EART MO ING

1 PRO ECT CONDITIONS
A TILIT LOCATOR SER ICE NOTIF TILIT LOCATOR SER ICE FOR AREA ERE PRO ECT IS LOCATED EFORE EGINNING EART MO ING OPERATIONS
DO NOT COMMENCE EART MO ING OPERATIONS NTIL TEMPORAR EROSION AND SEDIMENTATION CONTROL MEAS RES, ARE IN PLACE
C DO NOT COMMENCE EART MO ING OPERATIONS NTIL PLANT PROTECTION MEAS RES ARE IN PLACE
D DO NOT COMMENCE EART MO ING OPERATIONS IT O T RE IE ING AND MAKING PRO ISIONS FOR ALL GEOTEC NICAL RECOMMENDATIONS MADE IN T E PRO ECT GEOTEC NICAL REPORT COMPL IT RECOMMENDATIONS IN T E GEOTEC NICAL REPORT REGARDING GENERAL SITE PREPARATION, ILDING PAD PREPARATION, PA EMENT SECTIONS, FILL, AND E CA ATION
E RETAIN A COP OF T E PRO ECT GEOTEC NICAL REPORT AT T E ORK SITE AT ALL TIMES AN DISCREPANCIES ET EEN T ESE SPECIFICATIONS AND T E PRO ECT GEOTEC NICAL REPORT S ALL E RESOL ED IN FA OR OF T E PRO ECT GEOTEC NICAL REPORT
F PROTECT STR CT RES, TILITIES, SIDE ALKS, PA EMENTS, AND OT ER FACILITIES FROM DAMAGE CA SED SETTLEMENT, LATERAL MO EMENT, NDERMINING, AS O T, AND OT ER A ARDS CREATED EART MO ING OPERATIONS
G PROTECT AND MAINTAIN EROSION AND SEDIMENTATION CONTROLS D RING EART MO ING OPERATIONS
DE ATERING
A PRE ENT S RFACE ATER AND GRO ND ATER FROM ENTERING E CA ATIONS, FROM PONDING ON PREPARED S GRADES, AND FROM FLOODING PRO ECT SITE AND S RRO NDING AREA PROTECT S GRADES FROM SOFTENING, NDERMINING, AS O T, AND DAMAGE RAIN OR ATER ACC M LATION
C DESIGN AND PRO IDE DE ATERING S STEM SING ACCEPTED AND PROFESSIONAL MET ODS CONSISTENT IT C RRENT IND STR PRACTICE PRO IDE DE ATERING S STEM OF S FFICIENT SI E AND CAPACIT TO CONTROL GRO ND ATER IN A MANNER T AT PRESER ES STRENGT OF FO NDATION SOILS, DOES NOT CA SE INSTA ILIT OR RA ELING OF E CA ATION SLOPES, AND DOES NOT RES LT IN DAMAGE TO E ISTING STR CT RES LO ER ATER LE EL IN AD ANCE OF E CA ATION TILI ING ELLS, ELLPOINTS, OR SIMILAR POSITI E CONTROL MET ODS MAINTAIN T E GRO ND ATER LE EL TO A MINIM M OF T O FEET ELO E CA ATIONS PRO IDE PIE OMETERS AS DIRECTED T E ENGINEER TO DOC MENT T AT T E GRO ND ATER LE EL IS EING MAINTAINED
D ACCEPTA LE MEANS, CONTRACTOR S ALL CONTROL ALL ATER REGARDLESS OF SO RCE AND IS RESPONSI LE FOR PROPER DISPOSAL OF T E ATER NO ADDITIONAL PA MENT ILL E MADE FOR AN S PPLEMENTAL MEAS RES TO CONTROL SEEPAGE, GRO ND ATER, OR ARTESIAN EAD
E OPEN P MPING IT S MPS AND DITC ES S ALL E ALLO ED, PRO IDED IT DOES NOT RES LT IN OILS, LOSS OF FINES, SOFTENING OF T E GRO ND, OR INSTA ILIT OF SLOPES S MPS S ALL E LOCATED O TSIDE OF LOAD EARING AREAS SO T E EARING S RFACES ILL NOT E DIST R ED ATER CONTAINING SILT IN S SPENSION S ALL NOT E P MPED INTO SE ER LINES OR AD ACENT ATER ODIES D RING NORMAL P MPING AND PON DE ELOPMENT OF ELL S , LE ELS OF FINE SAND OR SILT IN T E DISC ARGE OF ATER S ALL NOT E CEED FI E PPM
F CONTIN O SL MAINTAIN E CA ATIONS IN A DR CONDITION IT POSITI E DE ATERING MET ODS D RING PREPARATION OF S GRADE, INSTALLATION OF PIPE, AND CONSTR CTION OF STR CT RES NTIL T E CRITICAL PERIOD OF CONSTR CTION AND OR ACKFILL IS COMPLETED TO PRE ENT DAMAGE OF S GRADE S PPORT, PIPING, STR CT RE, SIDE SLOPES, OR AD ACENT FACILITIES FOR FLOTATION OR OT ER DROSTATIC PRESS RE IM ALANCE
G EN CONSTR CTION IS COMPLETE, PROPERL REMO E ALL DE ATERING E IPMENT FROM T E SITE, INCL DING ELLS AND RELATED TEMPORAR ELECTRICAL SER ICE
S GRADE
A NOTIF PRO ECT GEOTEC NICAL ENGINEER EN E CA ATIONS A E REAC ED RE IRED S GRADE
IF PRO ECT GEOTEC NICAL ENGINEER DETERMINES T AT NSATISFACTOR SOIL IS PRESENT, CONTIN E E CA ATION AND REPLACE IT COMPACTED ACKFILL OR FILL MATERIAL AS DIRECTED
C PROOF ROLL S GRADE ELO T E ILDING SLA S AND PA EMENTS IT A PNE MATIC TIRED AND LOADED 10 EEL, TANDEM A LE D MP TR CK EIG ING NOT LESS T AN 1 TONS TO IDENTIF SOFT POCKETS AND AREAS OF E CESS IELDING DO NOT PROOF ROLL ET OR SAT RATED S GRADES E CA ATE SOFT SPOTS, NSATISFACTOR SOILS, AND AREAS OF E CESSI E P MPING OR R TTING, AS DETERMINED PRO ECT GEOTEC NICAL ENGINEER, AND REPLACE IT COMPACTED ACKFILL OR FILL AS DIRECTED
D IN EA D T PA EMENT AREAS, T E GRA EL AGGREGATE ASE S ALL E E TENDED NDER T E C R AND G TTER SECTION TO PRO IDE ADDITIONAL STA ILIT FOR TR CK TRA EL
TILIT TRENC EDDING AND ACKFILL
A PLACE AND COMPACT EDDING CO RSE ON TRENC OTTOMS AND ERE INDICATED S APE EDDING CO RSE TO PRO IDE CONTIN O S S PPORT FOR ELLS, OINTS, AND ARRELS OF PIPES AND FOR OINTS, FITTINGS, AND ODIES OF COND ITS
SE CLASS EDDING NDER ALL P C PIPING
C CAREF LL COMPACT INITIAL ACKFILL NDER PIPE A NC ES AND COMPACT E ENL P ON OT SIDES AND ALONG T E F LL LENGT OF PIPING OR COND IT TO A OID DAMAGE OR DISPLACEMENT OF PIPING OR COND IT
D ACKFILL ALL TILITIES NDER ROAD A S AND TRAFFIC AREAS IT CR S ED STONE COMPACTION OF SOIL ACKFILLS AND FILLS
A PLACE ACKFILL AND FILL SOIL MATERIALS IN LA ERS NOT MORE T AN INC ES IN LOOSE DEPT FOR MATERIAL COMPACTED EA COMPACTION E IPMENT, AND NOT MORE T AN INC ES IN LOOSE DEPT FOR MATERIAL COMPACTED AND OPERATED TAMPERS
PLACE ACKFILL AND FILL SOIL MATERIALS E ENL ON ALL SIDES OF STR CT RES TO RE IRED ELE ATIONS, AND NIFORML ALONG T E F LL LENGT OF EAC STR CT RE COMPACT SOIL MATERIALS AS INDICATED ON DRA INGS OR AS INDICATED IN T E PRO ECT GEOTEC NICAL REPORT
C PRO IDE CONSTR CTION P ASE MONITORING AND TESTING AS RECOMMENDED IN T E PRO ECT GEOTEC NICAL REPORT PRO IDE TEST REPORTS TO T E ENGINEER FOR RE IE AND APPRO AL
GRADING
A GENERAL NIFORML GRADE AREAS TO A SMOOT S RFACE, FREE OF IRREG LAR S RFACE C ANGES COMPL IT COMPACTION RE IREMENTS AND GRADE TO CROSS SECTIONS, LINES, AND ELE ATIONS INDICATED
1 PRO IDE A SMOOT TRANSITION ET EEN AD ACENT E ISTING GRADES AND NE GRADES C T O T SOFT SPOTS, FILL LO SPOTS, AND TRIM IG SPOTS TO COMPL IT RE IRED S RFACE TOLERANCES
LANDSCAPE ISLANDS FILL ALL C R ED ISLANDS TO TOP OF C R IT TOPSOIL AND APPL SEED AND M LC NLESS DRA INGS INDICATE OT ER ISE
C SLOPES DO NOT CREATE C T OR FILL SLOPES STEEPER T AN 1 IT O T O TAINING SPECIAL RITTEN PERMISSION FROM T E ENGINEER OF RECORD AND PRO ECT GEOTEC NICAL ENGINEER PROTECTION
A PROTECTING GRADED AREAS PROTECT NE L GRADED AREAS FROM TRAFFIC, FREE ING, AND EROSION KEEP FREE OF TRAS AND DE RIS SEE EROSION AND SEDIMENT CONTROL PLAN AND NOTES FOR F RT ER INFORMATION

ASP ALT PA ING

1 FIELD CONDITIONS
A EN IRONMENTAL LIMITATIONS DO NOT APPL ASP ALT MATERIALS IF S GRADE IS ET OR E CESSI EL DAMP, IF RAIN IS IMMINENT OR E PECTED EFORE TIME RE IRED FOR ADE ATE C RE, OR IF T E FOLLO ING CONDITIONS ARE NOT MET
1 PRIME COAT MINIM M S RFACE TEMPERAT RE OF 60 DEG F
TACK COAT MINIM M S RFACE TEMPERAT RE OF 60 DEG F
SLURRY COAT: COMPLY WITH WEATHER LIMITATIONS IN ASTM D 3910.
ASP ALT ASE CO RSE MINIM M S RFACE TEMPERAT RE OF 40 DEG F AND RISING AT TIME OF PLACEMENT
ASP ALT S RFACE CO RSE MINIM M S RFACE TEMPERAT RE OF 60 DEG F AT TIME OF PLACEMENT
ASP ALT MATERIALS
A REFER TO PRO ECT GEOTEC NICAL REPORT AND PRO ECT DRA INGS FOR RE IRED ASP ALT MATERIAL DESIGN
AGGREGATES S ALL MEET T E RE IREMENTS OF T E LOCAL DEPARTMENT OF TRANSPORTATION
C RECLAIMED ASP ALT PA EMENT RAP S ALL NOT E SED IN T E MI DESIGN
PATC ING
A ASP ALT PA EMENT SA C T PERIMETER OF PATC AND E CA ATE E ISTING PA EMENT SECTION TO SO ND ASE E CA ATE RECTANG LAR OR TRAPE OIDAL PATC ES, E TENDING 1 INC ES INTO PERIMETER OF AD ACENT SO ND PA EMENT, NLESS OT ER ISE INDICATED C T E CA ATION FACES ERTICALL REMO E E CA ATED MATERIAL RECOMPACT E ISTING N O ND AGGREGATE ASE CO RSE TO FORM NE S GRADE
TACK COAT EFORE PLACING PATC MATERIAL, APPL TACK COAT NIFORML TO ERTICAL ASP ALT S RFACES A TTING T E PATC APPL AT A RATE OF 0 0 TO 0 1 GAL S D
1 ALLO TACK COAT TO C RE NDIST R ED EFORE APPL ING OT MI ASP ALT PA ING
A OID SMEARING OR STAINING AD OINING S RFACES, APP RTENANCES, AND S RRO NDINGS
REMO E SPILLAGES AND CLEAN AFFECTED S RFACES
C PLACING PATC MATERIAL FILL E CA ATED PA EMENT AREAS IT OT MI ASP ALT A SMI FOR F LL T ICKNESS OF PATC AND, ILE STILL OT, COMPACT FL S IT AD ACENT S RFACE
S RFACE PREPARATION
A GENERAL IMMEDIATEL EFORE PLACING ASP ALT MATERIALS, REMO E LOOSE AND DELETERIO S MATERIAL FROM S STRATE S RFACES ENS RE T AT PREPARED GRADE IS READ TO RECEI E PA ING SA C T E ISTING PA EMENT TO E OINED TO PRO IDE ERTICAL FACES ET EEN NE AND E ISTING S RFACES
EM LSIFIED ASP ALT PRIME COAT APPL NIFORML O ER S RFACE OF COMPACTED N O ND AGGREGATE ASE CO RSE AT A RATE OF 0 10 TO 0 S D PER INC DEPT APPL ENO G MATERIAL TO PENETRATE AND SEAL, T NOT FLOOD S RFACE ALLO PRIME COAT TO C RE
1 IF PRIME COAT IS NOT ENTIREL A SOR ED IT IN O RS AFTER APPLICATION, SPREAD SAND O ER S RFACE TO LOT E CESS ASP ALT SE ENO G SAND TO PRE ENT PICK P NDER TRAFFIC REMO E LOOSE SAND S EEPING EFORE PA EMENT IS PLACED AND AFTER OLATILES A E E APORATED
PROTECT PRIMED S STRATE FROM DAMAGE NTIL READ TO RECEI E PA ING
C TACK COAT APPL NIFORML TO S RFACES OF E ISTING PA EMENT AT A RATE OF 0 0 TO 0 0 GAL S D
1 ALLO TACK COAT TO C RE NDIST R ED EFORE APPL ING OT MI ASP ALT PA ING
A OID SMEARING OR STAINING AD OINING S RFACES, APP RTENANCES, AND S RRO NDINGS
REMO E SPILLAGES AND CLEAN AFFECTED S RFACES
PLACING OT MI ASP ALT
A MAC INE PLACE OT MI ASP ALT ON PREPARED S RFACE, SPREAD NIFORML , AND STRIKE OFF PLACE ASP ALT MI AND IN AREAS INACCESSI LE TO E IPMENT IN A MANNER T AT PRE ENTS SEGREGATION OF MI PLACE EAC CO RSE TO RE IRED GRADE, CROSS SECTION, AND T ICKNESS EN COMPACTED
1 PLACE OT MI ASP ALT ASE CO RSE IN N M ER OF LIFTS AND T ICKNESSES INDICATED
PLACE OT MI ASP ALT S RFACE CO RSE IN SINGLE LIFT
SPREAD MI AT A MINIM M TEMPERAT RE OF 250 DEG F
EGIN APPL ING MI ALONG CENTERLINE OF CRO N FOR CRO NED SECTIONS AND ON IG SIDE OF ONE A SLOPES NLESS OT ER ISE INDICATED
REG LATE PA ER MAC INE SPEED TO O TAIN SMOOT , CONTIN O S S RFACE FREE OF P LLS AND TEARS IN ASP ALT PA ING MAT
PLACE PA ING IN CONSEC TI E STRIPS NOT LESS T AN 10 FEET IDE NLESS INFILL EDGE STRIPS OF A LESSER IDT ARE RE IRED
OINTS
A CONSTR CT OINTS TO ENS RE A CONTIN O S OND ET EEN AD OINING PA ING SECTIONS CONSTR CT OINTS FREE OF DEPRESSIONS, IT SAME TE T RE AND SMOOT NESS AS OT ER SECTIONS OF OT MI ASP ALT CO RSE
CONSTR CT SMOOT TRANSITIONS ET EEN NE AND E ISTING PA ING SECTIONS
COMPACTION
A GENERAL EGIN COMPACTION AS SOON AS PLACED OT MI PA ING ILL EAR ROLLER EIG T IT O T E CESSI E DISPLACEMENT COMPACT OT MI PA ING IT OT, AND TAMPERS OR IT I RATOR PLATE COMPACTORS IN AREAS INACCESSI LE TO ROLLERS COMPLETE COMPACTION EFORE MI TEMPERAT RE COOLS TO 185 DEG F
1 INITIAL LIFT A ERAGE OF OF MA IM M T EORETICAL DENSIT
TOP S RFACE LIFT A ERAGE OF OF MA IM M T EORETICAL DENSIT
TOLERANCE 0 , 1 0 OF AN INDI ID AL TEST
FINIS ROLLING FINIS ROLL PA ED S RFACES TO REMO E ROLLER MARKS ILE OT MI ASP ALT IS STILL ARM
C ERECT ARRICADES TO PROTECT PA ING FROM TRAFFIC FOR AT LEAST O RS AFTER PLACEMENT FOR T E INDER CO RSE, AND AT LEAST O RS AFTER PLACEMENT FOR T E FINAL EARING S RFACE
D IF T E AM IENT AIR TEMPERAT RE IS IN E CESS OF 0 DEGREES FA REN EIT D RING T E O R PROTECTION PERIOD, T E PA EMENT S RFACE S ALL E FLOODED IT ATER TO RAPIDL COOL T E PA EMENT AT LEAST ONCE PER DA
FIELD ALIT CONTROL
A TESTING AGENC ENGAGE A ALIFIED TESTING AGENC TO PERFORM TESTS AND INSPECTIONS COND CT TESTS AND REPORTS SPECIFIED IN T E PRO ECT GEOTEC NICAL REPORT
C TESTING AGENC M ST INSPECT AND APPRO E T E S GRADE, EAC FILL LA ER, AND T E S ASE AND ASE CO RSE
D PROMPTL SEND TEST REPORTS TO T E ENGINEER FOR RE IE AND APPRO AL
E REMO E AND REPLACE OR INSTALL ADDITIONAL OT MI ASP ALT ERE TEST RES LTS OR MEAS REMENTS INDICATE T AT IT DOES NOT COMPL IT SPECIFIED RE IREMENTS

CONCRETE PA ING

1 PRO ECT CONDITIONS
A TRAFFIC CONTROL MAINTAIN ACCESS FOR E IC LAR AND PEDESTRIAN TRAFFIC AS RE IRED FOR OT ER CONSTR CTION ACTI ITIES
STEEL REINFORCEMENT
A PLAIN-STEEL WELDED WIRE REINFORCEMENT: ASTM A 185/A 185M, FABRICATED FROM AS-DRAWN STEEL IRE INTO FLAT S EETS
REINFORCING BARS: ASTM A 615/A 615M, GRADE 60 DEFORMED
C JOINT DOWEL BARS: ASTM A 615/A 615M, GRADE 60 PLAIN STEEL ARS C T ARS TR E TO LENGT IT ENDS S ARE AND FREE OF RRS
D AR S PPORTS OLSTERS, C AIRS, SPACERS, AND OT ER DE ICES FOR SPACING, S PPORTING, AND FASTENING REINFORCING ARS, ELDED IRE REINFORCEMENT, AND DO ELS IN PLACE MAN FACT RE AR S PPORTS ACCORDING TO CRSI S "MAN AL OF STANDARD PRACTICE" FROM STEEL IRE, PLASTIC, OR PRECAST CONCRETE OF GREATER COMPRESSI E STRENGT T AN CONCRETE SPECIFIED, AND AS FOLLO S
CONCRETE MATERIALS
A CEMENTITIO S MATERIAL SE CEMENTITIO S MATERIALS, OF SAME T PE, RAND, AND SO RCE T RO G O T PRO ECT
NORMAL-WEIGHT AGGREGATES: ASTM C 33,, UNIFORMLY GRADED. PROVIDE AGGREGATES FROM A SINGLE SO RCE
1 MA IM M COARSE AGGREGATE SI E 1 INC NOMINAL
FINE AGGREGATE FREE OF MATERIALS IT DELETERIO S REACTI IT TO ALKALI IN CEMENT RELATED MATERIALS
A JOINT FILLERS: ASTM D 1751, ASPHALT-SATURATED CELLULOSIC FIBER IN PREFORMED STRIPS.
EEL STOPS
A EEL STOPS PRECAST, AIR ENTRAINED CONCRETE, 00 PSI MINIM M COMPRESSI E STRENGT , PRO IDE C AMFERED CORNERS AND DRAINAGE SLOTS ON NDERSIDE AND OLES FOR ANC ORING TO S STRATE
SIDE ALKS
A SIDE ALKS SLOPE SIDE ALKS A A FROM ILDING IT A 1 CROSS SLOPE NLESS DRA INGS INDICATE OT ER ISE
PREPARATION
A REMO E LOOSE MATERIAL FROM COMPACTED S ASE S RFACE IMMEDIATEL EFORE PLACING CONCRETE
STEEL REINFORCEMENT
A GENERAL COMPL IT CRSI S "MAN AL OF STANDARD PRACTICE" FOR FA RICATING, PLACING, AND S PPORTING REINFORCEMENT
CLEAN REINFORCEMENT OF LOOSE R ST AND MILL SCALE, EART , ICE, OR OT ER OND RED CING MATERIALS
C ARRANGE, SPACE, AND SEC REL TIE ARS AND AR S PPORTS TO OLD REINFORCEMENT IN POSITION D RING CONCRETE PLACEMENT MAINTAIN MINIM M CO ER TO REINFORCEMENT
D INSTALL ELDED IRE REINFORCEMENT IN LENGT S AS LONG AS PRACTICA LE LAP AD OINING PIECES AT LEAST ONE F LL MES , AND LACE SPLICES IT IRE OFFSET LAPS OF AD OINING IDT S TO PRE ENT CONTIN O S LAPS IN EIT ER DIRECTION
E INC COATED REINFORCEMENT SE GAL ANI ED STEEL IRE TIES TO FASTEN INC COATED REINFORCEMENT REPAIR C T AND DAMAGED INC COATINGS IT INC REPAIR MATERIAL
OINTS
A GENERAL FORM CONSTR CTION, ISOLATION, AND CONTRACTION OINTS AND TOOL EDGES TR E TO LINE, IT FACES PERPENDIC LAR TO S RFACE PLANE OF CONCRETE CONSTR CT TRANS ERSE OINTS AT RIG T ANGLES TO CENTERLINE NLESS OT ER ISE INDICATED
1 EN OINING E ISTING PA ING, PLACE TRANS ERSE OINTS TO ALIGN IT PRE IO SL PLACED OINTS NLESS OT ER ISE INDICATED
ENS RE FORMS PRO IDE CORRECT ORI ONTAL AND ERTICAL ALIGNMENT ET EEN NE AND E ISTING PA EMENTS, SIDE ALKS, C R AND G TTER, ETC
CONSTR CTION OINTS SET CONSTR CTION OINTS AT SIDE AND END TERMINATIONS OF PA ING AND AT LOCATIONS ERE PA ING OPERATIONS ARE STOPPED FOR MORE T AN ONE ALF O R NLESS PA ING TERMINATES AT ISOLATION OINTS
1 CONTIN E STEEL REINFORCEMENT ACROSS CONSTR CTION OINTS NLESS OT ER ISE INDICATED DO NOT CONTIN E REINFORCEMENT T RO G SIDES OF PA ING STRIPS NLESS OT ER ISE INDICATED
PRO IDE TIE ARS AT SIDES OF PA ING STRIPS ERE INDICATED
KE ED OINTS PRO IDE PREFORMED KE A SECTION FORMS OR LK EAD FORMS IT KE S NLESS OT ER ISE INDICATED EM ED KE S AT LEAST 1 1 INC ES INTO CONCRETE
DO ELED OINTS INSTALL DO EL ARS AND S PPORT ASSEM LIES AT OINTS ERE INDICATED L RICATE OR COAT IT ASP ALT ONE ALF OF DO EL LENGT TO PRE ENT CONCRETE ONDING TO ONE SIDE OF OINT
C ISOLATION OINTS FORM ISOLATION OINTS OF PREFORMED OINT FILLER STRIPS A TTING CONCRETE C R S, CATC ASINS, MAN OLES, INLETS, STR CT RES, OT ER FI ED O ECTS, AND ERE INDICATED
1 LOCATE E PANSION OINTS AT INTER ALS OF FEET NLESS OT ER ISE INDICATED
E TEND OINT FILLERS F LL IDT AND DEPT OF OINT
TERMINATE OINT FILLER NOT LESS T AN 1 INC OR MORE T AN 1 INC ELO FINIS ED S RFACE IF OINT SEALANT IS INDICATED
PLACE TOP OF OINT FILLER FL S IT FINIS ED CONCRETE S RFACE IF OINT SEALANT IS NOT INDICATED
F RNIS OINT FILLERS IN ONE PIECE LENGT S ERE MORE T AN ONE LENGT IS RE IRED, LACE OR CLIP OINT FILLER SECTIONS TOGET ER
D RING CONCRETE PLACEMENT, PROTECT TOP EDGE OF OINT FILLER IT METAL, PLASTIC, OR OT ER TEMPORAR PREFORMED CAP REMO E PROTECTI E CAP AFTER CONCRETE AS EEN PLACED ON OT SIDES OF OINT
D CONTRACTION OINTS FORM EAKENED PLANE CONTRACTION OINTS, SECTIONING CONCRETE INTO AREAS AS INDICATED CONSTR CT CONTRACTION OINTS FOR A DEPT E AL TO AT LEAST ONE FO RT OF T E CONCRETE T ICKNESS, AS FOLLO S
1 GROO ED OINTS FORM CONTRACTION OINTS AFTER INITIAL FLOATING GROO ING AND FINIS ING EAC EDGE OF OINT IT GROO ING TOOL TO A 1 INC RADI S REPEAT GROOVING OF CONTRACTION JOINTS AFTER APPLYING SURFACE FINISHES. ELIMINATE GROO ING TOOL MARKS ON CONCRETE S RFACES
SA ED OINTS FORM CONTRACTION OINTS IT PO ER SA S E IPPED IT S ATERPROOF A RASI E OR DIAMOND RIMMED LADES C T 1 INC IDE OINTS INTO CONCRETE EN C TTING ACTION ILL NOT TEAR, A RADE, OR OT ER ISE DAMAGE S RFACE AND EFORE DE ELOPING RANDOM CONTRACTION CRACKS
DO ELED CONTRACTION OINTS INSTALL DO EL ARS AND S PPORT ASSEM LIES AT OINTS ERE INDICATED L RICATE OR COAT IT ASP ALT ONE ALF OF DO EL LENGT TO PRE ENT CONCRETE ONDING TO ONE SIDE OF OINT
E EDGING AFTER INITIAL FLOATING, TOOL EDGES OF PA ING, G TTERS, C R S, AND OINTS IN CONCRETE IT AN EDGING TOOL TO A 1 INC RADI S REPEAT TOOLING OF EDGES AFTER APPLYING SURFACE FINISHES. ELIMINATE EDGING-TOOL MARKS ON CONCRETE SURFACES.
10 FIELD ALIT CONTROL
A TESTING AGENC ENGAGE A ALIFIED TESTING AGENC TO PERFORM TESTS AND INSPECTIONS PROMPTL SEND TEST REPORTS TO T E ENGINEER FOR RE IE AND APPRO AL
C TESTING SER ICES TESTING OF COMPOSITE SAMPLES OF FRES CONCRETE O TAINED ACCORDING TO ASTM C 172 SHALL BE PERFORMED BY THE GENERAL CONTRACTOR'S TESTING AGENC ACCORDING TO T E FOLLO ING RE IREMENTS
1 TESTING FRE ENC O TAIN AT LEAST ONE COMPOSITE SAMPLE FOR EAC 100 C D OR FRACTION T EREOF OF EAC CONCRETE MI T RE PLACED EAC DA EN FRE ENC OF TESTING ILL PRO IDE FE ER T AN FI E COMPRESSI E STRENGT TESTS FOR EAC CONCRETE MI T RE, TESTING S ALL E COND CTED FROM AT LEAST FI E RANDOML SELECTED ATC ES OR FROM EAC ATC IF FE ER T AN FI E ARE SED
SLUMP: ASTM C 143/C 143M; ONE TEST AT POINT OF PLACEMENT FOR EACH COMPOSITE SAMPLE, T NOT LESS T AN ONE TEST FOR EAC DA S PO R OF EAC CONCRETE MI T RE PERFORM ADDITIONAL TESTS EN CONCRETE CONSISTENC APPEARS TO C ANGE
AIR CONTENT: ASTM C 231, PRESSURE METHOD; ONE TEST FOR EACH COMPOSITE SAMPLE, T NOT LESS T AN ONE TEST FOR EAC DA S PO R OF EAC CONCRETE MI T RE
CONCRETE TEMPERATURE: ASTM C 1064/C 1064M; ONE TEST HOURLY WHEN AIR TEMPERATURE IS 40 DEG F AND ELO AND EN IT IS 80 DEG F AND A O E, AND ONE TEST FOR EAC COMPOSITE SAMPLE
COMPRESSION TEST SPECIMENS: ASTM C 31/C 31M; CAST AND LABORATORY CURE ONE SET OF T REE STANDARD C LINDER SPECIMENS FOR EAC COMPOSITE SAMPLE
COMPRESSIVE-STRENGTH TESTS: ASTM C 39/C 39M; TEST ONE SPECIMEN AT SEVEN DAYS AND T O SPECIMENS AT DA S A COMPRESSI E STRENGT TEST S ALL E T E A ERAGE COMPRESSI E STRENGT FROM T O SPECIMENS O TAINED FROM SAME COMPOSITE SAMPLE AND TESTED AT DA S
D STRENGT OF EAC CONCRETE MI T RE ILL E SATISFACTOR IF A ERAGE OF AN T REE CONSEC TI E COMPRESSI E STRENGT TESTS E ALS OR E CEEDS SPECIFIED COMPRESSI E STRENGT AND NO COMPRESSI E STRENGT TEST AL E FALLS ELO SPECIFIED COMPRESSI E STRENGT MORE T AN 00 PSI
E TEST RES LTS S ALL E REPORTED IN RITING TO ENGINEER, CONCRETE MAN FACT RER, AND CONTRACTOR IT IN O RS OF TESTING REPORTS OF COMPRESSI E STRENGT TESTS S ALL CONTAIN PRO ECT IDENTIFICATION NAME AND N M ER, DATE OF CONCRETE PLACEMENT, NAME OF CONCRETE TESTING AND INSPECTING AGENC , LOCATION OF CONCRETE ATC IN ORK, DESIGN COMPRESSI E STRENGT AT DA S, CONCRETE MI T RE PROPORTIONS AND MATERIALS, COMPRESSI E REAKING STRENGT , AND T PE OF REAK FOR OT AND DA TESTS
F ADDITIONAL TESTS TESTING AND INSPECTING AGENC S ALL MAKE ADDITIONAL TESTS OF CONCRETE EN TEST RES LTS INDICATE T AT SL MP, AIR ENTRAINMENT, COMPRESSI E STRENGT S, OR OT ER RE IREMENTS A E NOT EEN MET, AS DIRECTED ENGINEER
G CONCRETE PA ING ILL E CONSIDERED DEFECTI E IF IT DOES NOT PASS TESTS AND INSPECTIONS
ADDITIONAL TESTING AND INSPECTING, AT CONTRACTOR S E PENSE, ILL E PERFORMED TO DETERMINE COMPLIANCE OF REPLACED OR ADDITIONAL ORK IT SPECIFIED RE IREMENTS
I PREPARE TEST AND INSPECTION REPORTS
11 REPAIRS AND PROTECTION
A REMO E AND REPLACE CONCRETE PA ING T AT IS ROKEN, DAMAGED, OR DEFECTI E OR T AT DOES NOT COMPL IT RE IREMENTS IN T IS SECTION REMO E ORK IN COMPLETE SECTIONS FROM OINT TO OINT NLESS OT ER ISE APPRO ED ENGINEER
DRILL TEST CORES, ERE DIRECTED ENGINEER, EN NECESSAR TO DETERMINE MAGNIT DE OF CRACKS OR DEFECTI E AREAS FILL DRILLED CORE OLES IN SATISFACTOR PA ING AREAS IT PORTLAND CEMENT CONCRETE ONDED TO PA ING IT EPO AD ESI E
C PROTECT CONCRETE PA ING FROM DAMAGE E CL DE TRAFFIC FROM PA ING FOR AT LEAST 1 DA S AFTER PLACEMENT EN CONSTR CTION TRAFFIC IS PERMITTED, MAINTAIN PA ING AS CLEAN AS POSSI LE REMO ING S RFACE STAINS AND SPILLAGE OF MATERIALS AS T E OCC R
D MAINTAIN CONCRETE PA ING FREE OF STAINS, DISCOLORATION, DIRT, AND OT ER FOREIGN MATERIAL S EEP PA ING NOT MORE T AN T O DA S EFORE DATE SC ED LED FOR S STANTIAL COMPLETION INSPECTIONS

PA EMENT MARKINGS

1 ALIT ASS RANCE
A REG LATOR RE IREMENTS COMPL IT MATERIALS, ORKMANS IP, AND OT ER APPLICA LE RE IREMENTS OF STATE DOT OR LOCAL M NICIPALIT FOR PA EMENT MARKING ORK
FIELD CONDITIONS
A EN IRONMENTAL LIMITATIONS PROCEED IT PA EMENT MARKING ONL ON CLEAN, DR SURFACES AND AT A MINIMUM AMBIENT OR SURFACE TEMPERATURE OF 40 DEG F FOR ALKYD MATERIALS, 55 DEG F FOR ATER ASED MATERIALS, AND NOT E CEEDING 95 DEG F
PA EMENT MARKING PAINT
A PA EMENT MARKING PAINT ALK D RESIN T PE, LEAD AND C ROMATE FREE, READ MI ED, COMPLYING WITH AASHTO M 248; COLORS COMPLYING WITH FS TT-P-1952. COLOR: AS INDICATED. ALL PA EMENT MARKING IT IN D O T RIG T OF A S ALL E T ERMOPLASTIC AND IN ACCORDANCE IT D O T SPECIFICATIONS
PA EMENT MARKING
A APPL TEMPORAR PA EMENT MARKING EFORE TRAFFIC IS ALLO ED ON AN NE L PA ED AREA OR AS SITE CONDITIONS DICTATE ALLO FINAL EARING S RFACE TO AGE FOR A MINIM M OF 0 DA S EFORE APPL ING FINAL PERMANENT PA EMENT MARKING
PROTECTING AND CLEANING
A PROTECT PA EMENT MARKINGS FROM DAMAGE AND EAR D RING REMAINDER OF CONSTR CTION PERIOD
CLEAN SPILLAGE AND SOILING FROM AD ACENT CONSTR CTION SING CLEANING AGENTS AND PROCED RES RECOMMENDED MAN FACT RER OF AFFECTED CONSTR CTION

C AIN LINK FENCES AND GATES

1 PRO ECT CONDITIONS
A FIELD MEAS REMENTS ERIF LA O T INFORMATION FOR C AIN LINK FENCES AND GATES S O N ON DRA INGS IN RELATION TO PROPERT S R E AND E ISTING STR CT RES ERIF DIMENSIONS FIELD MEAS REMENTS
ARRANT
A SPECIAL ARRANT MAN FACT RER S STANDARD FORM IN IC INSTALLER AGREES TO REPAIR OR REPLACE COMPONENTS OF C AIN LINK FENCES AND GATES T AT FAIL IN MATERIALS OR ORKMANS IP IT IN SPECIFIED ARRANT PERIOD
C AIN LINK FENCE FA RIC
A GENERAL PRO IDE FA RIC IN ONE PIECE EIG TS MEAS RED ET EEN TOP AND OTTOM OF O TER EDGE OF SEL AGE KN CKLE OR T IST COMPL IT C LFMI PROD CT MAN AL AND IT RE IREMENTS INDICATED ELO
1 FA RIC EIG T AS INDICATED ON DRA INGS
STEEL IRE FA RIC IRE IT A DIAMETER OF INC
MES SI E INC ES
POLYMER-COATED FABRIC: ASTM F 668, OVER ZINC-COATED STEEL WIRE. COLOR: BLACK, COMPLYING WITH ASTM F 934.
SEL AGE T ISTED TOP AND KN CKLED OTTOM
FENCE FRAMING
A POSTS AND RAILS: COMPLY WITH ASTM F 1043 FOR FRAMING, INCLUDING RAILS, BRACES, AND LINE; TERMINAL AND CORNER POSTS PRO IDE MEM ERS IT MINIM M DIMENSIONS AND ALL THICKNESS ACCORDING TO ASTM F 1043 BASED ON THE FOLLOWING:
1 FENCE EIG T AS INDICATED ON DRA INGS
MATERIAL
LINE POST 1 INC ES IN DIAMETER
END, CORNER AND P LL POST INC ES
HORIZONTAL FRAMEWORK MEMBERS: TOP RAILS COMPLYING WITH ASTM F 1043. TOP RAIL: 1 INC ES IN DIAMETER
BRACE RAILS COMPLY WITH ASTM F 1043.
METALLIC COATING FOR STEEL FRAMING
TYPE A CONSISTING OF NOT LESS THAN MINIMUM 0 O S FT A ERAGE INC COATING PER ASTM A 123/A 123M OR 0 O S FT ZINC COATING PER ASTM A 653/A 653M.
TENSION IRE
A METALLIC COATED STEEL IRE 0 1 INC DIAMETER, MARCELLED TENSION IRE COMPL ING WITH ASTM A 817 AND ASTM A 824, WITH THE FOLLOWING METALLIC COATING: TYPE II, ZINC COATED GAL ANI ED OT DIP PROCESS, IT T E FOLLO ING MINIM M COATING EIG T MATC ING C AIN LINK FA RIC COATING EIG T
S ING GATES
A GENERAL: COMPLY WITH ASTM F 900 FOR GATE POSTS AND SINGLE OR DOUBLE SWING GATE T PES
1 GATE LEAF IDT AS INDICATED
GATE FA RIC EIG T AS INDICATED
PIPE AND T ING
1 ZINC-COATED STEEL: COMPLY WITH ASTM F 1043 AND ASTM F 1083; PROTECTIVE COATING AND FINIS TO MATC FENCE FRAMING
GATE POSTS RO ND T LAR STEEL
GATE FRAMES AND RACING RO ND T LAR STEEL
C FRAME CORNER CONSTR CTION ASSEM LED IT CORNER FITTINGS
D ARD ARE
1 INGES 0 DEGREE IN ARD AND O T ARD S ING
LATCHES PERMITTING OPERATION FROM BOTH SIDES OF GATE WITH PROVISION FOR PADLOCKING ACCESSI LE FROM OT SIDES OF GATE
FITTINGS
A GENERAL: COMPLY WITH ASTM F 626.
POST CAPS PRO IDE FOR EAC POST PRO IDE LINE POST CAPS IT LOOP TO RECEI E TENSION IRE OR TOP RAIL
C RAIL AND RACE ENDS FOR EAC GATE, CORNER, P LL, AND END POST
D RAIL FITTINGS PRO IDE T E FOLLO ING
1 TOP RAIL SLEE ES PRESSED STEEL OR RO ND STEEL T ING NOT LESS T AN INC ES LONG
RAIL CLAMPS LINE AND CORNER O LE ARD CLAMPS FOR CONNECTING RAILS IN T E FENCE LINE TO LINE POSTS
E TENSION AND RACE ANDS PRESSED STEEL
F TENSION ARS STEEL, LENGT NOT LESS T AN INC ES S ORTER T AN F LL EIG T OF C AIN LINK FA RIC PRO IDE ONE AR FOR EAC GATE AND END POST, AND T O FOR EAC CORNER AND P LL POST, NLESS FA RIC IS INTEGRALL O EN INTO POST
G TR SS ROD ASSEM LIES STEEL, OT DIP GAL ANI ED AFTER T READING ROD AND T RN CKLE OR OT ER MEANS OF AD STMENT
TIE WIRES, CLIPS, AND FASTENERS: ACCORDING TO ASTM F 626. STANDARD ROUND WIRE TIES: FOR ATTAC ING C AIN LINK FA RIC TO POSTS, RAILS, AND FRAMES, COMPL ING IT T E FOLLO ING OT DIP GAL ANI ED STEEL 0 1 INC - DIAMETER WIRE; GALVANIZED COATING T ICKNESS MATC ING COATING T ICKNESS OF C AIN LINK FENCE FA RIC
GRO T AND ANC ORING CEMENT
A NONS RINK, NONMETALLIC GRO T PREMI ED, FACTOR PACKAGED, NONSTAINING, NONCORROSIVE, NONGASEOUS GROUT COMPLYING WITH ASTM C 1107. PROVIDE GROUT, RECOMMENDED IN RITING MAN FACT RER, FOR E TERIOR APPLICATIONS
EROSION RESISTANT ANC ORING CEMENT FACTOR PACKAGED, NONS RINK, NONSTAINING, DRA LIC CONTROLLED E PANSION CEMENT FORM LATION FOR MI ING IT POTA LE ATER AT PRO ECT SITE TO CREATE PO RA LE ANC ORING, PATC ING, AND GRO TING COMPO ND PRO IDE FORM LATION T AT IS RESISTANT TO EROSION FROM ATER E POS RE IT O T NEEDING PROTECTION A SEALER OR ATERPROOF COATING AND T AT IS RECOMMENDED IN RITING MAN FACT RER, FOR E TERIOR APPLICATIONS
AD STING
A GATES AD ST GATES TO OPERATE SMOOT L , EASIL , AND IETL , FREE OF INDING, ARP, E CESSI E DEFLECTION, DISTORTION, NONALIGNMENT, MISPLACEMENT, DISR PTION, OR MALF NCTION, T RO G O T ENTIRE OPERATIONAL RANGE CONFIRM T AT LATC ES AND LOCKS ENGAGE ACC RATEL AND SEC REL IT O T FORCING OR INDING

SITE IMPRO EMENTS 0 00

GATES AND FENCING
PEDESTRIAN GATES:

1 36"- 48" OPENING WIDTH
MINIMUM HEIGHT – 6'
PRE FRAMED
A TO CLOSER DRA LIC OR SPRING
SCREENED WITH EXPANDED METAL (ADDITIONALLY, ANY FENCING OR VEHICULAR GATES WITHIN 36" OF LEADING EDGE M ST ALSO E SCREENED
STOREROOM CLOSET LOCKSET IT LE ER ANDLES O TSIDE LE ER IS AL A S FI ED AND RE IRES KE FOR ENTR , INSIDE IS AL A S FREE EGRESS) LOCATED 34" TO 48" ABOVE THE GROUND
GATE FA RICATIONS
- ORNAMENTAL STEEL OT DIPPED GAL ANI ED NDERCOAT IT AKED ON PO DER COAT FINIS
- ORNAMENTAL ALUMINUM – POWDER COAT FINISH
- CHAIN LINK – GALVANIZED OR VINYL COATED

10 MUST BE LOCATED A MINIMUM OF 18" AWAY FROM THE AUTOMATIC VEHICULAR GATE
11 PEDESTRIAN GATE S ALL OPEN FROM T E P LIC SIDE INTO T E PRI ATE SIDE OF T E PROPERT AND LEAD T E PEDESTRIAN A A FROM
1 T E E IC LAR GATE TRAFFIC PAT

SLIDE GATES

1 ALL SLIDE GATES AND AD ACENT FENCE M ST E SCREENED IT E PANDED METAL IF T E PICKET SPACING IS LESS THAN 2 ¼"
GATE FA RICATIONS
- ORNAMENTAL STEEL OT DIPPED GAL ANI ED NDERCOAT IT AKED ON PO DER COAT FINIS
- ORNAMENTAL ALUMINUM – POWDER COAT FINISH
- CHAIN LINK – GALVANIZED OR VINYL COATED

MINIMUM HEIGHT – 6'
ALL ROLLERS M ST A E CO ERS TO PRE ENT PINC POINTS
P SICAL GATE STOPS M ST E INSTALLED TO A OID O ER TRA EL IN OT DIRECTIONS
NO PROTR SIONS CAN E IST ALONG T E TOP OF T E GATE
NO PROTR SIONS CAN E IST ALONG T E OTTOM OF T E GATE
G ARD POSTS S ALL E INSTALLED TO PRE ENT GATE FROM FALLING O ER IN T E E ENT OF ROLLER FAIL RE
NO MORE THAN 8" GAP FROM BOTTOM OF GATE TO GROUND
10 CATC RACKET OKE INSTALLED ON RECEI ING POST
11 CANTILE ER SLIDE GATE GATE PANEL M ST E 0 LARGER T AN T E DRI E AISLE IDT TO ALLO FOR PROPER CO NTER ALANCE
1 TRACK SLIDE GATE
- DO NOT SE IN AREAS PRONE TO ICE AND OR SNO

1 PIPE TRACK SLIDE GATE

VERTICAL PIVOT LIFT GATES
1 MINIMUM HEIGHT – 6'
NO PROTR SIONS CAN E IST ALONG T E TOP OF T E GATE
NO PROTR SIONS CAN E IST ALONG T E OTTOM OF T E GATE
GATE FA RICATIONS
- ORNAMENTAL STEEL OT DIPPED GAL ANI ED NDERCOAT IT AKED ON PO DER COAT FINIS
- ORNAMENTAL ALUMINUM – POWDER COAT FINISH
- CHAIN LINK – GALVANIZED OR VINYL COATED

NO MORE THAN 8" GAP FROM BOTTOM OF GATE TO GROUND – GATE CAN BE CONTOURED TO FILL WITH UNEVEN GRADE
CATC RACKET OKE INSTALLED ON RECEI ING POST
PREFERRED MAN FACT RER A TOGATE

SWING GATES

1 MINIMUM HEIGHT – 6'
NO PROTR SIONS CAN E IST ALONG T E TOP OF T E GATE
NO PROTR SIONS CAN E IST ALONG T E OTTOM OF T E GATE
GATE FA RICATIONS
- ORNAMENTAL STEEL OT DIPPED GAL ANI ED NDERCOAT IT AKED ON PO DER COAT FINIS
- ORNAMENTAL ALUMINUM – POWDER COAT FINISH
- CHAIN LINK – GALVANIZED OR VINYL COATED

NO MORE THAN 8" GAP FROM BOTTOM OF GATE TO GROUND
CATC RACKET OKE INSTALLED ON RECEI ING POST
SINGLE S ING GATE
- MAXIMUM 16'

DO LE S ING GATE
- MINIMUM 16'

9. **BARRIER GATES:** NOT TO BE USED IN LIEU OF SECURITY GATES. PLEASE CONTACT THE LIFE STORAGE ACCESS CONTROL PRO ECT MANAGER FOR
10 SPECIFICATIONS AND PLACEMENT APPROPRIATE TO T E APPLICATION
11. **GATE OPERATORS:**
1 PLEASE CONTACT LIFE STORAGE ACCESS CONTROL PRO ECT MANAGER FOR RECOMMENDED ENDOR AND MODELS

PERIMETER FENCE:

ORNAMENTAL FENCE:

1 COLOR LACK
HORIZONTAL RAILS: RAILS SHALL BE A MINIMUM OF 1 5/8".
PICKETS: PICKETS SHALL BE A MINIMUM OF 3/4" SQUARE. TOP OF PICKETS MUST BE CRIMPED SPEAR POINTS. NO PICKET AT T E
TOP OF T E SLIDING GATE
INTERMEDIATE POST SHALL BE 2-1/2" SQUARE AT 8' INTERVALS. THE POST SHALL BE 6' HIGH EMBEDDED 3'. GATE POST SHALL BE 4"
EAC GATE RE IRES A GATE POST ON OT SIDES
STRENGT S PPORT A MINIM M OF 1000 PO NDS OF ERTICAL LOAD AT T E MIDPOINT OF AN ORI ONTAL RAIL EIG T MINIM M EIG T IS FEET
CLEARANCE MA IM M CLEARANCE IS INC ES

CHAIN LINK FENCE:

1 C AIN LINK MES " MES GA GE C AIN LINK FA RIC IT A CLASS INC COATING
LINE POSTS SHALL BE 2 3/8" SCHEDULE 40 HOT DIPPED ZINC COATED POSTS SPACED A MAXIMUM OF 10'-0" OC EMBEDDED 3'. THE POST SHALL HAVE A CAP.
TOP RAIL SHALL BE 2" SCHEDULE 40 HOT DIPPED ZINC RAILS IN LENGTHS GREATER THAN 18' CONNECTED WITH 6" CO PLINGS, SEC RED
TO T E C AIN LINK FA RIC IT GA GE OG RINGS SPACED NOT GREATER T AN 1 "
GATE FRAMES S ALL E FA RICATED FROM O D PIPING ELDED AT ALL CORNERS
GATE INGES S ALL E A MINIM M OF T REE AND S ALL E STR CT RALL CAPA LE OF S PPORTING T E GATE AND ALLO T E GATE TO OPEN 1 0 DEGREES
GATE LATC S ALL E A DROP AR ENGAGED TO STOP T E GATE IT PRO ISION FOR A PADLOCK

TRASH ENCLOSURE:

1 LOCATE INSIDE SEC RIT GATE AND O T OF IE OF MAIN TRAFFIC PATTERN ALLS S ALL E CONCRETE LOCK IT LACK IN L C AIN LINK WITH BLACK VINYL SLATS. SEE CHAIN LINK FENCE SECTION. CONCRETE PAD SHALL EXTEND OUT MIN 15' IN FRONT OF ENCLOS RE
LOCATE (2) 6" DIAMETER STEEL PIPE BOLLARDS ON THE INSIDE IN THE REAR AND (1) BOLLARD CENTERED ON EACH SIDE OF T E ENCLOS RE
SEE DET 1 , DET 1C, DET 1D

BOLLARD AND COVERS:

1 1/8" THICK POLYETHYLENE COVERS WITH DOMED TOPS DESIGNED TO FIT STANDARD 6" DIA. STEEL PIPE BOLLARDS, SAFET ELLO COLOR
"BOLLARDGARD" BY INNOPLAST, OR APPROVED SUBSTITUTE. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S INSTR CTIONS SEE DET 1A
OLLARDS ARE TO E LOCATED TO PROTECT AGAINST E IC LAR DAMAGE TO ILDING CORNERS, AC CONDENSERS, KE PADS, GATE, GATE OPERATORS, TRAS ENCLOS RES,

IF CONFLICTS E IST ET EEN T ESE NOTES AND NOTES ON PLAN S EETS, DEFER TO NOTES ON PLAN S EETS

T ESE NOTES AND SPECIFICATIONS ONL APPL IN T E E ENT T ERE ARE NO RISDICTIONAL SPECIFICATIONS

ALL ATER AND SE ER INFRASTR CT RE S ALL MEET T E RE IREMENTS SET FORT IN T E CIT OF A RN ATER RESO RCE MANAGEMENT DESIGN AND CONSTR CTION MAN AL

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AUBURN, LEE COUNTY, AL 36832
SECTION 12, TOWNSHIP 18 N, RANGE 25 E

SEAL:

REVISIONS	DATE
PERMIT SET	03/20/2019

PROJECT MANAGER:	SWT
DRAWING BY:	ZLR
JURISDICTION:	LEE COUNTY, AL
DATE:	12/21/2018
SCALE:	AS SHOWN

TITLE:
GENERAL CIVIL SPECS

SHEET NUMBER:
G-0.2

COMMENTS:
NOT RELEASED FOR CONSTRUCTION

JOB/FILE NUMBER:
1208.001