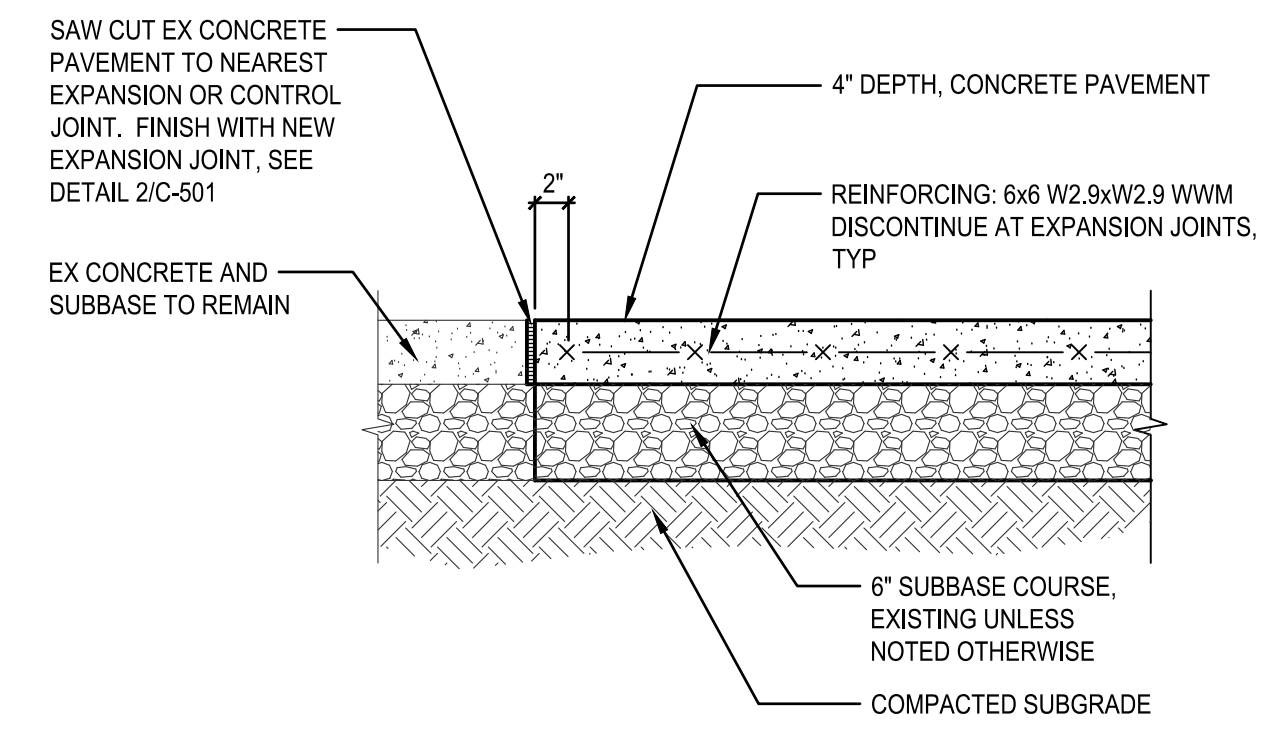


2 CONCRETE PAVEMENT JOINTS
SCALE: NONE

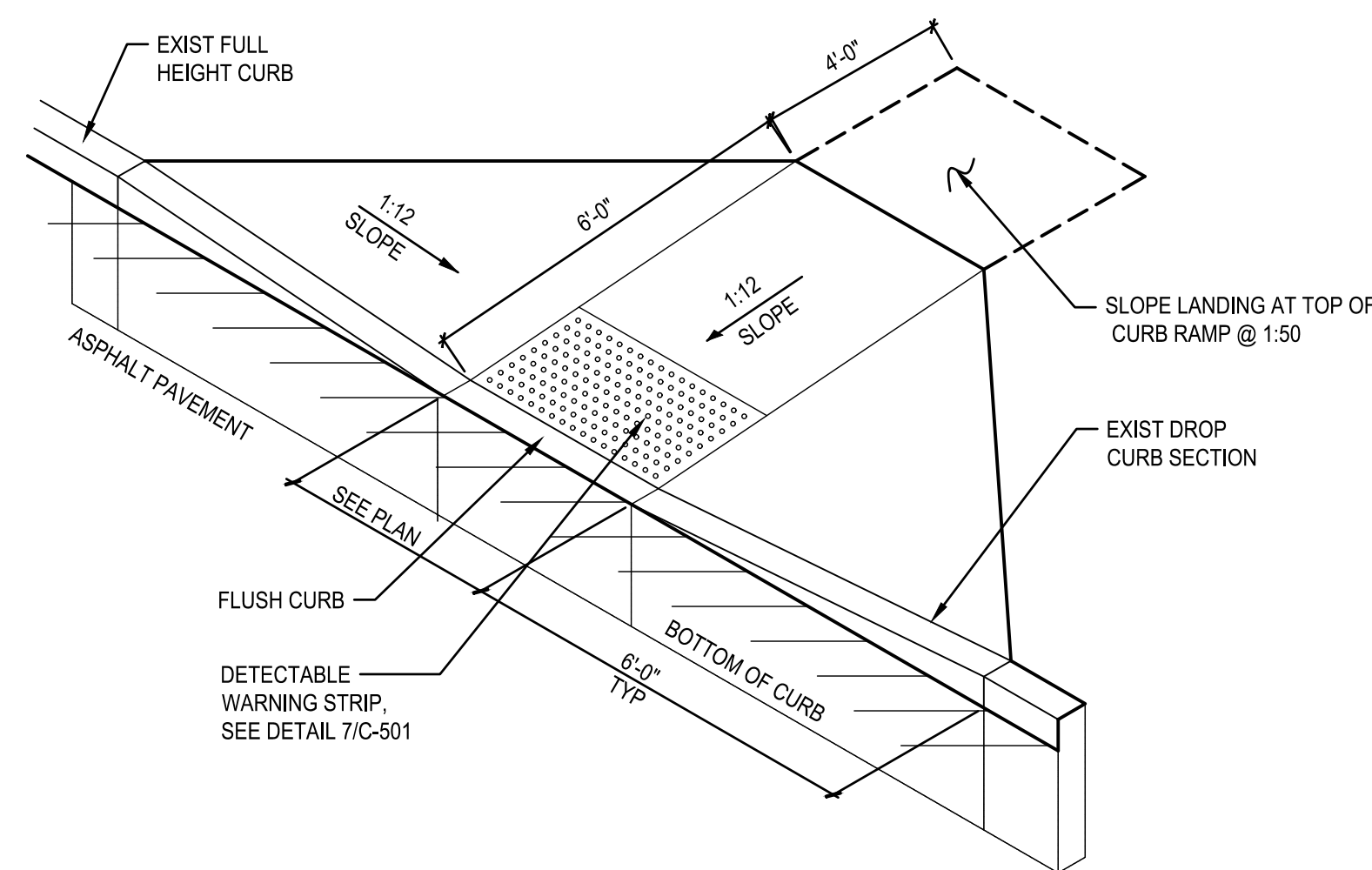


NOTES:
1. PROVIDE BROOM FINISH IN ONE DIRECTION PERPENDICULAR TO DIRECTION OF TRAFFIC.
2. WINDOW PANE BORDERS AT EDGE OF PAVEMENT AND AT JOINTS IS NOT PERMITTED.

3 CONCRETE PAVEMENT FINISH
SCALE: NONE

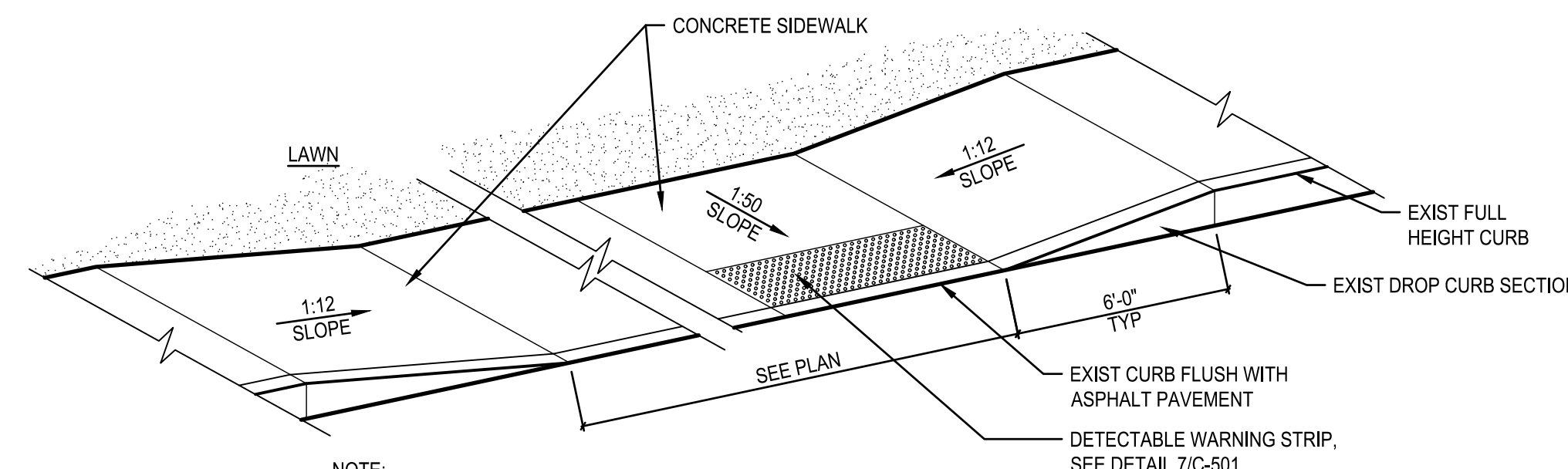


4 CONCRETE PAVEMENT JOINT TO EXISTING
SCALE: NONE



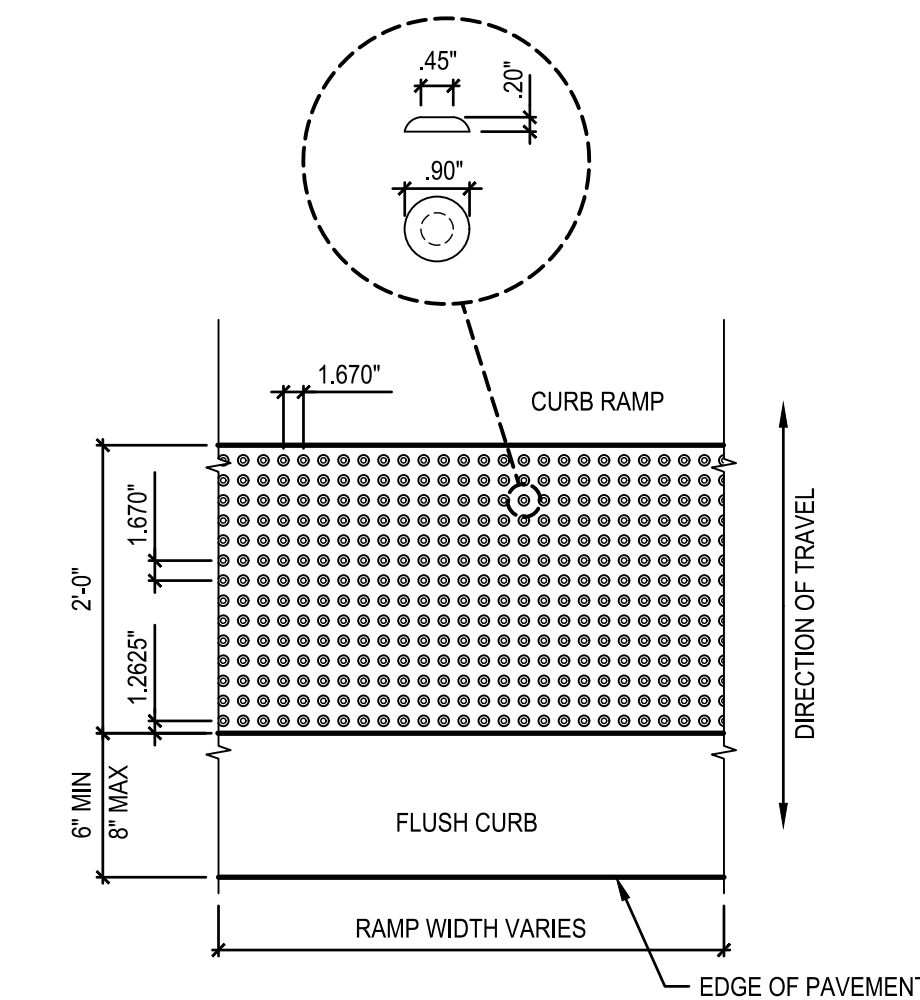
NOTE:
1. CURB RAMP SHALL INCLUDE 4" DEPTH CONCRETE PAVEMENT WITH 6" DEPTH COMPACTED STONE SUBBASE COURSE. PROVIDE 6x6, W2.9xW2.9 WWM REINFORCING. BROOM FINISH PERPENDICULAR TO DIRECTION OF TRAFFIC.

5 ACCESSIBLE CURB RAMP - TYPE 1
SCALE: NONE

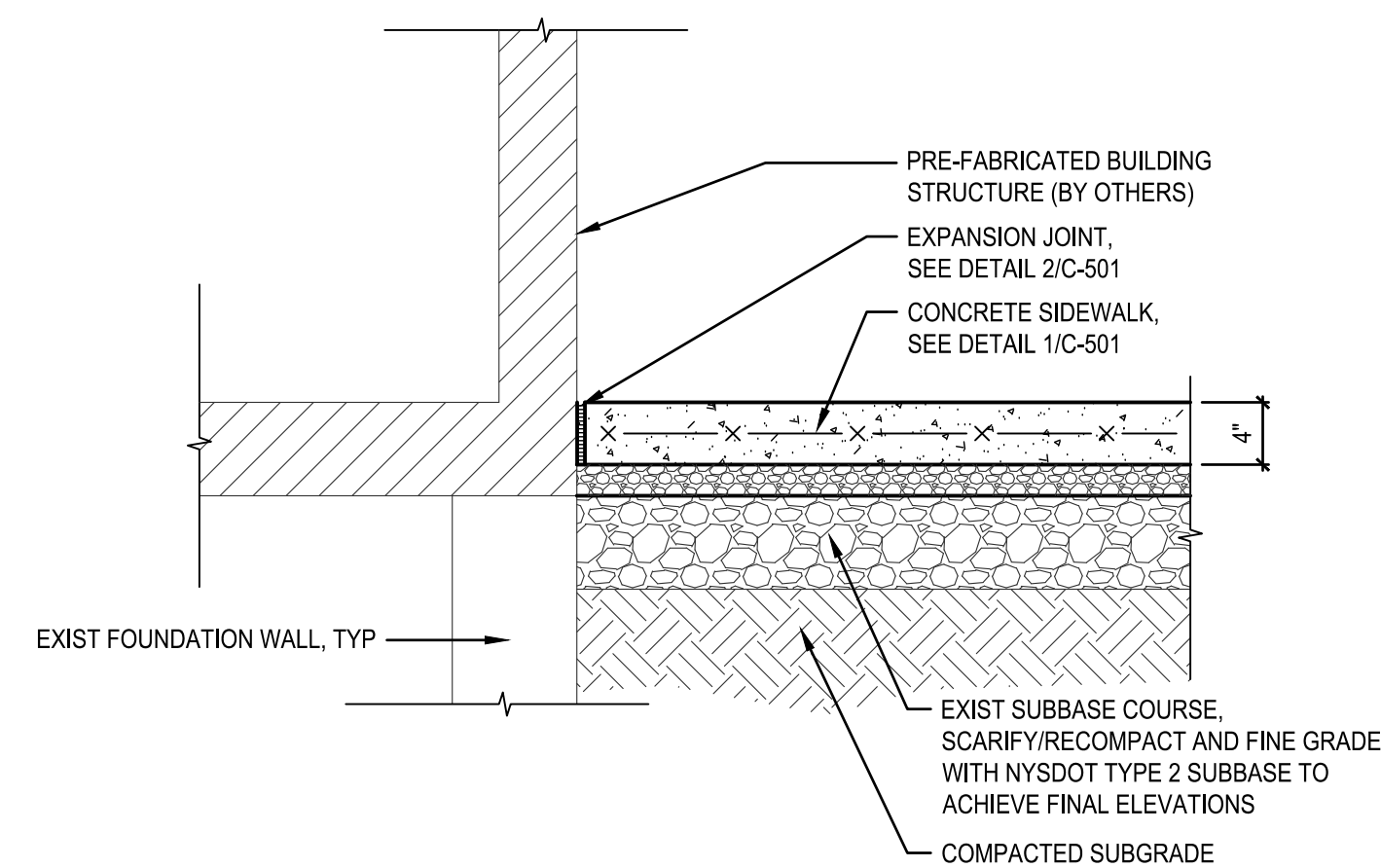


NOTE:
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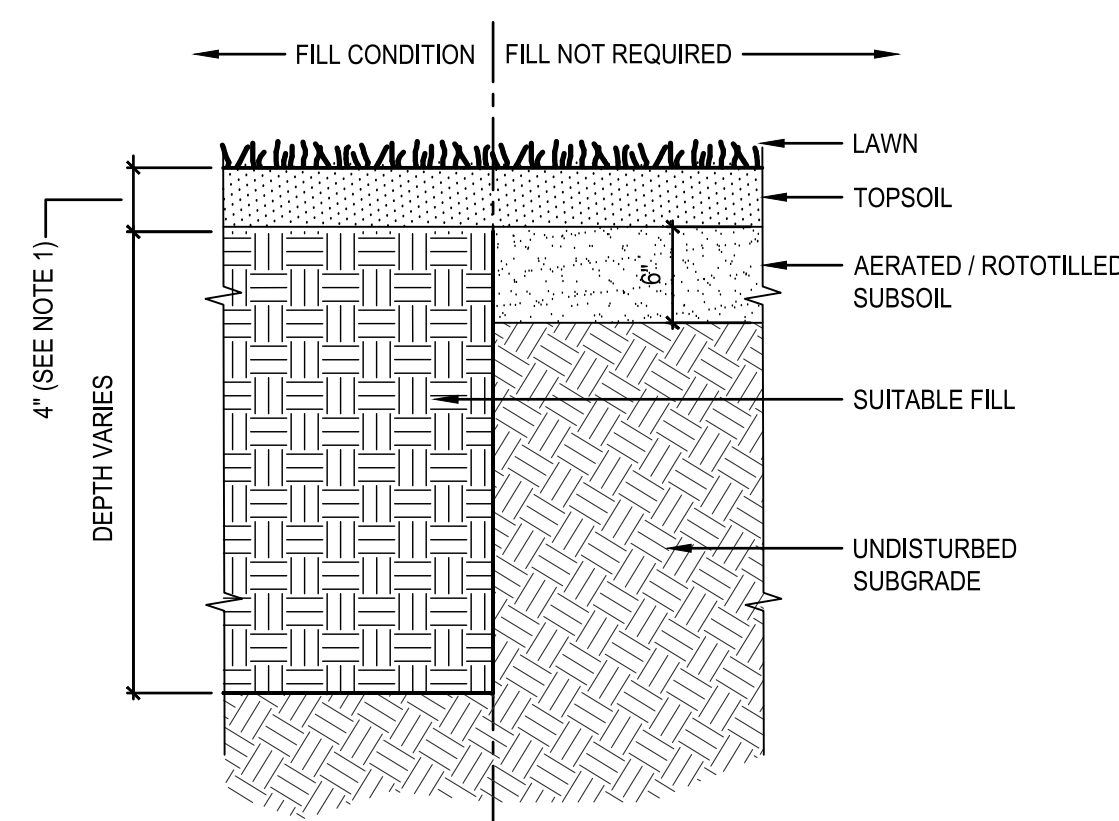
6 ACCESSIBLE CURB RAMP - TYPE 2
SCALE: NONE



7 DETECTABLE WARNING STRIP
SCALE: NONE

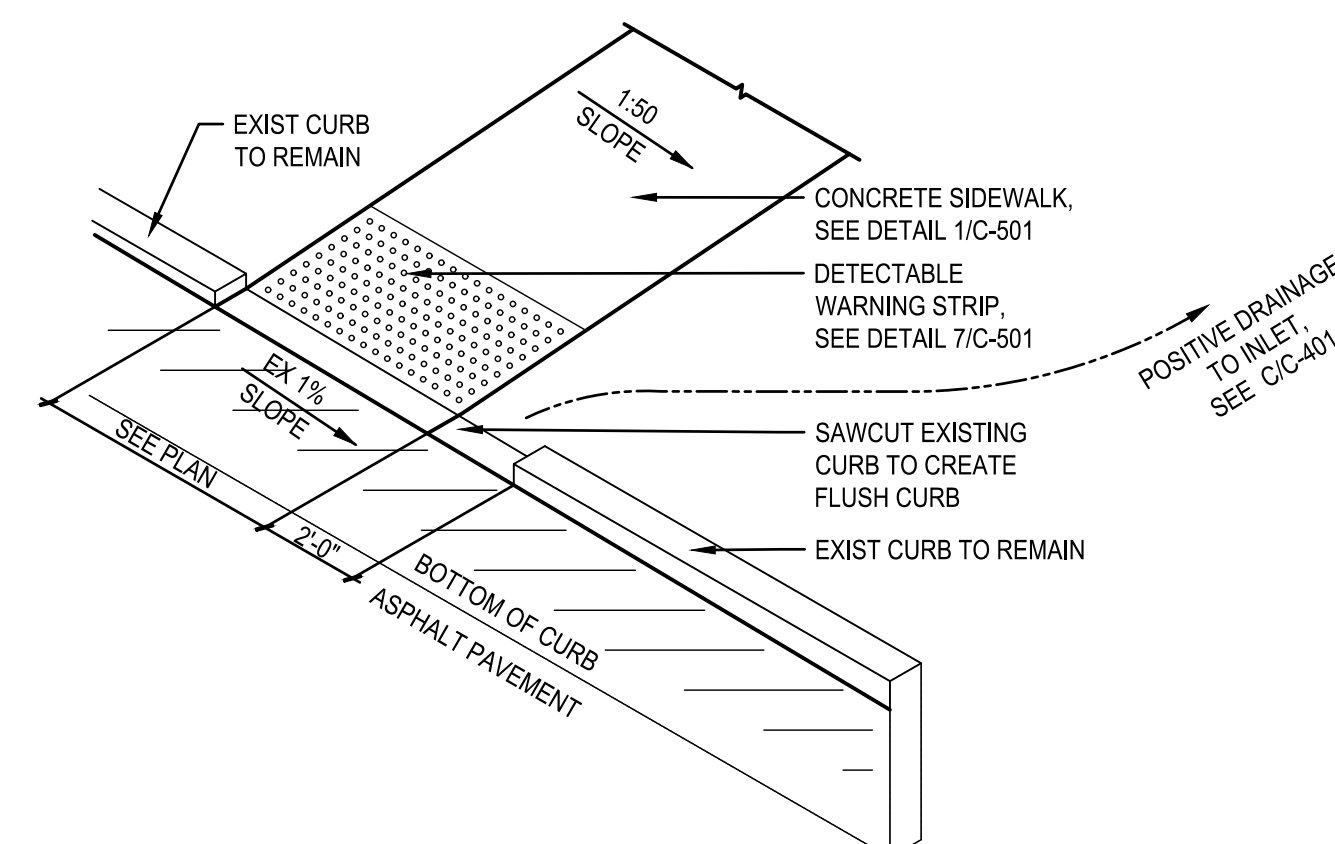


8 CONCRETE CONNECTION AT BUILDINGS
SCALE: NONE



NOTES:
1. PROVIDE 4" MINIMUM TOPSOIL (AFTER SETTLEMENT) ON ALL AREAS DISTURBED BY CLEARING, GRADING AND OTHER CONSTRUCTION RELATED ACTIVITIES. SEED, FERTILIZE AND MULCH ALL RESTORED AREAS.

9 LAWN RESTORATION
SCALE: NONE



10 SIDEWALK CONNECTION & CURB CUT
SCALE: NONE

NOT FOR CONSTRUCTION

consultant or key plan

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SITE IMPROVEMENT DETAILS

C-501

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