CAPITOL COMPLEX PARKING LOT 15 REPLACEMENT
DAS PROJECT NO: 9376.00

LUCAS BUILDING
321 E 12TH STREET
DES MOINES, IA 50319

CONTROL POINTS				
NAME	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	579856.696	1612998.336	96.65	CUT 'X'
2	580123.917	1612926.352	101.46	CUT 'X'
3	580033.314	1612598.795	106.10	CUT 'X'
4	579765.682	1612670.764	104.39	CUT 'X'
5	580104.058	1612921.381	100.69	CUT 'X'
6	579896.788	1612987.742	98.09	CUT 'X'
50	579807.492	1613048.035	94.93	CUT 'X'

COORDINATE SYSTEM: IOWA STATE PLANE - SOUTH

Sheet List Table

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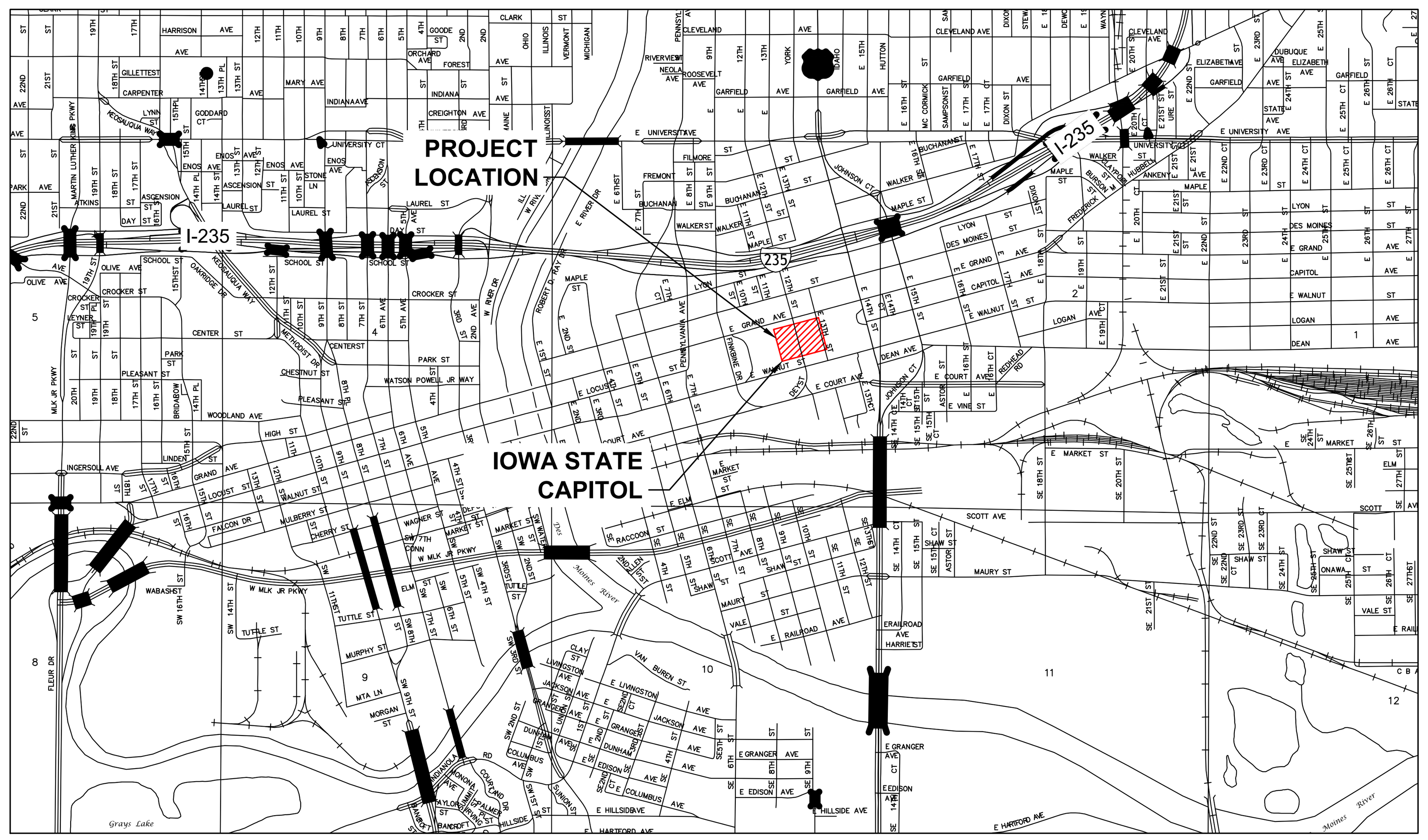
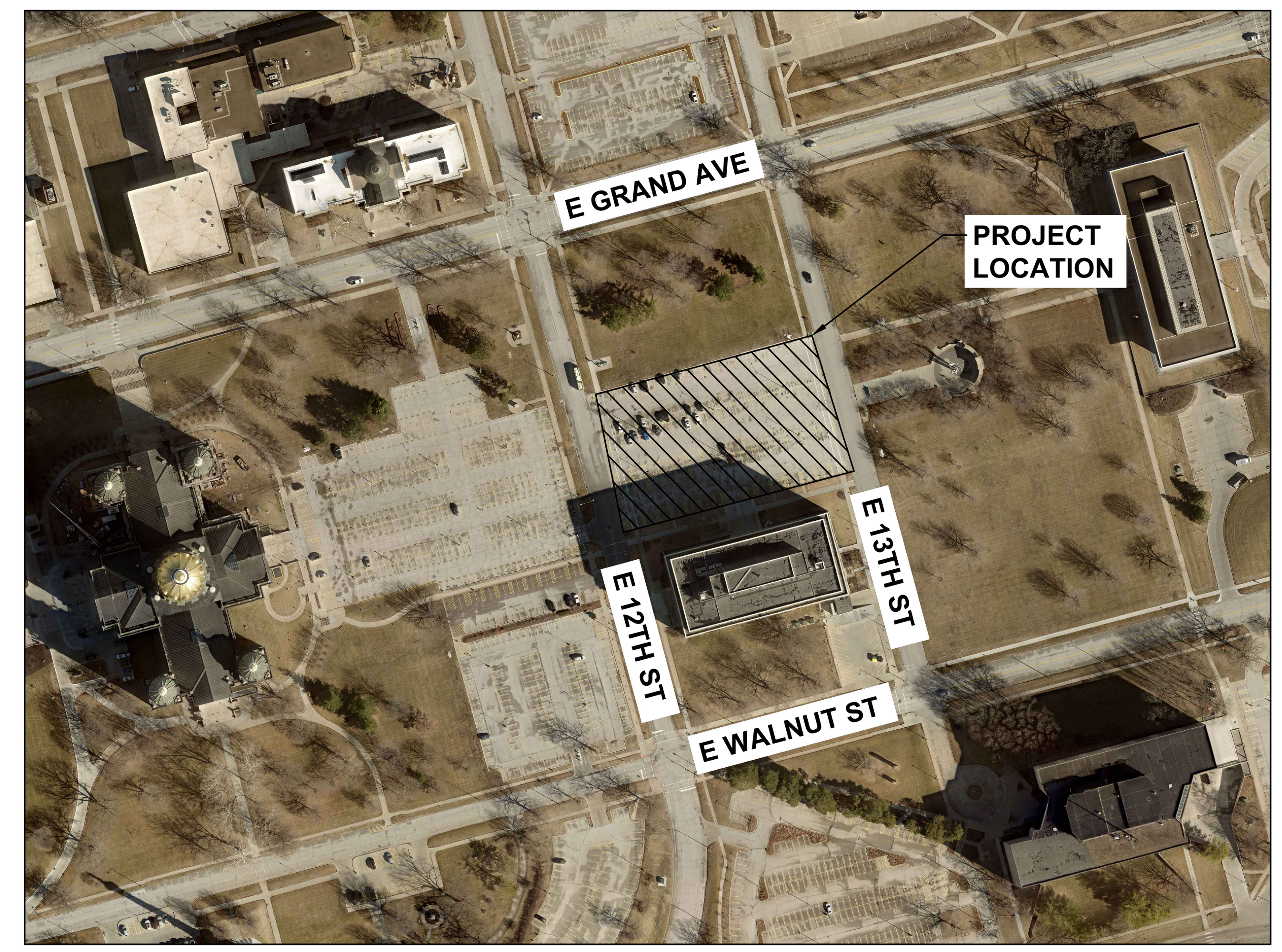


VICINITY MAP
NTS



PROJECT MAP
NTS

CONTACT INFORMATION

ENGINEER
SHIVE-HATTERY, INC.
ATTN: CHRIS BAUER OR KYLE LAWSON
CBAUER@SHIVE-HATTERY.COM
KLAWSON@SHIVE-HATTERY.COM
4125 WESTOWN PKWY, SUITE 100
WEST DES MOINES, IA 50266
515-223-8104

OWNER
IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
DIVISION OF BUSINESS AND PROPERTY SERVICES
ATTN: BRAD TONYAN
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109 SE 13TH STREET
DES MOINES, IA 50319
515-360-7718

CONSTRUCTION MANAGER
DCI GROUP
ATTN: TRAVIS HOYLE
TRAVISH@DCIGROUP-US.COM
220 SE 6TH ST, UNIT #200
DES MOINES, IA, 50309

SITE ADDRESS
LUCAS BUILDING
321 E 12TH ST
DES MOINES IA, 50319

Legend

EXISTING	DESCRIPTION	PROPOSED
	TREE	
	TREE REMOVAL	
	LIGHT POLE	
	BOLLARD	
	CURB INTAKE	
	STORM INTAKE	
	DRAINAGE MANHOLE	
	CURB AND GUTTER (PCC)	
910	MAJOR CONTOUR	910
909	MINOR CONTOUR	909
E	ELECTRICAL LINE	E
	SANITARY SEWER	
	STORM SEWER	
	BUILDING	
	PCC PAVING	
	PAVING DEMO	

GENERAL NOTES

1. THE LOCATIONS OF UTILITY MAINS, STRUCTURES AND SERVICE CONNECTIONS PLOTTED ON THE DRAWINGS ARE APPROXIMATE ONLY AND WERE OBTAINED FROM RECORDS MADE AVAILABLE TO SHIVE-HATTERY, INC. THERE MAY BE OTHER EXISTING UTILITY MAINS, STRUCTURES AND SERVICE CONNECTIONS NOT KNOWN TO SHIVE-HATTERY, INC. AND NOT SHOWN ON THE DRAWINGS. THE VERIFICATION OF EXISTENCE OF AND THE DETERMINATION OF THE EXACT LOCATION OF UTILITY MAINS, STRUCTURES AND SERVICE CONNECTIONS SHALL BE THE RESPONSIBILITY OF THE CONSTRUCTION CONTRACTOR(S).
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL UNCOVER EXISTING UTILITIES AT CRITICAL LOCATIONS TO VERIFY EXACT HORIZONTAL AND VERTICAL LOCATION.
3. THE FACILITY WILL COMPLETE PRIVATE UTILITY LOCATES OF ALL FACILITY UTILITIES REQUIRED BY IOWA ONE-CALL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ALL LOCATES AND CONFIRM THEY ARE COMPLETED PRIOR TO THE START OF CONSTRUCTION.
4. IOWA CODE 480, UNDERGROUND FACILITIES INFORMATION, REQUIRES VERBAL NOTICE TO IOWA ONE-CALL BY CALLING 811 OR 1-800-292-8989 NOT LESS THAN 48 HOURS BEFORE EXCAVATING, EXCLUDING WEEKENDS AND HOLIDAYS.
5. NOTIFY UTILITY COMPANIES WHOSE FACILITIES ARE SHOWN ON THE PLANS OR KNOWN TO BE WITHIN THE CONSTRUCTION LIMITS OF THE SCHEDULE PRIOR TO EACH STAGE OF CONSTRUCTION.
6. UNLESS OTHERWISE SPECIFIED, ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF IOWA STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS).
7. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY/COUNTY/STATE REGULATIONS/CODES AND OSHA STANDARDS.
8. THE MEANS OF THE WORK AND THE SAFETY OF THE CONTRACTOR'S EMPLOYEES ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
9. NO WORK SHALL BE PERFORMED BEYOND THE PROJECT LIMITS WITHOUT PRIOR AUTHORIZATION FROM THE OWNER'S REPRESENTATIVE.
10. PROTECT EXISTING UTILITIES DURING CONSTRUCTION.
11. MAINTAIN POSITIVE DRAINAGE ON THE SITE THROUGHOUT THE PROJECT DURATION.
12. SITE CLEAN-UP SHALL BE PERFORMED ON A DAILY BASIS. DRIVES, ROADWAYS, ETC. SHALL BE KEPT CLEAN AT ALL TIMES.
13. ALL OPEN EXCAVATIONS SHALL BE PROTECTED.
14. REPAIR OR REPLACE DAMAGED SITE FEATURES (WALLS, PAVEMENT, UTILITIES, FENCES, ETC.) TO REMAIN AT NO ADDITIONAL EXPENSE TO THE STATE.
15. ANY WORK REQUIRED TO COMPLETE THE SCOPE OF THIS PROJECT BUT NOT SPECIFICALLY CALLED OUT SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. NO ADDITIONAL COMPENSATION TO BE ALLOWED FOR THE COMPLETION OF THIS WORK.
16. WORK WHICH DOES NOT CONFORM TO THE REQUIREMENTS OF THE CONTRACT WILL BE CONSIDERED UNACCEPTABLE. UNACCEPTABLE WORK, WHETHER THE RESULT OF POOR WORKMANSHIP, USE OF DEFECTIVE MATERIALS, DAMAGE THROUGH CARELESSNESS OR ANY OTHER CAUSE FOUND TO EXIST PRIOR TO THE FINAL ACCEPTANCE OF THE WORK SHALL BE REMOVED AND REPLACED IN AN ACCEPTABLE MANNER AS REQUIRED BY THE OWNER'S REPRESENTATIVE AT THE CONTRACTOR'S EXPENSE. WORK DONE CONTRARY TO THE INSTRUCTIONS OF THE OWNER'S REPRESENTATIVE, WORK DONE BEYOND THE LINES SHOWN ON THE PLANS OR ANY EXTRA WORK DONE WITHOUT WRITTEN AUTHORIZATION WILL NOT BE PAID FOR.
17. CONTOURS AND SPOT ELEVATIONS SHOWN ARE TO FINISHED GRADE.
18. THE CONTRACTOR SHALL MATCH EXISTING GRADES AT THE CONSTRUCTION LIMITS.
19. STAGING LOCATIONS AND CONSTRUCTION ACCESS ROUTES FOR CONSTRUCTION EQUIPMENT AND MATERIALS SHALL BE COORDINATED WITH AND APPROVED BY THE FACILITY AND CONSTRUCTION MANAGER.
20. THE CONTRACTOR SHALL PROVIDE EROSION CONTROL MEASURES NECESSARY TO PROTECT AGAINST SILTATION, EROSION AND DUST POLLUTION ON THE PROJECT SITE AND ANY OFF-SITE BORROW OR DISPOSAL AREAS USED FOR THIS PROJECT. COMPLY WITH SOIL EROSION CONTROL REQUIREMENTS OF IOWA CODE, FEDERAL REGULATIONS AND LOCAL ORDINANCES.
21. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE SODDED PER THE SPECIFICATIONS. A MINIMUM OF 6" OF TOPSOIL SHALL BE PROVIDED PER SPECIFICATIONS.
22. CONTROL DUST SPREADING FROM ALL WORK AND STAGING AREAS.
23. CONTRACTOR TO COORDINATE ANY SITE, UTILITY OR GRADE ADJUSTMENTS WITH THE CONSTRUCTION MANAGER AND ENGINEER PRIOR TO PROCEEDING WITH THE WORK.

THE MOST RECENT EDITION OF THE IOWA STATEWIDE URBAN DESIGN SPECIFICATIONS FOR PUBLIC IMPROVEMENTS SHALL APPLY TO ALL WORK PERFORMED ON THIS PROJECT EXCEPT AS MODIFIED HEREIN.

ELECTRICAL ENGINEER

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT DESCRIBED BELOW WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

Signature: Date

Printed or typed name: KEVIN J. BRUXVOORT
License Number: 19927
My License Renewal Date is: DECEMBER 31, 2025
PAGES, SHEETS OR DIVISIONS COVERED BY THIS SEAL:
E101

CIVIL ENGINEER

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT DESCRIBED BELOW WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

Signature: Date

Printed or typed name: KYLE A. LAWSON
License Number: 26414
My License Renewal Date is: DECEMBER 31, 2025
PAGES, SHEETS OR DIVISIONS COVERED BY THIS SEAL:
ALL 'C' SHEETS

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CAPITOL COMPLEX PARKING
LOT 15 REPLACEMENT

IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
9376.00
321 E 12TH STREET, DES MOINES, IA 50319

CONSTRUCTION
ISSUE DATE: 03/20/2024

PROJECT NUMBER: 2142305620

CONSTRUCTION STAGING NOTES

1. CONTRACTOR SHALL COORDINATE ALL STAGING AREAS WITH THE FACILITY AND CONSTRUCTION MANAGER.
2. CONTRACTOR SHALL REPLACE ALL PAVEMENT DAMAGED BY CONSTRUCTION ACTIVITIES AT THE END OF CONSTRUCTION. CONTRACTOR TO PROVIDE PHOTO DOCUMENTATION OF EXISTING CONDITIONS PRIOR TO BEGINNING WORK.
3. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS NOT TO BE PAVED TO THEIR ORIGINAL CONDITION AT THE END OF CONSTRUCTION. ALL DISTURBED AREAS SHALL BE SCARIFIED, TILLED AND SODDED. CONTRACTOR TO PROVIDE PHOTO DOCUMENTATION PRIOR TO BEGINNING WORK.
4. CONTRACTOR SHALL PROVIDE BARRICADES, FENCING OR OTHER DEVICES TO KEEP UNAUTHORIZED PERSONNEL OUT OF PROJECT SITE.

TRAFFIC AND PEDESTRIAN CONTROL NOTES

1. CONTRACTOR TO COORDINATE WITH CAPITOL COMPLEX PROIR TO CLOSING DOWN STREET PARKING DURING CONSTRUCTION. ACCESS TO ADJACENT BUILDINGS, DRIVES, PARKING AND SIDEWALKS ARE TO BE MAINTAINED THROUGHOUT CONSTRUCTION UNLESS APPROVED BY OWNER.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTROL TRAFFIC DURING CONSTRUCTION AND PROVIDE ADEQUATE TRAFFIC AND PEDESTRIAN CONTROL AND SIGNAGE.
3. CONTRACTOR TO INSTALL AND MAINTAIN ORANGE CONSTRUCTION FENCE AROUND ALL AREAS OF ACTIVE CONSTRUCTION. CONTRACTOR SHALL ASSUME PEDESTRIAN TRAFFIC WILL BE IN THE AREA THROUGHOUT THE PROJECT DURATION.
4. PEDESTRIAN ACCESS MUST BE MAINTAINED TO ALL BUILDINGS THROUGHOUT CONSTRUCTION. COORDINATE WITH FACILITY AND CONSTRUCTION MANAGER ON PHASING AND SHUT DOWN OF ALL DRIVES AND SIDEWALKS. TEMPORARY GRANULAR PATCHES WILL BE REQUIRED FOR ANY DRIVES AND SIDEWALKS WHICH ARE NOT PATCHED WITH CONCRETE IN A TIMELY MANNER TO LIMIT DISRUPTIONS TO CAMPUS TRAFFIC AND PEDESTRIAN FLOW.
5. CONTRACTOR TO COORDINATE CONSTRUCTION ACCESS, STAGING AND PARKING AREAS WITH FACILITY AND CONSTRUCTION MANAGER AND MINIMIZE IMPACTS TO FACILITY'S OPERATIONS.

DEMOLITION NOTES

1. REMOVAL REQUIREMENTS SHOWN ON THE PLANS SHOULD BE CONSIDERED MINIMUM REMOVAL AND REPLACEMENT REQUIREMENTS. CONTRACTORS SHALL ADJUST REMOVAL LIMITS AND DIMENSIONS AS REQUIRED BY CONSTRUCTION MEANS AND METHODS AND ACTUAL SITE CONDITIONS. CONTRACTORS SHOULD FACTOR ADDITIONAL ANTICIPATED REMOVAL AND REPLACEMENT REQUIREMENTS INTO THEIR BIDS AS ADDITIONAL COMPENSATION REQUESTS FOR ADJUSTED OR EXPANDED REMOVAL LIMITS WILL NOT BE APPROVED.
2. CONTRACTOR SHALL REPLACE AT NO COST TO THE STATE ALL DAMAGED STREETS, DRIVES, SIDEWALKS, CURB AND GUTTER, SIGNS, PAVEMENT MARKINGS, LIGHTS, FENCES AND ALL OTHER SURFACE STRUCTURES NOT SCHEDULED TO BE REMOVED DURING THE COURSE OF THE WORK.
3. ALL LANDSCAPING, INCLUDING TREES, SHRUBS AND PERENNIALS NOT CALLED OUT TO BE REMOVED OR APPROVED FOR REMOVAL BY CONSTRUCTION MANAGER, SHALL BE PROTECTED AND REPLACED AT NO COST TO THE STATE IF DAMAGED DURING CONSTRUCTION. REPLACE TREES WITH (1) EQUIVALENT TREE UP TO 6" CALIPER AND (1) ADDITIONAL TREE FOR EVERY 6" CALIPER BEYOND THAT. ALL PLANTS THAT ARE DESTROYED OR DAMAGED SHALL BE REPLACED WITH NEW PLANTS OF THE EQUIVALENT TYPE.
4. WHERE A SECTION OF PAVEMENT, CURB AND GUTTER OR SIDEWALK IS CUT OR OTHERWISE DAMAGED BY THE CONTRACTOR, THE ENTIRE SECTION SHALL BE REMOVED AND REPLACED. PAVEMENT, CURBS AND GUTTERS AND SIDEWALKS SHALL BE REMOVED TO THE NEAREST JOINT A MINIMUM OF TWO FEET BEYOND THE EDGE OF ALL EXCAVATIONS. CONTRACTOR SHALL DOCUMENT (OR PHOTOGRAPH) ALL CRACKED PCC PAVEMENT OR DAMAGED HMA PAVEMENT PRIOR TO CONSTRUCTION. IF NEW CRACKS IN PCC PAVEMENT DEVELOP OR HMA PAVEMENT IS DAMAGED DUE TO CONSTRUCTION TRAFFIC (EXTENDS BEYOND CONSTRUCTION LIMITS), THE CONTRACTOR SHALL REPLACE THE DAMAGED AREA AT NO ADDITIONAL COST TO STATE.
5. FIRE PROTECTION ACCESS AND FIRE HYDRANTS SHALL BE MAINTAINED THROUGHOUT THE PROJECT. ALL EXISTING FIRE HYDRANTS SHALL BE PROTECTED AND MAINTAINED.
6. THE CONTRACTOR SHALL COORDINATE ANY DISRUPTION OF EXISTING UTILITIES SERVING THE FACILITY WITH THE FACILITY AND CONSTRUCTION MANAGER.

EXCAVATION NOTES

1. EXCAVATE TRENCH AND PROVIDE PIPE BEDDING AND BACKFILL MATERIAL PER IOWA SUDAS SPECIFICATIONS OR AS SHOWN ON THE DRAWINGS.
2. STRIP, STOCKPILE AND RESPREAD A MINIMUM OF 6" OF TOPSOIL IN ALL SODDING AREAS DISTURBED BY CONSTRUCTION. DISTURBED AREAS SHALL BE LEFT IN SMOOTH CONDITION READY FOR FINAL SEEDBED PREPARATION BY SITE RESTORATION CONTRACTOR. GRADE ALL DISTURBED AREAS TO DRAIN, AS PONDING OF WATER WILL NOT BE ACCEPTABLE.
3. CONTRACTOR IS RESPONSIBLE FOR ALL TRENCH AND FILL SETTLEMENT FOR THE PROJECT'S ONE YEAR WARRANTY PERIOD. CONTRACTOR SHALL PROVIDE ADDITIONAL FILL MATERIAL AND IS RESPONSIBLE FOR SODDING ALL SETTLEMENT AREAS AFTER SITE RESTORATION HAS BEEN COMPLETED.

GRADING AND EROSION CONTROL NOTES

1. THE DISTURBED CONSTRUCTION AREA IS MORE THAN 1 ACRE, SO AN NPDES GENERAL PERMIT NO. 2 AND STORMWATER POLLUTION PREVENTION PLAN (SWPPP) ARE REQUIRED. THE CONTRACTOR IS RESPONSIBLE FOR EXECUTING PERMIT REQUIREMENTS INCLUDING INSPECTIONS AND INSTALLING AND MAINTAINING EROSION CONTROL THROUGHOUT CONSTRUCTION.
2. OWNER TO COMPLETE REQUIRED PUBLIC NOTICE, OBTAIN A NPDES GENERAL PERMIT #2, AND PROVIDE CONTRACTOR WITH AN EPA TEMPLATE SWPPP. PERMIT RESPONSIBILITIES WILL BE DESIGNATED TO TO THE CONTRACTOR FOR REQUIRED IMPLEMENTATION, EXECUTION, AND MAINTENANCE.
3. BEST MANAGEMENT PRACTICES (BMPs) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY CONSTRUCTION MANAGER OR OWNER'S REPRESENTATIVE.
4. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
5. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN UP FUEL OR CHEMICAL SPILLS AND LEAKS.
6. DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
7. RUBBISH, TRASH, GARBAGE, LITTER OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORMWATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
8. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
9. CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
10. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, WATTLES, INLET PROTECTION, ETC.) TO PREVENT EROSION.
12. ALL STORM SEWER INTAKES THAT RECEIVE STORMWATER RUNOFF FROM DISTURBED AREAS SHALL BE PROVIDED WITH INLET PROTECTION.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION, PERIODIC CHECKING AND REINSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES.
14. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE IOWA DNR, US EPA AND LOCAL REGULATIONS DEALING WITH STORMWATER RUNOFF AND EROSION CONTROL.

UTILITY NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXACT LOCATIONS AND DEPTHS OF ALL EXISTING PUBLIC AND PRIVATE UTILITIES AND WHETHER ADDITIONAL UTILITIES EXIST.
2. ALL HDPE PIPE SHALL BE DUAL-WALLED UNLESS OTHERWISE SPECIFIED AS PERFORATED.
3. ALL EXISTING PUBLIC AND PRIVATE UTILITY STRUCTURES SHALL BE ADJUSTED TO FINAL FINISH GRADES.
4. ALL HDPE BENDS AND CONNECTIONS SHALL BE MANUFACTURED CONNECTIONS.
5. CONTRACTOR TO MODIFY EXISTING INVERTS TO ACCOMMODATE NEW PIPE CONNECTIONS.
6. CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS, SPECIFICATIONS, PERMITS AND FEES.
7. ALL EXISTING AND PROPOSED UTILITY CROSSINGS/CONFLICTS SHALL MEET OR EXCEED IOWA SUDAS HORIZONTAL AND VERTICAL SEPARATION REQUIREMENTS.
8. ALL UNDERGROUND LINES SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
9. STORM PIPE LENGTHS SHOWN ARE INSIDE EDGE TO INSIDE EDGE OF STRUCTURES.
10. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH IOWA SUDAS STANDARD SPECIFICATIONS AND IOWA DOT SPECIFICATIONS, STANDARD ROAD PLANS AND ROAD DESIGN DETAILS, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
11. ALL OPEN EXCAVATIONS SHALL BE PROTECTED WITH SAFETY FENCE, BARRIERS OR BARRICADES IN ACCORDANCE WITH OSHA.
12. CONTRACTOR TO IMPLEMENT TEMPORARY SHORING OR SUPPORT AT ALL UTILITY CROSSINGS AS REQUIRED BY CONTRACTOR'S MEANS AND METHODS. ALL DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE STATE.

PAVEMENT GENERAL NOTES

1. ALL PROPOSED PAVEMENT PATCHES ARE APPROXIMATE ONLY AND SHOULD BE CONSIDERED MINIMUM REMOVAL EXTENTS. EXTEND AND ADJUST PAVEMENT PATCHES AS REQUIRED WITH PRIOR APPROVAL BY ENGINEER.
2. ALL SLOPES IN PAVEMENT SHALL BE UNIFORM TO AVOID PONDING. ANY PONDING ON PAVEMENT PATCHES, NEW PAVING OR ADJACENT PAVING WILL BE CONSIDERED UNACCEPTABLE AND SHALL BE REPLACED.
3. OWNER TO REMOVE ALL SIGNS WITHIN THE CONSTRUCTION LIMITS PRIOR TO THE START OF CONSTRUCTION AND REPLACE THEM ONCE CONSTRUCTION HAS CONCLUDED. ANY STREET SIGNS OR POLES DAMAGED DURING THE COURSE OF WORK TO BE REMOVED AND REPLACED AT NO ADDITIONAL COST TO THE STATE. COORDINATE LOCATIONS WITH THE OWNER.
4. USE TYPE "A" COMPACTION PER IOWA DOT STANDARD SPECIFICATIONS ON SUBGRADE AND SUBBASE.

SPECIFICATIONS

THE MOST RECENT EDITION OF THE IOWA STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS) SHALL APPLY TO ALL SITE WORK PERFORMED ON THIS PROJECT EXCEPT AS MODIFIED HEREIN.

A. CONCRETE PAVING

CONCRETE: MATERIALS AND MIXING FOR ALL CONCRETE WORK, UNLESS OTHERWISE SPECIFIED, SHALL CONFORM TO IOWA DOT SPECIFICATIONS FOR AIR-ENTRAINED TYPE C-4 MIX WITH TYPE I CEMENT.

FLY ASH (CONTRACTOR'S OPTION): ASTM C618, TYPE C, NOT TO EXCEED 15% OF CEMENTITIOUS MATERIAL.

COARSE AGGREGATE: DURABILITY SHALL BE CLASS III, 3/4" MAX.

COMPRESSIVE STRENGTH: 2800 PSI @ 7 DAYS AND 4000 PSI @ 28 DAYS
SLUMP: 3" ± 1" or 8" MAXIMUM WITH SUPER PLASTICIZER OR AS APPROVED BY GEOTECHNICAL ENGINEER
AIR CONTENT: 7.0% ± 1.0% OR AS APPROVED BY GEOTECHNICAL ENGINEER
WATER/CEMENT RATIO: NOT TO EXCEED 0.53
FINISH: HEAVY BROOM FINISH

TESTING: ONE SET OF TEST CYLINDERS REQUIRED FOR EACH 100 CY, OR PORTION THEREOF, OF CONCRETE POURED PER WORK LOCATION. CONCRETE TESTING TO BE DONE AND PAID FOR BY OWNER. CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL REQUIRED TESTING AND GEOTECHNICAL WORK WITH CONSTRUCTION MANAGER.

SURFACE CURING: CONTRACTOR SHALL APPLY WHITE PIGMENT LIQUID CURING COMPOUND IN A FINE SPRAY TO FORM CONTINUOUS UNIFORM FILM AFTER FINISHING AND SURFACE MOISTURE HAS DISAPPEARED OR WITHIN 30 MINUTES AFTER FORMS ARE REMOVED.

SUBMIT CONCRETE MIX DESIGN FOR APPROVAL.

COLD WEATHER CONCRETE: WHEN THE ATMOSPHERIC AIR TEMPERATURE MAY BE EXPECTED TO DROP BELOW 40°F AT THE TIME CONCRETE IS DELIVERED TO THE WORK SITE, DURING PLACEMENT OR AT ANY TIME DURING CURING PERIOD, CONCRETE SHALL BE MIXED, PLACED AND PROTECTED IN ACCORDANCE WITH ACI STANDARD 306, "RECOMMENDED PRACTICE FOR COLD WEATHER CONCRETING." IT IS THE OWNER'S PREFERENCE TO AVOID COLD WEATHER CONCRETE AND PROVIDE TEMPORARY GRANULAR SURFACING FOR SIDEWALK AND PAVING AS REQUIRED.

B. EXPANSION JOINT FILLER
CLOSED CELL POLYETHYLENE WITH STRIP-OFF CAP FOR SEALANT.

C. JOINT SEALANT
PAVING JOINTS SHALL BE SEALED PER IOWA DOT SPECIFICATIONS. BACKER ROD SHALL NOT BE USED FOR JOINT SEALING.

D. PAVEMENT JOINTING
PROVIDE IDOT TYPE 'C' JOINTS FOR JOINTS IN PARKING LOT. PROVIDE JOINTS AT A MAXIMUM SPACING OF 12 FEET FOR PAVING OR SQUARE PANELS FOR SIDEWALKS.

PROVIDE IDOT TYPE 'RD' OR TYPE 'BT' JOINTS TO TIE INTO EXISTING PAVING.

PROVIDE IDOT TYPE 'DW' JOINTS FOR END OF DAY PAVING.

SAW CUTTING TO BE COMPLETED A MAXIMUM OF 24 HOURS FROM CONCRETE PLACEMENT. RANDOM CRACKING CAUSED BY DELAYED SAW CUTTING MAY REQUIRE REMOVAL AND REPLACEMENT.

CONTRACTOR TO PROVIDE OWNER'S REPRESENTATIVE WITH A POURING SEQUENCE AND JOINTING PLAN FOR APPROVAL PRIOR TO PAVING.

E. GRANULAR SUBBASE
CRUSHED STONE GRANULAR SUBBASE MATERIAL SHALL BE PROVIDED AND PLACED ACCORDING TO IOWA DOT SPECIFICATIONS.

F. TRENCH EXCAVATION AND BACKFILL
BEDDING AND BACKFILL MATERIAL: SHALL COMPLY WITH IOWA SUDAS SECTION 3010.

BACKFILL COMPACTION REQUIREMENTS:
1. AREAS UNDER AND WITHIN FIVE (5) FEET OF PAVEMENT, SIDEWALKS, GRANULAR SURFACING OR OTHER SURFACE IMPROVEMENTS SHALL BE COMPACTED TO 95% OF MAXIMUM STANDARD PROCTOR DENSITY.
2. AREAS UNDER LANDSCAPING AND LAWN AREAS SHALL BE COMPACTED TO 90% OF MAXIMUM STANDARD PROCTOR DENSITY. COMPACTION TESTING SHALL BE COMPLETED ON A FREQUENCY OF ONE TEST PER 100 LINEAR FEET AT APPROXIMATELY EVERY OTHER 6" LIFT OR AT ALTERNATIVE LOCATIONS AND FREQUENCIES AS RECOMMENDED BY TESTING AGENCY. COMPACTION TESTING TO BE DONE BY AN INDEPENDENT TESTING LABORATORY AND PAID FOR BY OWNER. CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL REQUIRED TESTING AND GEOTECHNICAL WORK WITH CONSTRUCTION MANAGER.

CONTRACTOR IS RESPONSIBLE FOR ALL DEWATERING, WHICH MAY BE REQUIRED INCIDENTAL TO THE PIPE INSTALLATION.

G. TOPSOIL
STRIP, STOCKPILE AND RESPREAD EXISTING TOPSOIL IN ALL AREAS TO BE SODDED. THE DEPTH OF TOPSOIL SHALL BE A MINIMUM OF 6" AFTER NATURAL SETTLEMENT AND SHALL CONFORM SMOOTHLY TO THE ADJACENT LINES, GRADES AND ELEVATIONS. PROVIDE ADDITIONAL TOPSOIL IF EXISTING TOPSOIL IS NOT PROPERLY HANDLED AND PROTECTED.

H. SITE RESTORATION
SODDING: ALL DISTURBED AREAS ON THE SITE NOT TO BE PAVED OR LANDSCAPED SHALL RECEIVE SOD.SOD MATERIALS AND INSTALLATION SHALL MEET SUDAS SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR PREPARING SOD, APPLYING SOD AND THE FIRST WEEK OF WATERING POST SOD PLACEMENT. OWNER WILL ASSUME RESPONSIBILITY OF WATERING AFTER ONE WEEK.

I. GEOTECHNICAL

CONTRACTOR SHALL REVIEW AND FOLLOW THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT FOR THE PROJECT.

1. IN AREAS UNDER AND WITHIN FIVE (5) FEET OF PROPOSED PAVING AND SIDEWALKS, THE CONTRACTOR SHALL REMOVE THE TOP 6 INCHES OF EXISTING FILL MATERIAL AND THEN SCARIFY, MOISTURE CONDITION AND COMPACT THE TOP 6 INCHES OF THE EXISTING FILL MATERIAL SUBGRADE PER THE REQUIREMENTS OF THIS SECTION. THE 6 INCHES OF EXISTING FILL MATERIAL THAT WAS REMOVED SHALL BE MOISTURE CONDITIONED AND PLACED IN 6-INCH COMPACTED LIFTS PER THE REQUIREMENTS OF THIS SECTION.

2. AFTER STRIPPING AND EXCAVATING TO THE PROPOSED SUBGRADE LEVEL, THE PROPOSED PAVEMENT AREAS SHALL BE PROOFROLLED WITH A LOADED TANDEM AXLE DUMP TRUCK OR SIMILAR HEAVY RUBBER TIRED VEHICLE.

3. FILL MATERIAL SHALL BE PLACED IN MAXIMUM COMPACTED LIFTS OF 3 INCHES FOR HAND COMPACTION EQUIPMENT AND 6 INCHES FOR RIDING COMPACTION EQUIPMENT. LEAN CLAY MATERIAL SHALL BE COMPACTED TO 95% OF MAXIMUM STANDARD PROCTOR DENSITY AND GRANULAR BASE MATERIAL SHALL BE COMPACTED TO 98% OF MAXIMUM STANDARD PROCTOR DENSITY.

4. COMPACTION TESTING OR PROOFROLLING SHALL BE COMPLETED ON A FREQUENCY OF ONE TEST PER 100 LINEAR FEET AT APPROXIMATELY EVERY OTHER 6" LIFT OR AT ALTERNATIVE LOCATIONS AND FREQUENCIES AS RECOMMENDED BY TESTING AGENCY. COMPACTION TESTING TO BE DONE BY AN INDEPENDENT TESTING LABORATORY AND PAID FOR BY OWNER. CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL REQUIRED TESTING AND GEOTECHNICAL WORK WITH CONSTRUCTION MANAGER.

J. SIDEWALK RAMPS
ALL SIDEWALK RAMPS SHALL BE INSTALLED ACCORDING TO THE SIDEWALK RAMP DETAILS IN THESE DRAWINGS AND IN FULL COMPLIANCE WITH PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY (ALSO KNOWN AS PROWAG) AND THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES.

CONTRACTOR IS RESPONSIBLE FOR ALL COMPLIANCE WITH CROSS SLOPE AND GRADE REQUIREMENTS FOR ALL EXISTING RAMPS WHICH ARE REQUIRED TO BE REMOVED AND REPLACED AS PART OF THE PROPOSED IMPROVEMENTS. ADJUSTMENTS TO EXISTING RAMPS SHOULD BE ANTICIPATED TO BRING ALL DISTURBED RAMPS INTO COMPLIANCE INCLUDING THE REMOVAL OF SOME ADDITIONAL PAVING TO ACCOMMODATE REQUIRED SIDEWALK GRADES. IF THE CONSTRUCTION CANNOT BE COMPLETED ACCORDING TO THE SPECIFIED LIMITS THE CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO CONCRETE PLACEMENT TO REVIEW PROPOSED ADJUSTMENTS.

DETECTABLE WARNINGS/TRUNCATED DOMES: USE MANUFACTURED DETECTABLE WARNING PANELS WITH A NON-SLIP SURFACE AND RAISED TRUNCATED DOMES MEETING PROWAG DIMENSION AND PLACEMENT REQUIREMENTS. DETECTABLE WARNING PANELS SHALL BE CAST IRON..

K. PAINT STRIPING AND GROOVING
STRIPE PARKING LOT PER IOWA DOT SPECIFICATIONS SECTION 2527. USE DURABLE PAINT PAVEMENT MARKINGS PER IOWA DOT SECTION 2527.02.D.2.C

PLACE ALL PAVEMENT MARKING IN A GROOVE IN A SINGLE PASS, USING STACKED DIAMOND CUTTING HEADS MOUNTED ON A FLOATING HEAD WITH CONTROLS CAPABLE OF PROVIDING UNIFORM DEPTH AND ALIGNMENT. IF DRY CUTTING, USE EQUIPMENT THAT IS SELF VACUUMING. USE THE EQUIPMENT ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS

GROOVE TO MEET IOWA DOT SPECIFICATIONS SECTION 2527.03.H

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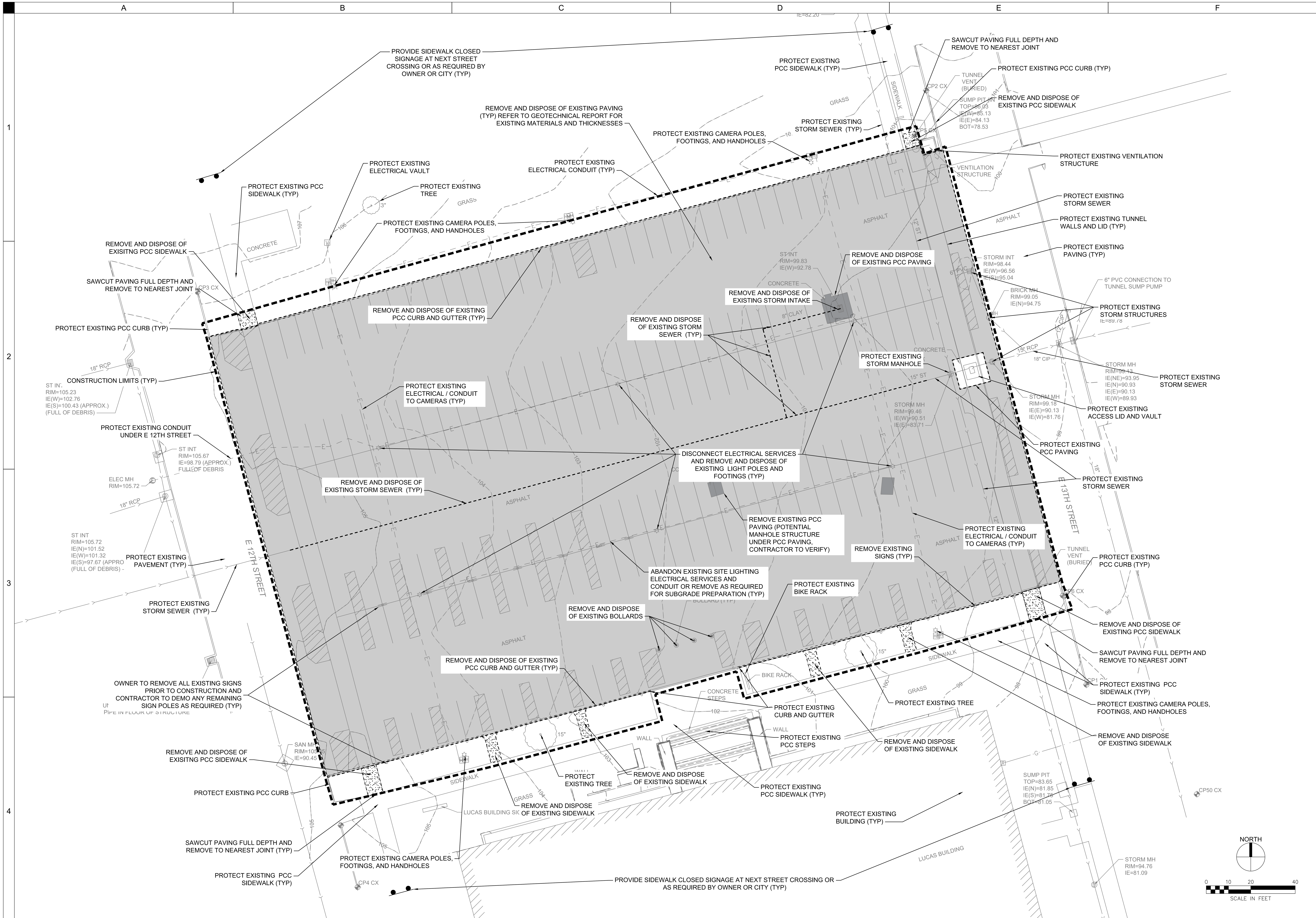
CAPITOL COMPLEX PARKING
LOT 15 REPLACEMENT

IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
9376.00
321 E 12TH STREET, DES MOINES, IA 50319

DRAWN BY	BDD
APPROVED BY	KAL
ISSUED FOR	CONSTRUCTION
ISSUE DATE	03/20/2024
PROJECT NUMBER	2142305820
FIELD BOOK	-

GENERAL NOTES

C001



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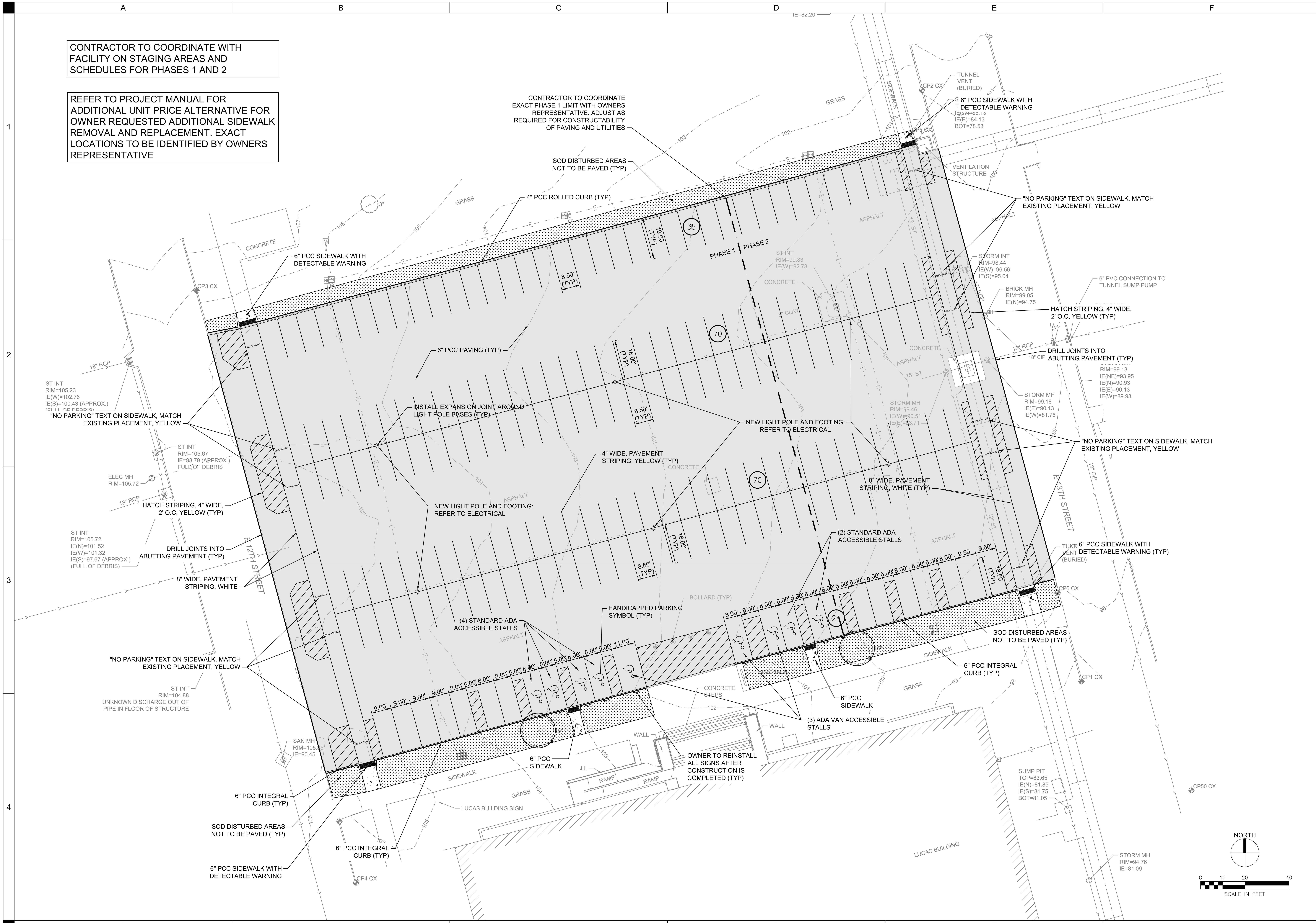
EXISTING CONDITIONS AND DEMOLITION PLAN

CD01



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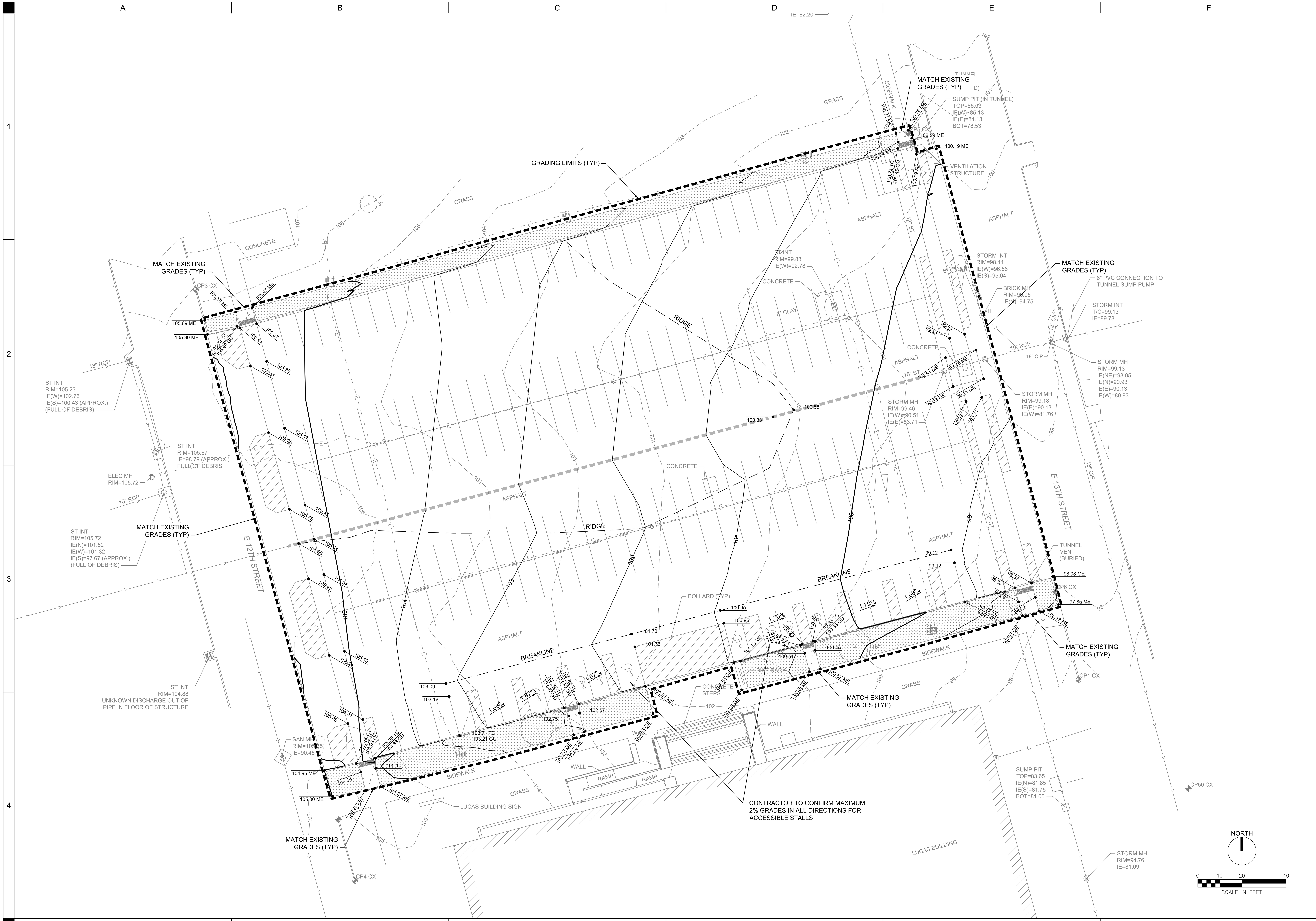
SITE PLAN

C101



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GRADING PLAN

C201

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EROSION CONTROL PLAN

C251

SUBDRAIN NOTES:
MIN. DEPTH: 3.5'
MAX. DEPTH: 5.0'
TARGET DEPTH: 4.0'

MIN. SLOPE: 0.5%

INSTALL SUBDRAIN AT SLOPE NECESSARY TO ACHIEVE DESIRED DEPTH. INSTALL INSERTA-TEE OR APPROVED EQUAL AT PIPE CONNECTIONS. INSTALL RISERS AT PIPE CONNECTIONS WHEN NECESSARY TO ACHIEVE DESIRED DEPTH.

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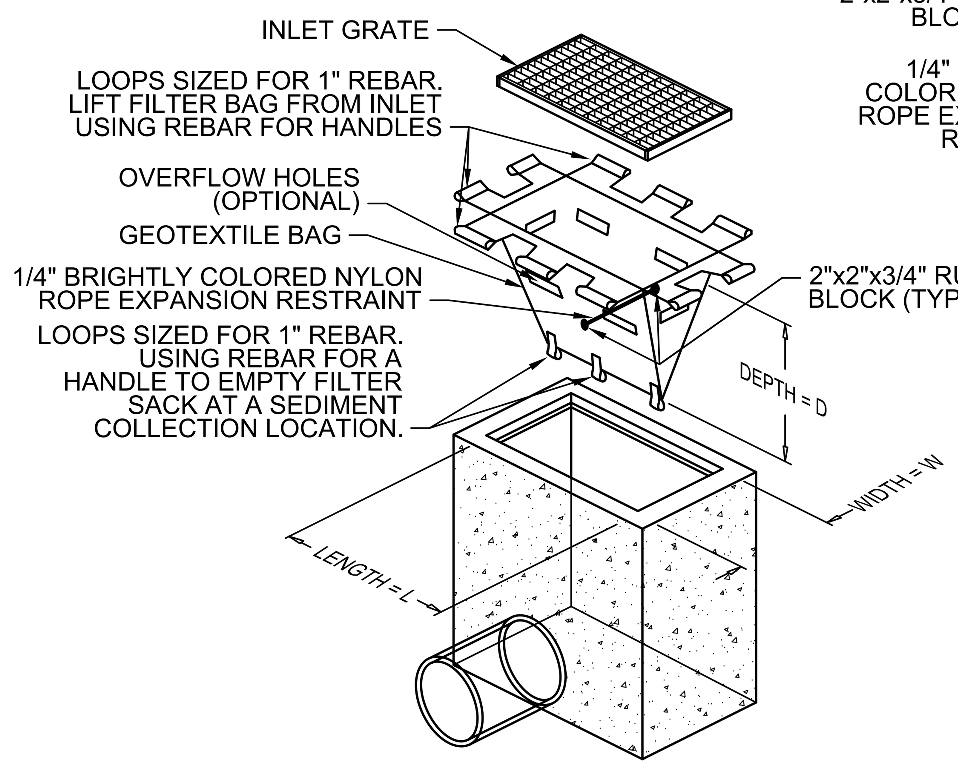
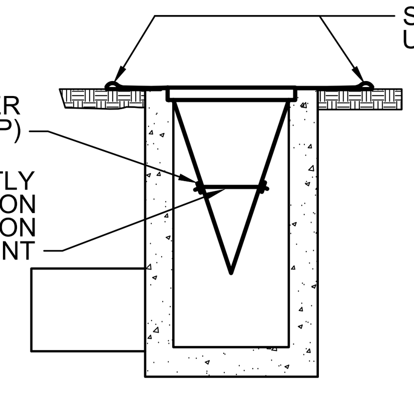
UTILITY PLAN

C301

A2 FILTER SACKS
NOT TO SCALE



ISOMETRIC VIEW
DO NOT USE ON ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS



ELEVATION VIEW
PROFILE VIEW OF INSTALLED FILTER SACK

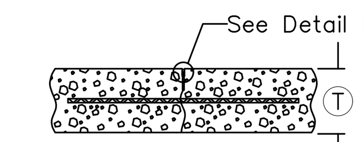
1. EMPTY FILTER SACK WHEN BRIGHTLY COLORED EXPANSION RESTRAINT CAN NO LONGER BE SEEN.
2. GEOTEXTILE WILL BE WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS.
3. AN OIL ADSORBENT PAD OR PILLOW CAN BE PURCHASED WHEN OILS SPILLS ARE A CONCERN.
4. INSPECT PER REGULARTORY REQUIREMENTS.
5. THE WIDTH, "W", OF THE FILTER SACK WILL MATCH THE INSIDE WIDTH OF THE GRATED INLET BOX.
6. THE DEPTH, "D", OF THE FILTER SACK WILL BE BETWEEN 18 INCHES AND 36 INCHES.
7. THE LENGTH, "L", OF THE FILTER SACK WILL MATCH THE INSIDE LENGTH OF THE GRATED INLET BOX.

LOW TO MODERATE FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	300 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20%
PUNCTURE	ASTM D-4833	120 LBS
MULLEN BURST	ASTM D-3786	800 PSI
TRAPEZOID TEAR	ASTM D-4533	120 LBS
UV RESISTANCE	ASTM D-4355	80%
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE
FLOW RATE	ASTM D-4491	40 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	0.55 SEC -1

MODERATE TO HIGH FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	265 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20%
PUNCTURE	ASTM D-4833	135 LBS
MULLEN BURST	ASTM D-3786	8420 PSI
TRAPEZOID TEAR	ASTM D-4533	45 LBS
UV RESISTANCE	ASTM D-4355	90%
APPARENT OPENING SIZE	ASTM D-4751	20 US SIEVE
FLOW RATE	ASTM D-4491	200 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	1.5 SEC -1

FILTER SACKS (GRATED INLETS)

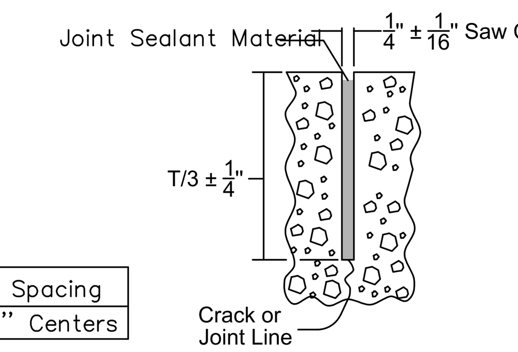
D2 JOINTING DETAILS
NOT TO SCALE



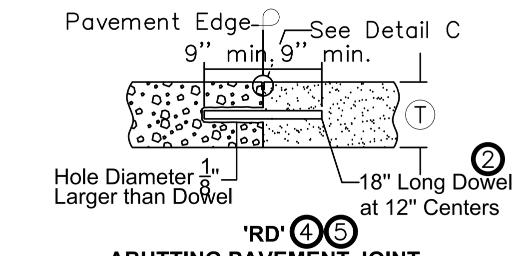
'L'
CONTRACTION JOINT

Joint	Bars	Bar Length and Spacing
'L-1'	#4	36" Long at 30" Centers

LEGEND
- Existing Pavement
- Proposed Pavement

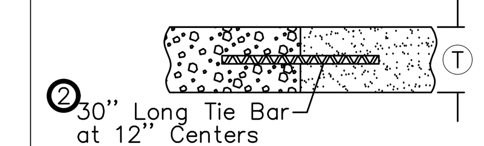


DETAIL D-2

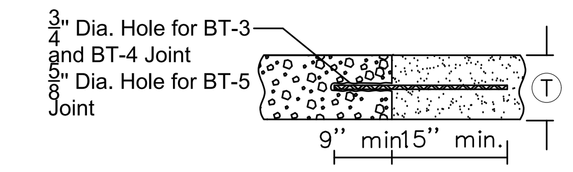


'RD' 4 5
ABUTTING PAVEMENT JOINT

'RD' & 'DW' BAR SIZE TABLE		
T	Dowel Diameter	Tie Bar Size
< 8"	3/4"	#6

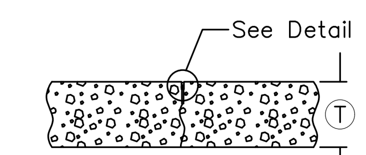


'DW' 3 4
DAY'S WORK JOINT (Non-working)

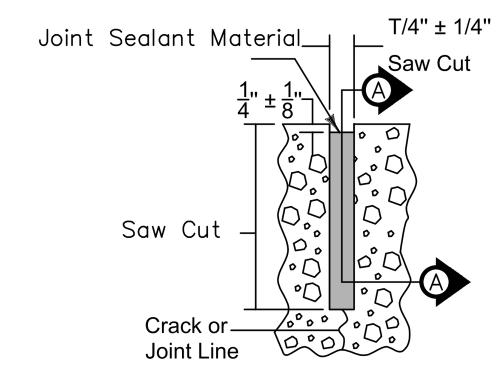


'BT'
ABUTTING PAVEMENT JOINT - RIGID TIE (Drilled)

Joint	Bars	Bar Length and Spacing
'BT-5'	#4	24" Long at 30" Centers

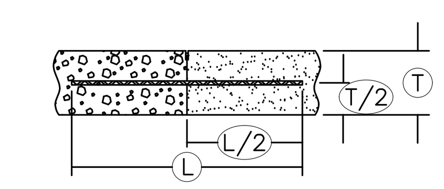


' DETAIL C'
CONTRACTION JOINT



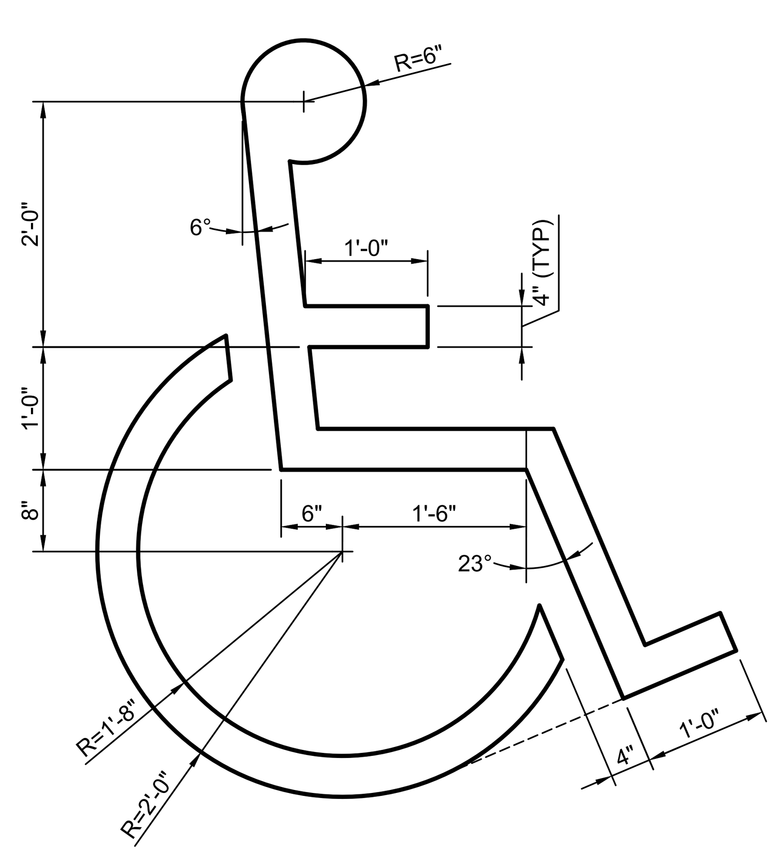
DETAIL A
(Saw cut formed by conventional concrete sawing equipment.)

1. See dowel assemblies for fabrication details.
2. See Bar Size Table.
3. Locate 'DW' joint at a mid-panel location between future 'C' joints. Place no closer than 5 feet to a 'C' joint.
4. Place bars within the limits shown under dowel assemblies.
5. Edge with 1/8 inch tool for length of joint.



TIE BAR PLACEMENT
(Applies to all joints unless otherwise detailed.)

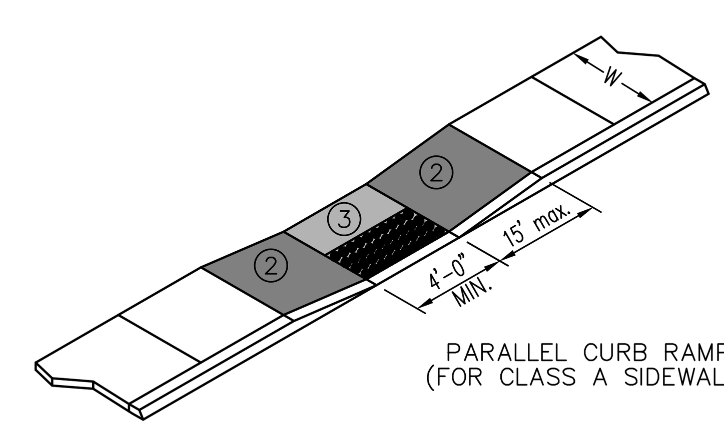
A4 ADA PARKING SYMBOL
NTS



NOTE: SYMBOL TO BE CENTERED IN PARKING SPACE AND ORIENTED AS ILLUSTRATED ON PLANS.

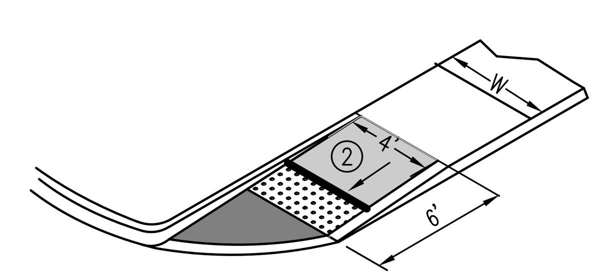
C4 SIDEWALK RAMPS
NOT TO SCALE

1. PERPENDICULAR CURB RAMP: TARGET RUNNING SLOPE OF 6.25% WITH MAXIMUM RUNNING SLOPE OF 8.3%. MATCH PEDESTRIAN STREET CROSSING CROSS SLOPE AT BACK OF CURB. AT MID-BLOCK CROSSINGS, CROSS SLOPE MAY EXCEED 2.0% TO MATCH ROADWAY GRADE.
2. PARALLEL CURB RAMP: TARGET CROSS SLOPE OF 1.5% WITH A MAXIMUM CROSS SLOPE OF 2.0%. THE LENGTH OF THE PARALLEL RAMP IS NOT REQUIRED TO EXCEED 15 FEET, REGARDLESS OF THE RESULTING SLOPE. DO NOT EXCEED 8.3% SLOPE FOR PARALLEL RAMPS SHORTER THAN 15 FEET.
3. TURNING SPACE: TARGET SLOPE OF 1.5%, WITH A MAXIMUM SLOPE PERPENDICULAR TO THE TRAVEL DIRECTIONS OF 2.0%. AT MID-BLOCK CROSSINGS, CROSS SLOPE OF LANDING MAY EXCEED 2.0% TO MATCH ROADWAY GRADE. MINIMUM 4 FEET BY 4 FEET.
4. FLARE (10:1 MAX) REQUIRED IF RAMP IS CONTIGUOUS WITH SIDEWALK.

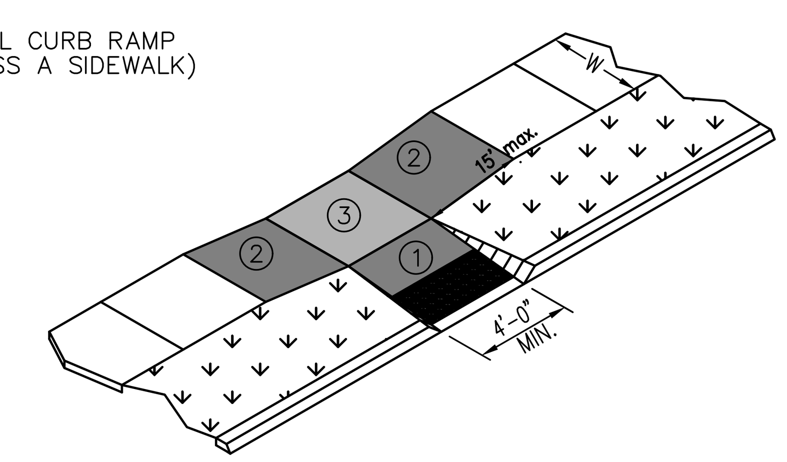


PARALLEL CURB RAMP (FOR CLASS A SIDEWALK)

- CURB RAMP
- TURNING SPACE
- DETECTABLE WARNING

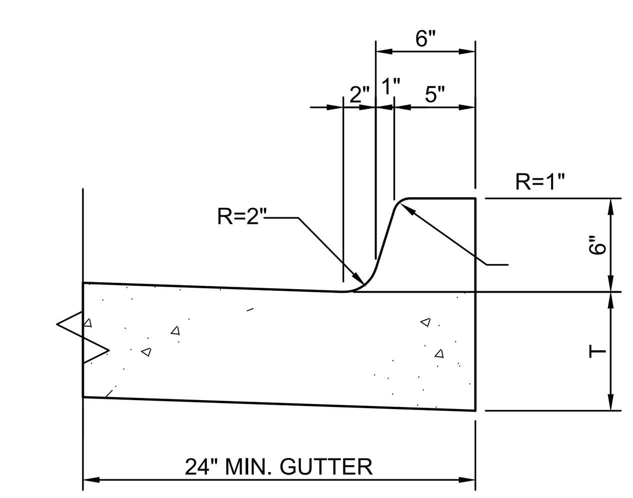


RAMP AT DRIVE ENTRANCE



PERPENDICULAR AND PARALLEL CURB RAMP (FOR CLASS B OR CLASS C SIDEWALK)

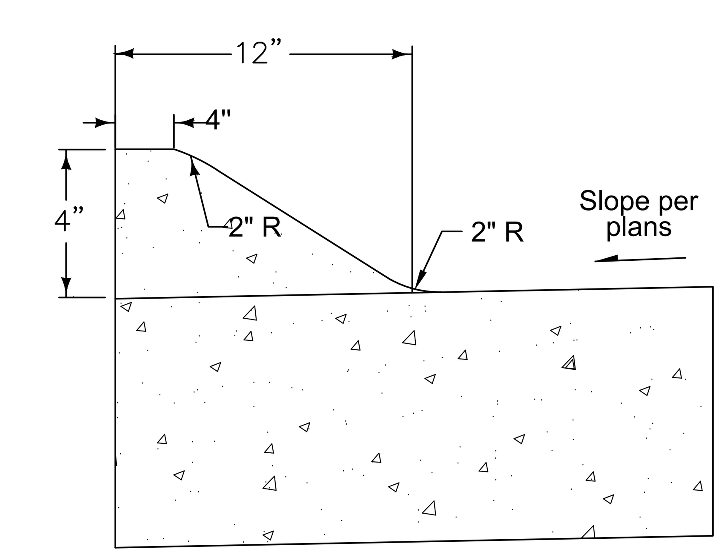
E3 PCC INTEGRAL CURB
NOT TO SCALE



T = THICKNESS OF PAVEMENT

NOTE: CURB MAY BE POURED INTEGRALLY WITH PAVEMENT IN PLACE OF CURB AND GUTTER SECTION.

E4 4" PCC ROLLED CURB
NOT TO SCALE



4" SLOPED CURB

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CAPITOL COMPLEX PARKING LOT 15 REPLACEMENT
IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
9376.00
321 E 12TH STREET, DES MOINES, IA 50319

DRAWN BY	BDD
APPROVED BY	KAL
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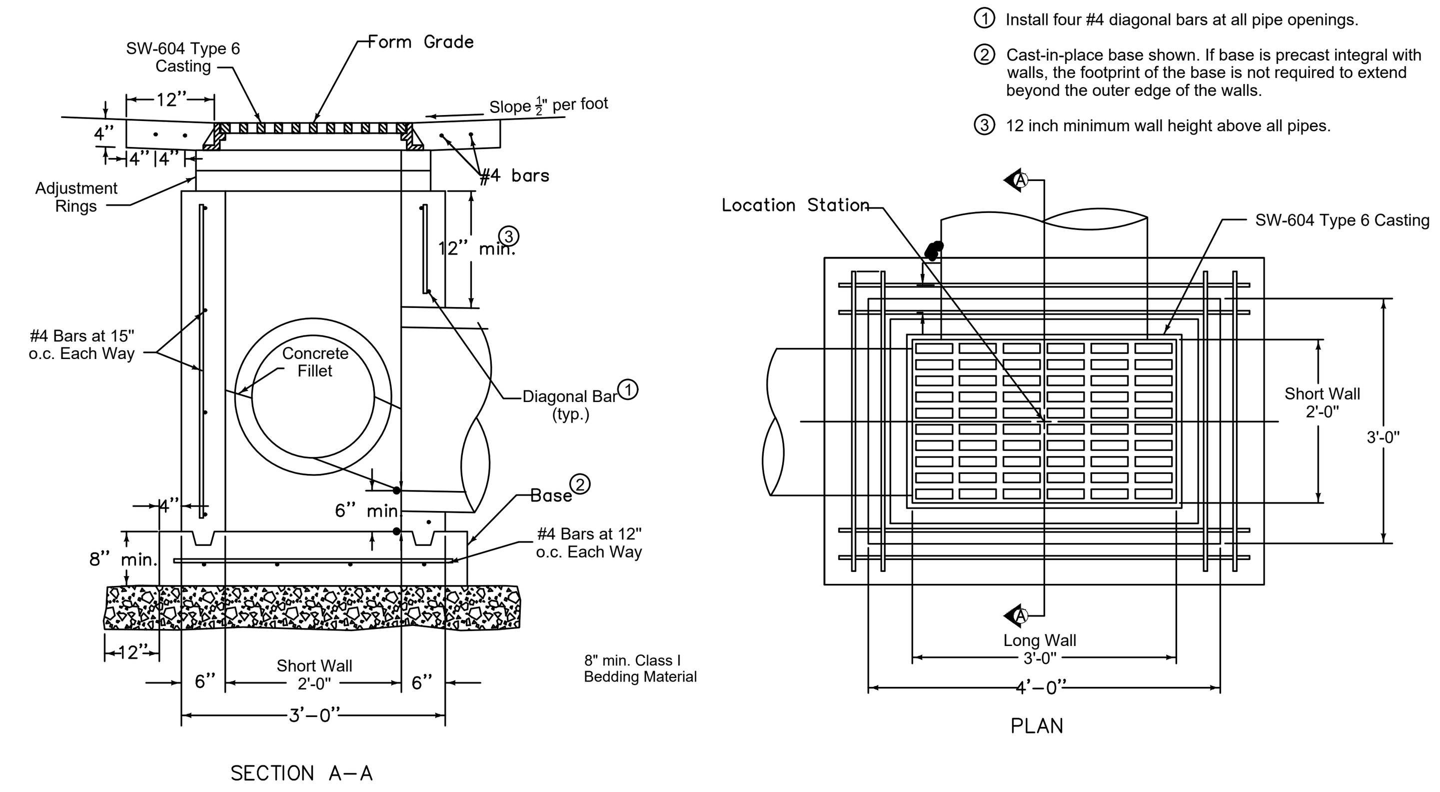
CONSTRUCTION DETAILS

C501



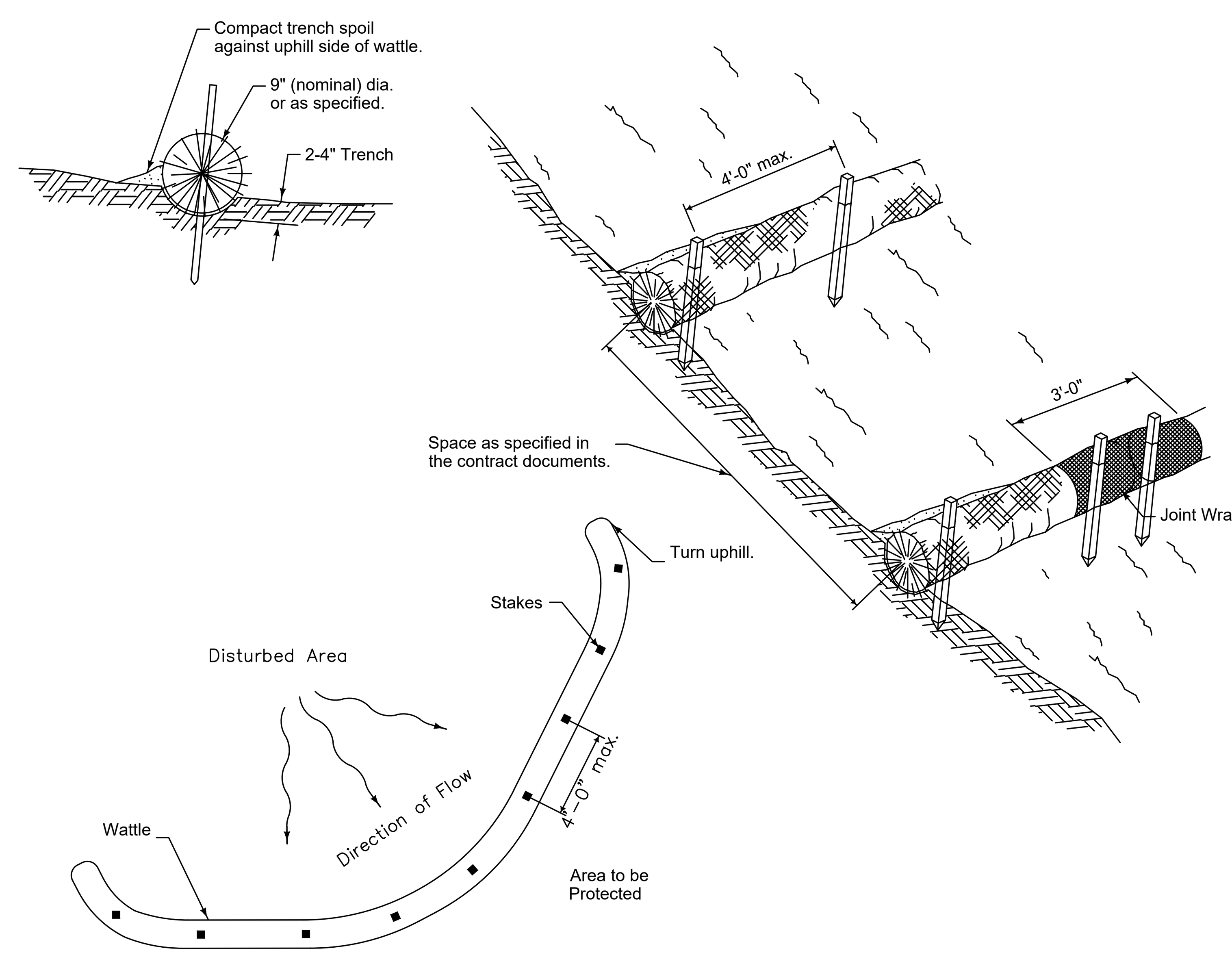
① Install four #4 diagonal bars at all pipe openings.

② Cast-in-place base shown. If base is precast integral with walls, the footprint of the base is not required to extend beyond the outer edge of the walls.

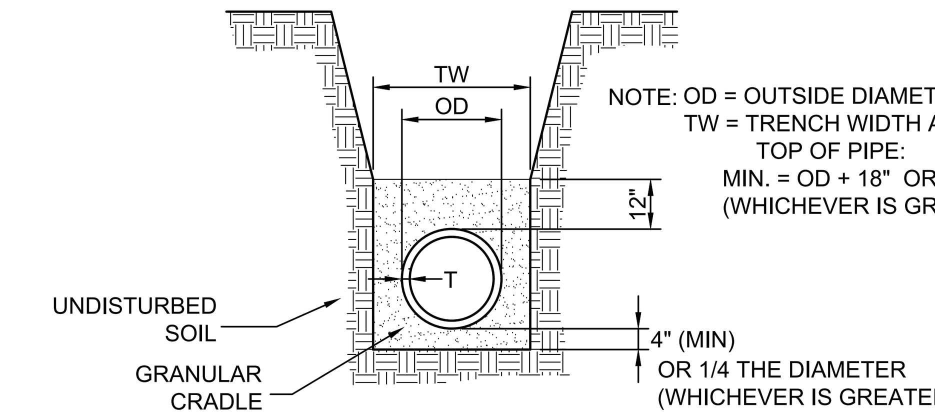
③ 12 inch minimum wall height above all pipes.

MAXIMUM PIPE DIAMETERS		
Pipe Location	Precast Structure	Cast-in-place Structure
Short Wall	15"	18"
Long Wall	24"	30"

A2 SW-511 INTAKE
NOT TO SCALE



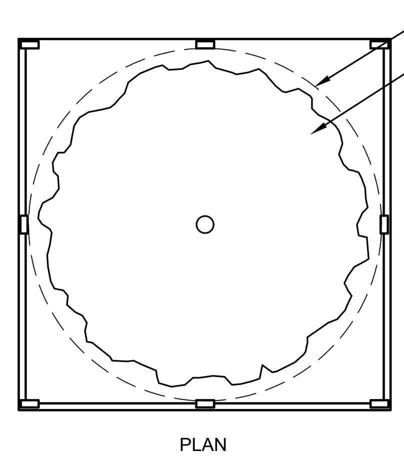
C2 WATTLE
NOT TO SCALE



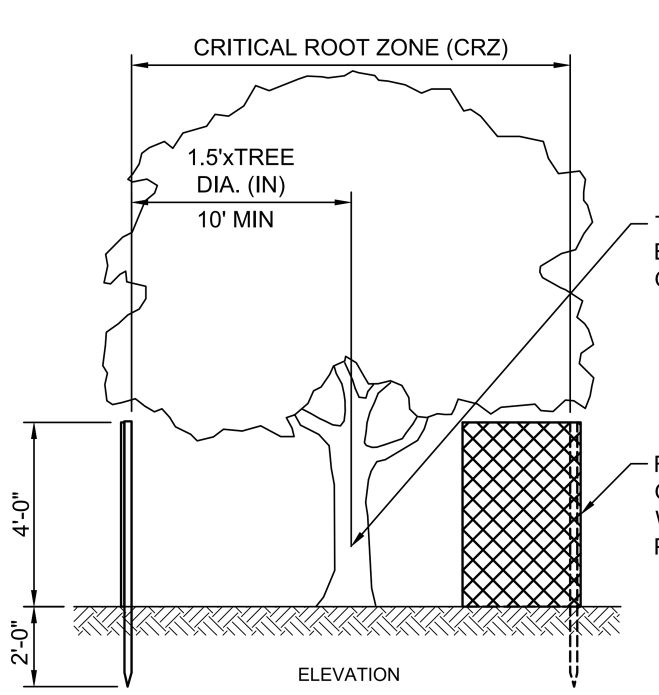
NOTE: OD = OUTSIDE DIAMETER OF PIPE
TW = TRENCH WIDTH AT 12" ABOVE TOP OF PIPE:
MIN. = OD + 18" OR 1.25 x OD + 12"
(WHICHEVER IS GREATER)

SUBGRADE SHOULD BE EXCAVATED OR OVER EXCAVATED, IF NECESSARY, SO A UNIFORM FOUNDATION FREE OF PROTRUDING ROCKS MAY BE PROVIDED.

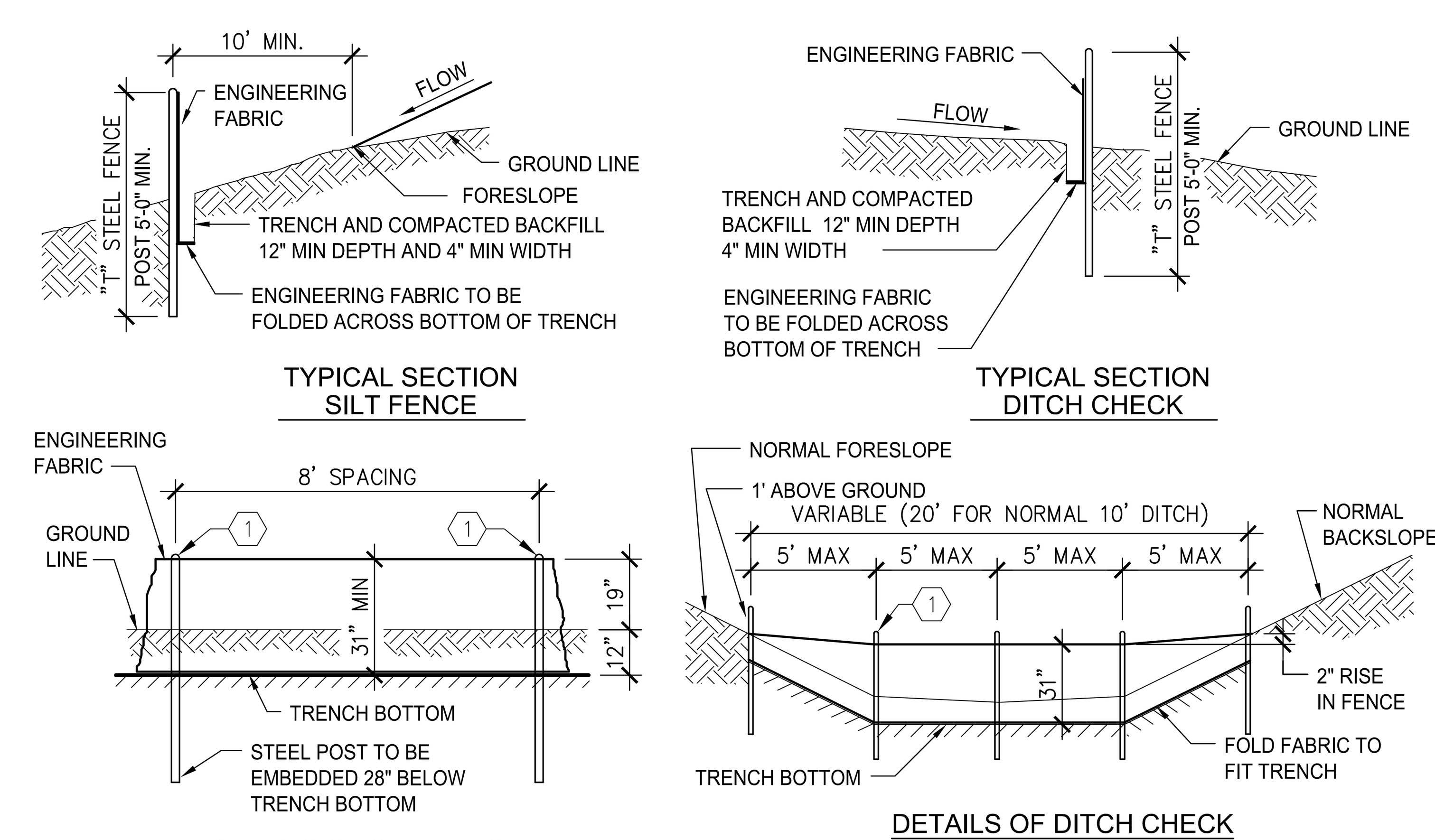
A4 FLEXIBLE PIPE BEDDING
NTS

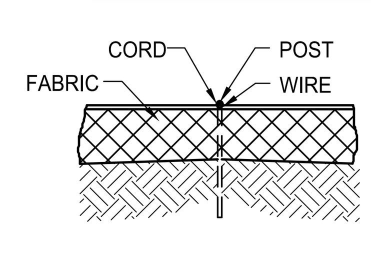


NOTE:
1. TYPICAL ALL TREES INSIDE OR DIRECTLY ADJACENT TO WORK AREA.
2. FENCE LOCATION TO BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
3. THE SOIL WITHIN THE CRZ SHALL NOT BE DISTURBED IN ANY MANNER DURING CONSTRUCTION. NO EQUIPMENT, MATERIALS, SUPPLIES, AND/OR SALVAGE SHALL BE STORED OR PLACED WITHIN THE ZONE. NO VEHICULAR OR EQUIPMENT TRAFFIC SHALL BE PERMITTED WITHIN THE CRZ. NO FILLING OR CURING OF EXISTING SOILS SHALL BE PERMITTED WITHIN THE CRZ. THE OWNER'S REPRESENTATIVE AND/OR LANDSCAPE SERVICES MUST APPROVE ANY DEVIATION FROM THE STANDARD.

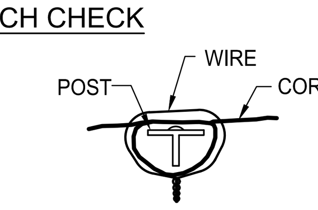


A4 TREE PROTECTION
NOT TO SCALE





NOTES:
1. SECURE TOP OF ENGINEERING FABRIC TO STEEL POST.
2. ENGINEERING FABRIC TO BE PLACED TO BOTTOM OF TRENCH.
3. ENGINEERING FABRIC SHALL HAVE A MINIMUM 36" WIDTH.



NOTE: TWIST CORD AND PLACE AROUND POST, SECURE WITH WIRE.

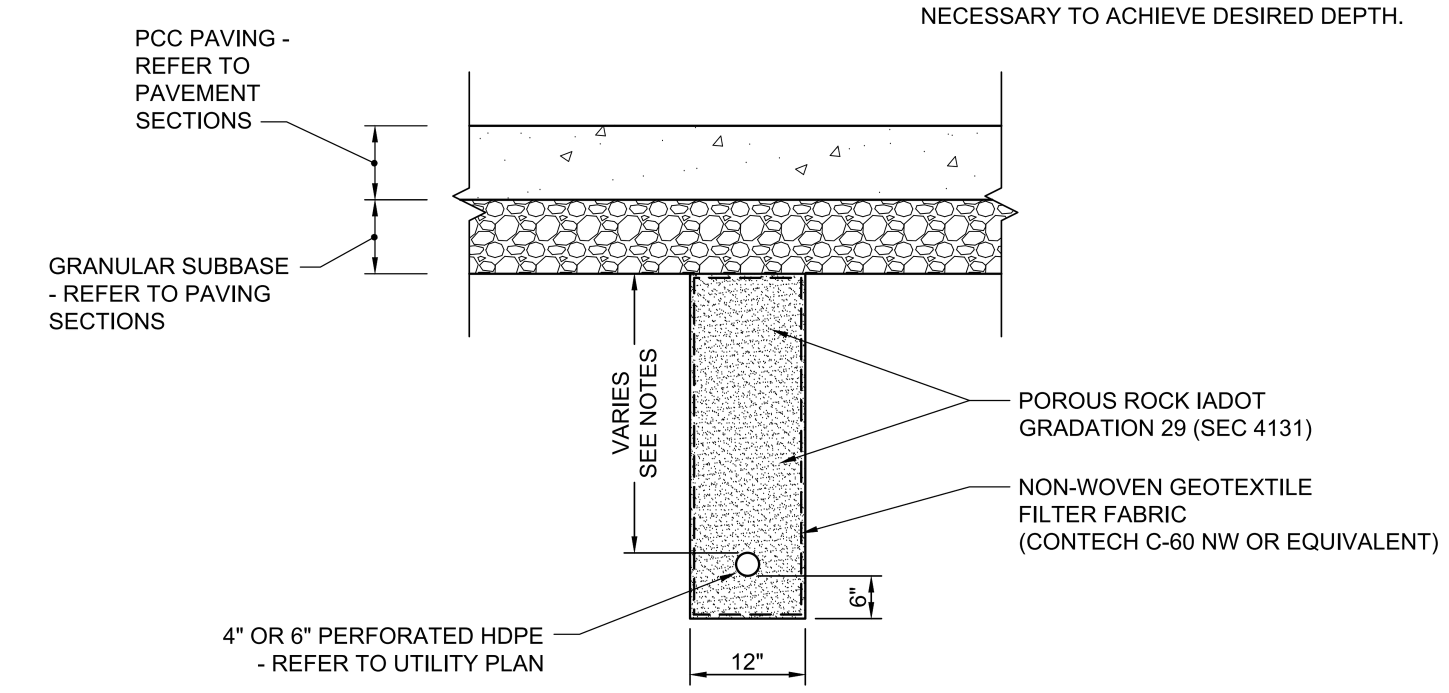
POST TOP VIEW

C4 SILT FENCE
NOT TO SCALE

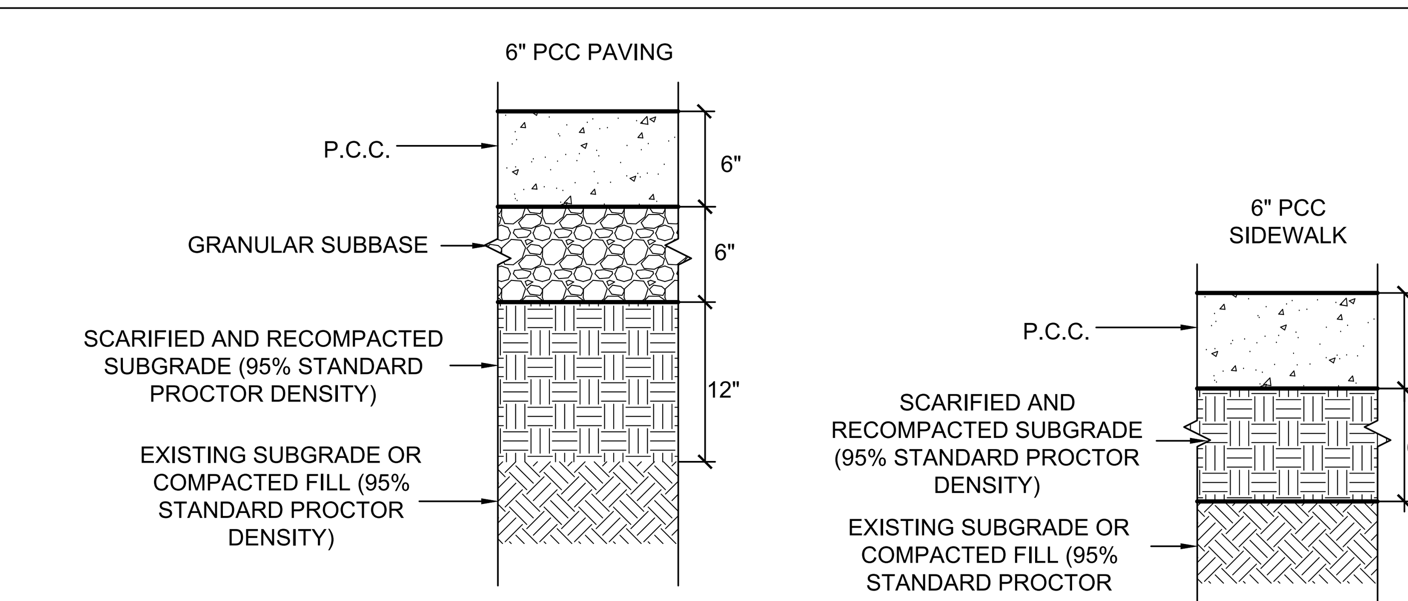
SUBDRAIN NOTES:
MIN. DEPTH: 3.5'
MAX. DEPTH: 5.0'
TARGET DEPTH: 4.0'

MIN. SLOPE: 0.5%

INSTALL SUBDRAIN AT SLOPE NECESSARY TO ACHIEVE DESIRED DEPTH. INSTALL INSERTA-TEE OR APPROVED EQUAL AT PIPE CONNECTIONS. INSTALL RISERS AT PIPE CONNECTIONS WHEN NECESSARY TO ACHIEVE DESIRED DEPTH.



E3 PAVING SUBDRAIN



E4 PAVEMENT CROSS-SECTION
NOT TO SCALE

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CONSTRUCTION DETAILS

C502

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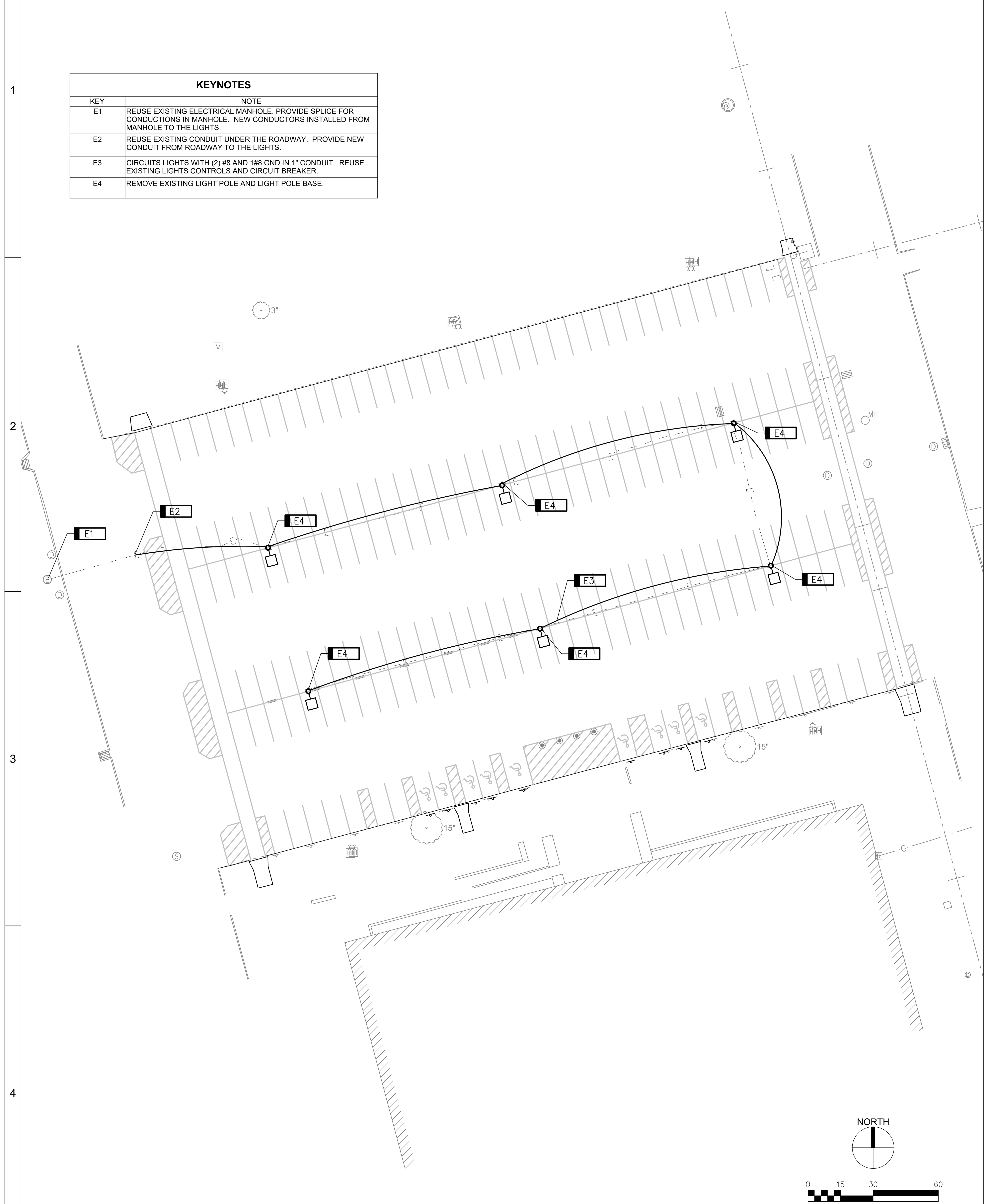
KEYNOTES

KEY	NOTE
E1	REUSE EXISTING ELECTRICAL MANHOLE. PROVIDE SPLICE FOR CONDUCTIONS IN MANHOLE. NEW CONDUCTORS INSTALLED FROM MANHOLE TO THE LIGHTS.
E2	REUSE EXISTING CONDUIT UNDER THE ROADWAY. PROVIDE NEW CONDUIT FROM ROADWAY TO THE LIGHTS.
E3	CIRCUITS LIGHTS WITH (2) #8 AND 1#8 GND IN 1" CONDUIT. REUSE EXISTING LIGHTS CONTROLS AND CIRCUIT BREAKER.
E4	REMOVE EXISTING LIGHT POLE AND LIGHT POLE BASE.



LIGHTING FIXTURE SCHEDULE - BASE BID

CATALOG NUMBER SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. THE DESCRIPTION AND THE SPECIFICATIONS SHALL BE COORDINATED WITH THE CATALOG NUMBER TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE FIRST MANUFACTURER LISTED IS THE BASIS FOR DESIGN. ALL LAMPS/LIGHT SOURCES FOR THIS PROJECT SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR UNLESS OTHERWISE NOTED. ALL LIGHT FIXTURES SHALL BE PROVIDED WITH INTEGRAL DISCONNECT(S) FACTORY INSTALLED IN ACCORDANCE WITH NEC. REFER TO SPECIFICATIONS FOR SHOP DRAWING SUBMITTAL REQUIREMENTS AND ADDITIONAL INFORMATION.

MOUNTING STYLES (MTG): RE-A = RECESSED (ACT), RE-G = RECESSED (GYP), RE-W = RECESSED (WALL), CL = CEILING SURFACE, PW = PERIMETER WALL, SP = SUSPENDED (AIR-CRAFT CABLE), ST = STEM, WL = WALL, WL-H = WALL HORIZONTAL, WL-V = WALL VERTICAL, UNV = UNIVERSAL, POLE = POLE, UC = UNDER CABINET, TR = TRACK, GND = GROUND

LED DRIVER TYPES: STND = STANDARD DRIVER, DIM10 = 0-10V 10% DIMMING, DIM1 = 0-10V 1% DIMMING, DIMD = 0-10V DIM TO DARK, STEP = STEP DIMMING, NOND = NON-DIMMING, DALI = DIGITAL ADDRESSABLE LIGHTING INTERFACE, DMX = DIGITAL MULTIPLEX, LUTR = LUTRON HI-LUME, POE = POWER OVER ETHERNET, SDIM = STEP DIMMING

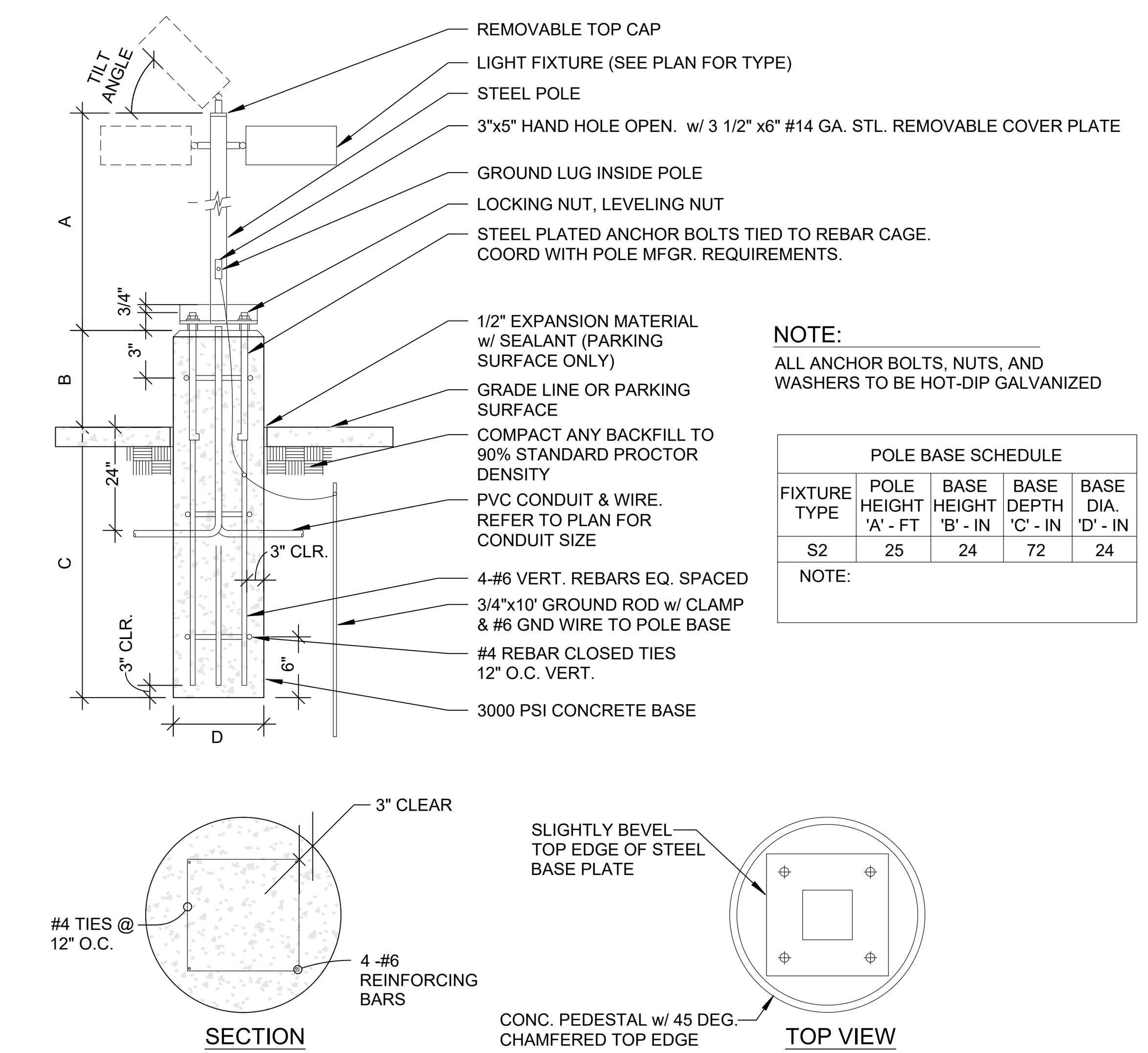
GENERAL NOTES:

A. WHERE "OR APPROVED EQUIVALENT" IS LISTED IN THE MANUFACTURER COLUMN, FIXTURES MUST BE SUBMITTED AS A SUBSTITUTION FOR APPROVAL PRIOR TO BID SUBMISSION.
B. LISTED LUMENS ARE DELIVERED LUMENS. PROVIDE FIXTURE WITHIN +/- 5% OF LISTED LUMENS.
C. LIGHTING PRODUCTS SHALL BE PROVIDED THROUGH THE AUTHORIZED LIGHTING MANUFACTURER'S REPRESENTATIVE RESIDING WITHIN PROJECT LOCATION.
D. SUBMITTALS SHALL BE PRODUCED AND SUBMITTED BY LOCAL AUTHORIZED LIGHTING MANUFACTURER'S REPRESENTATIVE. LETTERHEAD SHALL CONTAIN REPRESENTATIVES' CONTACT INFORMATION, PROJECT NAME, AND PROJECT LOCATION.

SCHEDULE NOTES:

1. ***

TYPE	DESCRIPTION	LENS-LOUVER	MTG	LIGHTING OUTPUT/CCT	DRIVER	VOLT	WATT	BASIS OF DESIGN	APPROVED EQUIVALENT	NOTES
S1	SINGLE HEAD POLE FIXTURE, DIE-CAST ALUMINUM HOUSING, DIRECT ARM MOUNT TYPE V MEDIUM DISTRIBUTION, BACKLIGHT CONTROL SHIELD WITH INTEGRAL SURGE SUPRESSION, 25' HIGH 4" SQUARE STRAIGHT STEEL POLE WITH VIBRATION DAMPER	PRECISION-MOLDED SILICONE LENS	POLE	LED, 6000 LUMENS, 4000K	NOND	120 /277V	97 W	CREE OSQ	LITHONIA, BEACON, DECO LIGHTING, EATON, PHILIPS, OR APPROVED EQUIVALENT	



NOTE:

ALL ANCHOR BOLTS, NUTS, AND WASHERS TO BE HOT-DIP GALVANIZED

POLE BASE SCHEDULE				
FIXTURE TYPE	POLE HEIGHT 'A' - FT	BASE HEIGHT 'B' - IN	BASE DEPTH 'C' - IN	BASE DIA. 'D' - IN
S2	25	24	72	24
NOTE:				

F1 DETAIL LIGHT FIXTURE POLE MOUNTING DETAIL
NOT TO SCALE

ELECTRICAL GENERAL NOTES

1. ALL WORK SHALL BE IN CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE - LATEST EDITION ADOPTED BY THE STATE, THE STATE AMENDMENTS, LOCAL/MUNICIPAL CODES AND ORDINANCES, AND THE AUTHORITY HAVING JURISDICTION. THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE ADAAG (AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES).
2. IT IS THE INTENT OF THESE DOCUMENTS TO COMPLY WITH THE APPLICABLE CODES. WHERE DISCREPANCIES OCCUR, NOTIFY THE ENGINEER/ARCHITECT IN WRITING FOR INTERPRETATION. CORRECT ANY INSTALLATION THAT FAILS TO COMPLY WITH THE CODES AND STANDARDS AT NO ADDITIONAL COST TO THE OWNER.
3. CONTRACTOR SHALL PROVIDE ALL WORK NECESSARY INCLUDING ALL LABOR, MATERIALS, PERMITS, TAXES, FEES, INSPECTIONS, HARDWARE, AND COST FOR INSTALLATION FOR A COMPLETE AND OPERATIONAL SYSTEM.
4. ALL MATERIALS FURNISHED BY THE CONTRACTOR SHALL BE NEW, COMPLETE WITH MANUFACTURER ' S GUARANTEE OR WARRANTY AND SHALL BE LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL).
5. COORDINATE ELECTRICAL INSTALLATION WITH ALL TRADES PRIOR TO INSTALLATION. IF ELECTRICAL WORK INSTALLED INTERFERES WITH OTHER TRADES AFTER INSTALLATION, THE CONTRACTOR SHALL MAKE ALL NECESSARY CHANGES TO CORRECT THE CONDITION AT NO ADDITIONAL COST TO THE OWNER.
6. NO ENERGIZED CONDUCTORS SHALL BE EXPOSED AT ANYTIME EXCEPT WHEN THE IMMEDIATE AREA IS UNDER THE SUPERVISION OF A QUALIFIED ELECTRICIAN.
7. CONTRACTOR SHALL KEEP THE WORK AREA CLEAN OF ALL DEBRIS ON A DAILY BASIS. ALL NEW MATERIALS AWAITING INSTALLATION SHALL BE KEPT IN AREAS DESIGNATED BY THE OWNER.
8. THESE DRAWINGS SHALL NOT BE SCALED TO OBTAIN DIMENSIONS. REFER TO DIMENSIONED CIVIL PLANS. IF THE DIMENSIONS CANNOT BE DETERMINED BY THE INFORMATION GIVEN, CONTRACTOR SHALL CONTACT THE ENGINEER FOR ADDITIONAL INFORMATION.
9. PERIODIC SITE OBSERVATION BY THE ENGINEER IS SOLELY FOR THE PURPOSE OF DETERMINING IF THE WORK OF THE CONTRACTOR IS PROCEEDING IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THIS LIMITED SITE OBSERVATION SHOULD NOT BE CONSTRUED AS EXHAUSTIVE OR CONTINUOUS TO CHECK THE QUALITY OR QUANTITY OF THE WORK, BUT RATHER PERIODIC IN AN EFFORT TO GUARD THE OWNER AGAINST DEFECTS OR DEFICIENCIES IN THE WORK OF THE CONTRACTOR.
10. THE INFORMATION CONTAINED ON THE ELECTRICAL DRAWINGS IS IN ITSELF INCOMPLETE AND VOID UNLESS USED IN CONJUNCTION WITH ALL OTHER DISCIPLINE DRAWINGS, THE SPECIFICATIONS, TRADE PRACTICES, OR APPLICABLE STANDARDS, CODES, ETC., AND SHALL BE CONSIDERED THE CONTRACT DOCUMENTS AND WITH ALL THEREIN BY REFERENCE, WHICH THE CONTRACTOR CERTIFIES KNOWLEDGE OF BY SIGNING THE CONTRACT.
11. CONTRACTOR IS TO ASSUME FULL RESPONSIBILITY, UNRELIEVED BY REVIEW OF SHOP DRAWINGS OR PERIODIC OBSERVATION OF CONSTRUCTION, FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS, FOR DIMENSIONS TO BE CONFIRMED AND CORRELATED ON THE JOB SITE AND BETWEEN INDIVIDUAL DRAWINGS OR SETS OF DRAWINGS FOR FABRICATION PROCESSES AND CONSTRUCTION TECHNIQUES (INCLUDING EXCAVATION, SHORING, SCAFFOLDING, BRACING, ERECTION, FORM WORK, ETC.), FOR COORDINATION OF THE VARIOUS TRADES, AND FOR SAFE CONDITIONS ON THE JOB SITE. VARIATIONS IN FIELD CONDITIONS RELATIVE TO THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE ENGINEER AS SOON AS THEY ARE FOUND. WORK SHALL NOT PROGRESS UNTIL WRITTEN PERMISSION FROM THE ENGINEER IS OBTAINED.

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CAPITOL COMPLEX PARKING
LOT 15 REPLACEMENT

IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
9376.00
321 E 12TH STREET, DES MOINES, IA 50319

DRAWN BY	KJB
APPROVED BY	KJB
ISSUED FOR	CONSTRUCTION
ISSUE DATE	03/20/2024
PROJECT NUMBER	2142305620
FIELD BOOK	--

ELECTRICAL
SITE PLAN

E101