

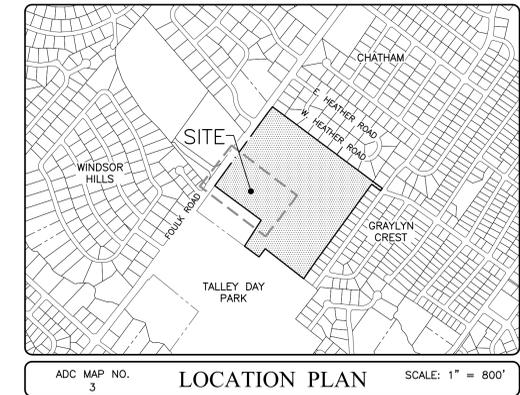
LEGEND	
EXISTING	PROPOSED
	BUILDING
	CONCRETE
	PAVEMENT RECONSTRUCTION
	PAVEMENT MILL OVERLAY
	CONCRETE WALL
	FENCE
	OVERHEAD ELECTRIC
	TREELINE
	LIGHT POLE
	MANHOLE
	CATCH BASIN
	FIRE HYDRANT
	WATER VALVE
	WATER VAULT
	POST
	UTILITY POLE
	SINGLE TREE
	SIGN
	FLOW PATH
N/A	N/A

CONSTRUCTION NOTES

- ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS OR CURRENT DELDOT STANDARD SPECIFICATIONS EXCEPT AS NOTED ON THIS PLAN.
- THE BIDDER IS REQUIRED TO EXAMINE CAREFULLY THE SITE OF THE WORK, THE PROPOSAL, PLANS, SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS FOR THE WORK CONTEMPLATED AND IT WILL BE ASSUMED THAT THE BIDDER IS FAMILIAR AND SATISFIED AS TO THE CHARACTER, QUALITY AND QUANTITIES OF WORK TO BE PERFORMED AND MATERIALS TO BE FURNISHED, AND AS TO THE REQUIREMENTS OF THESE SPECIFICATIONS, PLANS AND OTHER CONTRACT DOCUMENTS, AND THE BIDDER MUST BE PREPARED TO EXECUTE A FINISHED JOB IN EVERY PARTICULAR WITHOUT ANY EXTRA CHARGE WHATSOEVER, EXCEPT AS MAY BE SPECIFICALLY PROVIDED FOR ELSEWHERE IN THESE CONTRACT DOCUMENTS.
- THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THERETO APPURTENANT.
- THE CONTRACTOR SHALL ERECT SUFFICIENT BARRICADES AND TAKE NECESSARY SAFETY MEASURES TO PROTECT WORK AREAS. CONTRACTORS SHALL NOT DISRUPT DAILY OPERATIONS OR TRAFFIC FLOW WITHIN THE SITE EXCEPT WITH THE CONCUSSION OF THE OWNER. A DETAILED MAINTENANCE OF TRAFFIC PLAN SHALL BE SUBMITTED TO THE OWNER 7 DAYS PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL EXISTING CONDITIONS, LAYOUT DIMENSIONS, AND CLEARANCES SHOWN ON THE DRAWINGS. ANY DISCREPANCIES WITHIN THE DRAWINGS, EXISTING FIELD CONDITIONS, SPECIFICATIONS, CODES OR REGULATIONS ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL PROTECT ALL ADJOINING AND NEARBY BUILDINGS, EQUIPMENT, UTILITIES, STRUCTURES, FENCES, TREES AND SHRUBBERY, ETC., FROM DAMAGE DUE TO EXCAVATION, DEMOLITION, AND CONSTRUCTION DURING THE ENTIRE CONSTRUCTION PERIOD. ANY DAMAGE CAUSED DIRECTLY OR INDIRECTLY WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT ALL EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE DONE TO THEM DUE TO HIS NEGLIGENCE SHALL BE IMMEDIATELY AND COMPLETELY REPAIRED AT HIS EXPENSE.
- ALL MATERIAL STORAGE SHALL BE WITHIN THE PROPERTY BOUNDARIES AND NOT ON ADJOINING PROPERTIES.
- ALL EXCESS EXCAVATION AND ALL OLD PAVEMENT, BASE COURSE, BROKEN CONCRETE, ETC. SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE HAULED AWAY FROM THE SITE, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- ALL DISTURBED AREAS OUTSIDE OF PAVEMENT SHALL BE TOPSOILED WITH 6" TOPSOIL, SEEDING AND MULCHED. SEED MIXTURE SHALL MEET DELDOT SPECIFICATIONS FOR "PERMANENT GRASS SEEDING - SUBDIVISIONS."
- ALL HANDICAP PARKING SPACES, PAINT STRIPING AND APPLICABLE CIVIL STRUCTURES SHALL BE IN CONFORMANCE WITH THE STATE OF DELAWARE, ARCHITECTURAL ACCESSIBILITY BOARD STANDARDS.
- ALL PORTLAND CEMENT CONCRETE (PCC) FOR CURB, SIDEWALK, AND DRAINAGE STRUCTURES SHALL HAVE A COMPRESSIVE STRENGTH OF 3,000 PSI AFTER 28 DAYS UNLESS OTHERWISE NOTED.
- EROSION AND SEDIMENT CONTROL SHALL BE IN ACCORDANCE WITH THE LATEST REVISION OF THE DELAWARE EROSION AND SEDIMENT CONTROL HANDBOOK.

NOTES:

- OWNER: BRANDYWINE SCHOOL DISTRICT
1211 BRANDYWINE BLVD.
WILMINGTON, DE 19809
- SITE ADDRESS: 1400 FOULK ROAD
WILMINGTON, DE 19803
- MODIFIED GRID: 114/370
- TAX PARCEL NO.: 06-079.00-133
- SOURCE OF TITLE: DEED RECORD H-115-142
- ZONING: S - SUBURBAN
- AREA: 42.34± ACRES
- COUNCILMANIC DISTRICT: NO. 2
- SOURCE OF TOPOGRAPHY: AERIAL TOPOGRAPHY WAS PREPARED BY COOPER AERIAL SURVEYS CO., DATED OCTOBER 11, 2016. PARTIALLY UPDATED BY VANDERMAR & LYNCH, INC., THROUGH NOVEMBER 2016.
- DATUM: DELAWARE STATE PLANE - NAD 83
NATIONAL GEODETIC VERTICAL DATUM - NAVD 88
- WATER: CITY OF WILMINGTON
- SEWER: NEW CASTLE COUNTY



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Civil Engineers
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Wilmington, DE 19899

PROJECT
BSD - BRANDYWINE
HIGH SCHOOL
RENOVATIONS

1400 FOULK ROAD
WILMINGTON, DELAWARE 19803
OWNER
BRANDYWINE HIGH SCHOOL
1400 FOULK ROAD
WILMINGTON, DE 19803

MARK	DATE	DESCRIPTION
0	3-6-17	ISSUED FOR BIDS.GOV

PROJECT NO: 24370.00
FILE NAME: V&L NO. 24370.00-CONST-01
DRAWN BY: D. SHEEKY
CHECKED BY: S. ROSENFELD

SHEET TITLE
CONSTRUCTION PLAN

SCALE: 1" = 30'

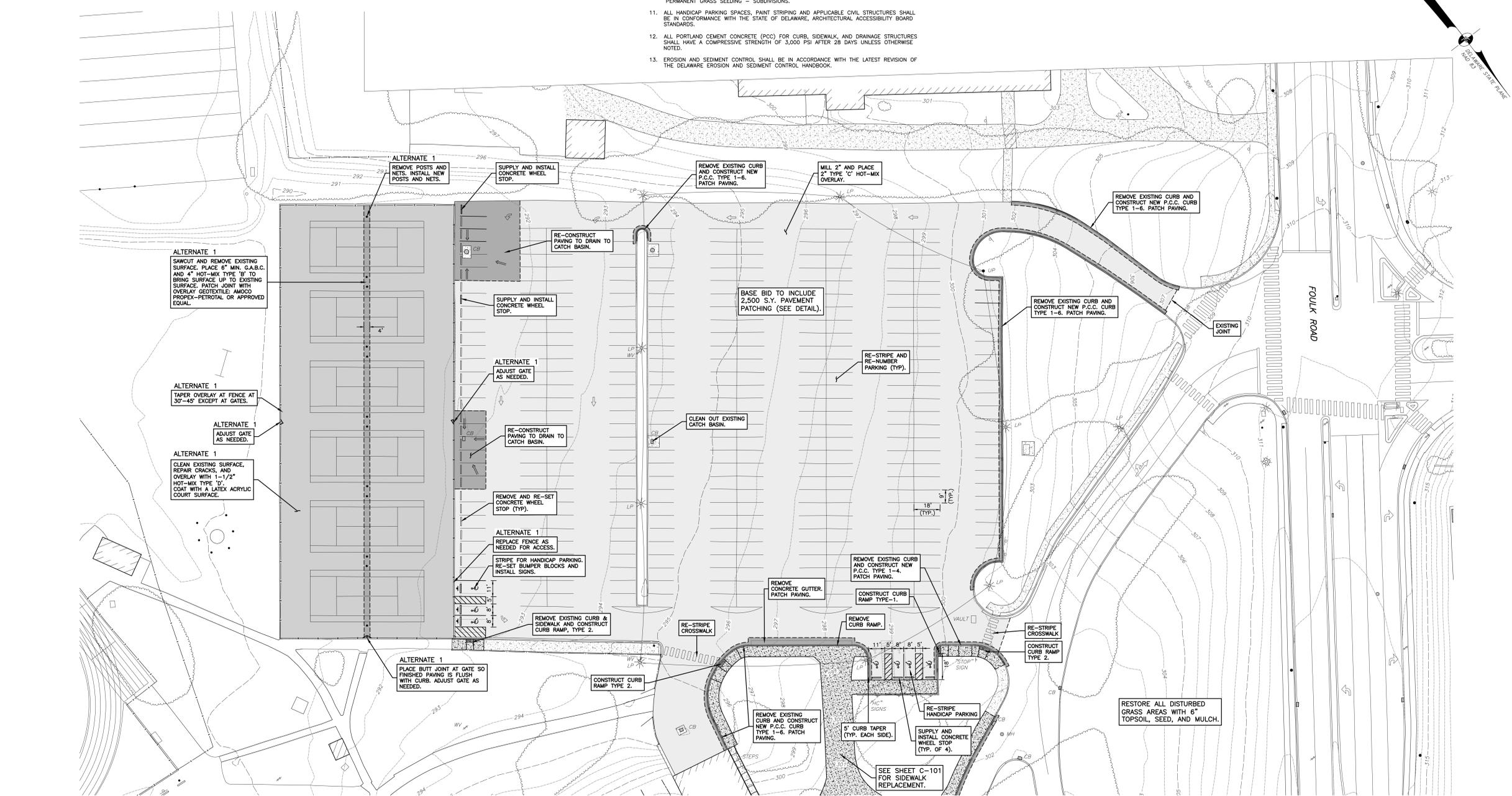
SHEET INDEX

SHEET TITLE	SHEET NO.
SITE CONSTRUCTION PLAN	C-100
GRADING DETAILS	C-101
SITE CONSTRUCTION DETAILS	C-102

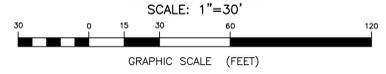
C-100

1 OF 3

24370.00-CONST-01



PLAN VIEW
SCALE: 1" = 30'



UTILITY NOTE:
EXISTING UTILITIES ARE SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE INFORMATION. COMPLETENESS OR CORRECTNESS THEREOF IS NOT GUARANTEED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONTACTING THE UTILITY COMPANIES INVOLVED TO SECURE THE MOST ACCURATE UTILITY LOCATION AND ELEVATION INFORMATION AVAILABLE. NO CONSTRUCTION AROUND OR ADJACENT TO UTILITIES SHALL BEGAIN WITHOUT NOTIFYING THEIR OWNERS AT LEAST TWO WORKING DAYS IN ADVANCE. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE AND ANY DAMAGE DONE TO THEM DUE TO THE CONTRACTORS' NEGLIGENCE SHALL BE IMMEDIATELY AND COMPLETELY REPAIRED AT THE CONTRACTORS' EXPENSE. TO LOCATE EXISTING UTILITIES IN THE FIELD PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT MISS UTILITY OF DELAWARE (TELEPHONE: 800-292-8555).

THE FOLLOWING UTILITIES HAVE BEEN IDENTIFIED BY MISS UTILITY (TICKET #162841042) AS HAVING UNDERGROUND FACILITIES IN THE AREA OF THIS PROJECT:

AT&T TRANSMISSION	COMCAST - UTILITYQUEST
VERIZON	NEW CASTLE COUNTY SPECIAL SVC
DELMARVA POWER	DELMARVA STATE HWY DEPT
DELMARVA POWER-GAS	CITY OF WILMINGTON
DE DEPT OF NAT RESOURCES & ENV	



REFER TO ELECTRICAL PLANS FOR SITE LIGHTING AND ELECTRICAL.

SEE SHEET C-102 FOR GENERAL CONSTRUCTION NOTES.

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PROJECT
**BSD- BRANDYWINE
HIGH SCHOOL
RENOVATIONS**

1400 FOULK ROAD
WILMINGTON, DELAWARE 19803
OWNER
BRANDYWINE HIGH SCHOOL
1400 FOULK ROAD
WILMINGTON, DE 19803

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PROJECT NO: 24370.00		
FILE NAME: V&L NO. 24370.00-CONST-01		
DRAWN BY: D. SHEEKY		
CHECKED BY: S. ROSENFELD		

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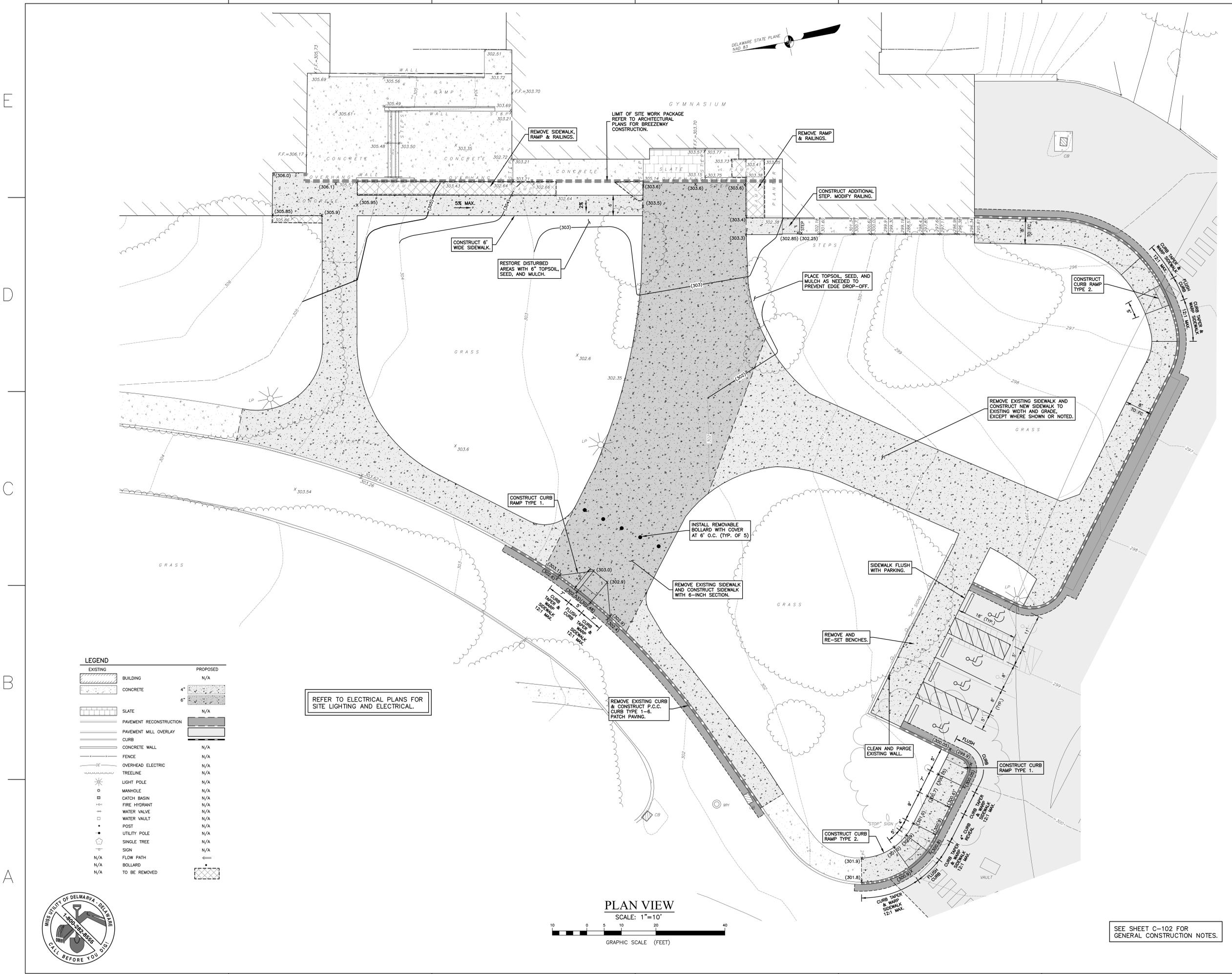
SHEET TITLE
GRADING DETAILS

SCALE: 1" = 10'

C-101

2 OF 3

24370.00-CONST-01



LEGEND

EXISTING	PROPOSED
	BUILDING N/A
	CONCRETE 4" N/A
	CONCRETE 6" N/A
	SLATE N/A
	PAVEMENT RECONSTRUCTION
	PAVEMENT MILL OVERLAY
	CURB
	CONCRETE WALL N/A
	FENCE N/A
	OVERHEAD ELECTRIC N/A
	TRELLINE N/A
	LIGHT POLE N/A
	MANHOLE N/A
	CATCH BASIN N/A
	FIRE HYDRANT N/A
	WATER VALVE N/A
	WATER VAULT N/A
	POST N/A
	UTILITY POLE N/A
	SINGLE TREE N/A
	SIGN N/A
	FLOW PATH N/A
	BOLLARD N/A
	TO BE REMOVED

REFER TO ELECTRICAL PLANS FOR SITE LIGHTING AND ELECTRICAL.

PLAN VIEW

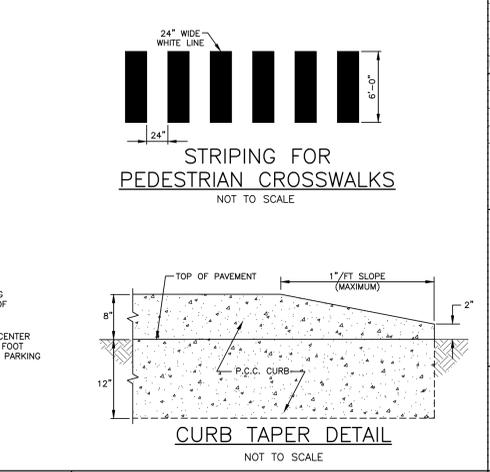
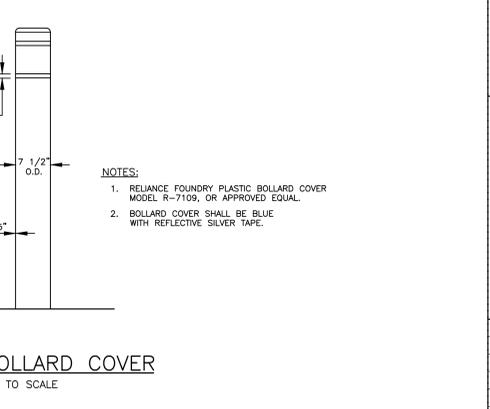
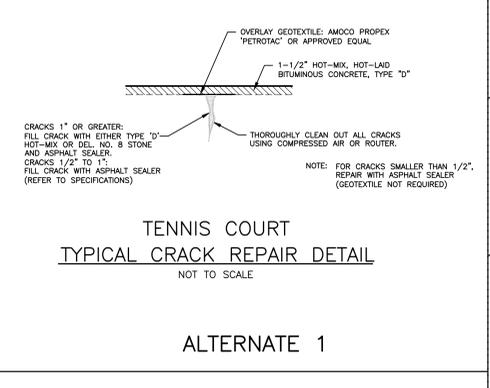
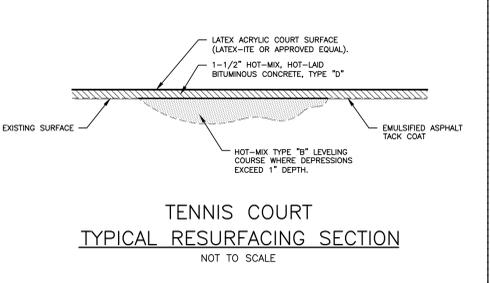
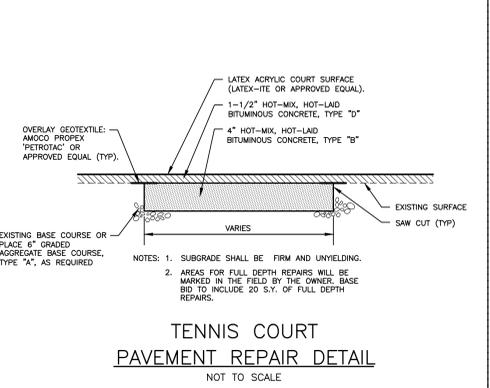
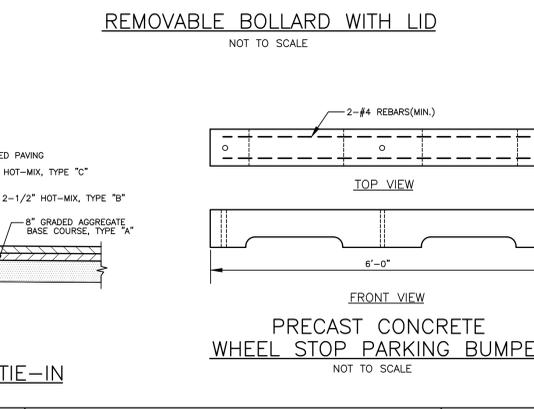
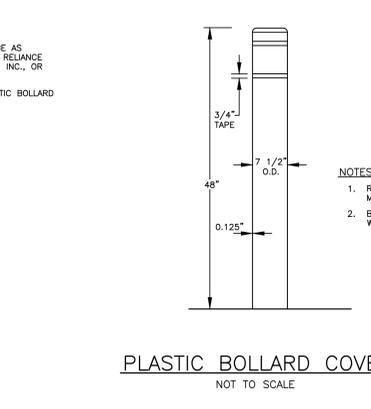
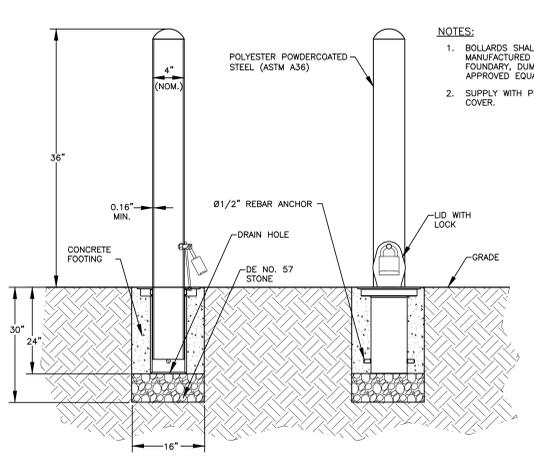
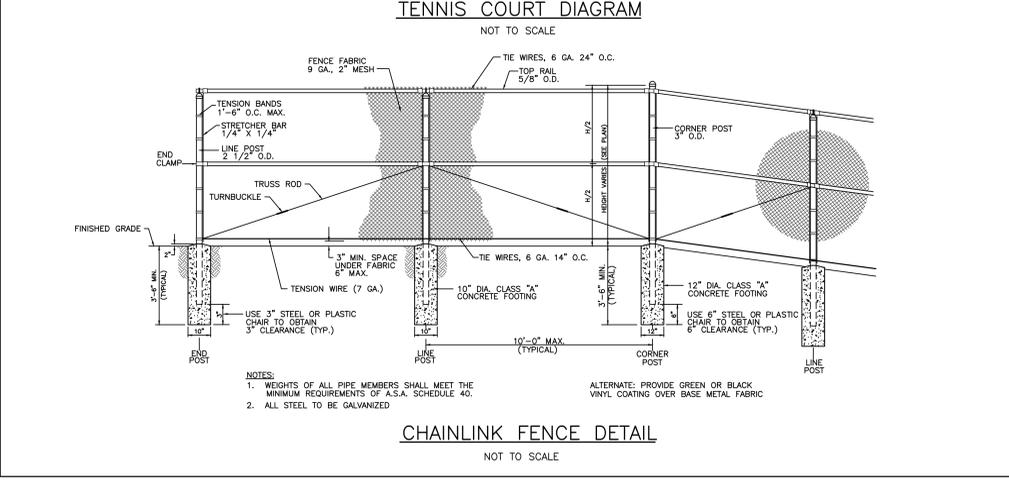
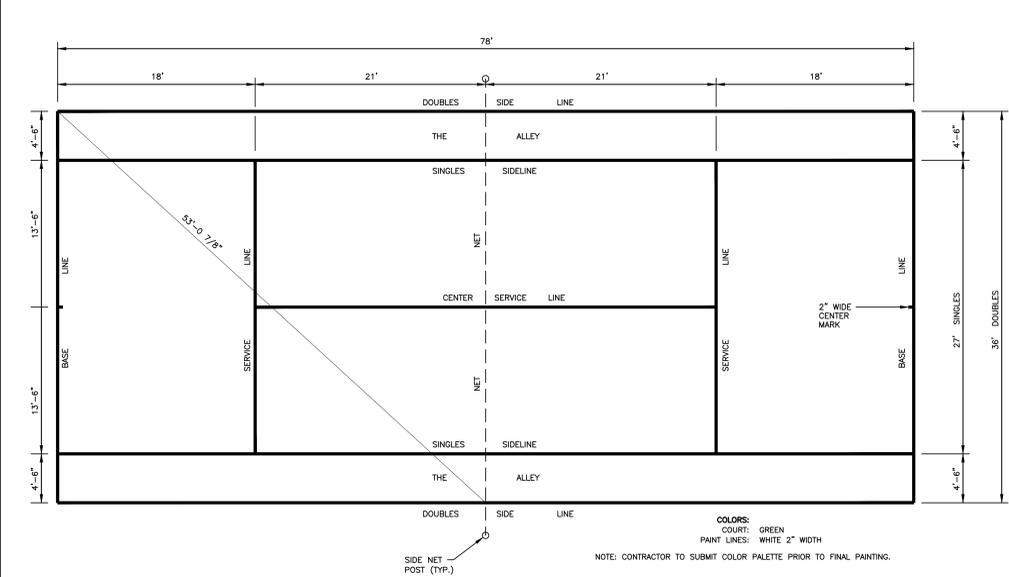
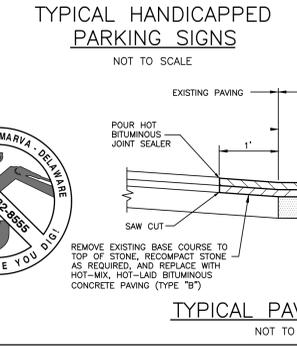
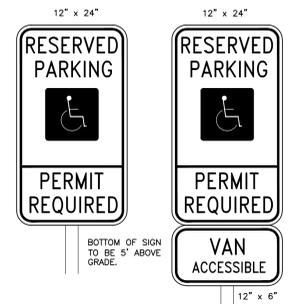
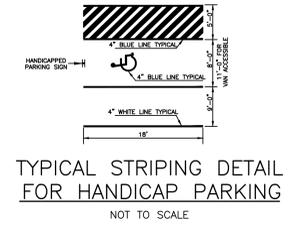
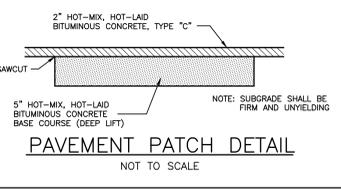
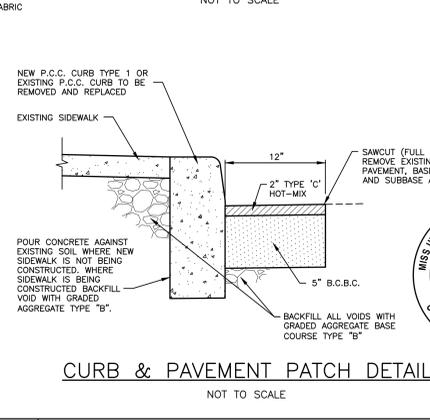
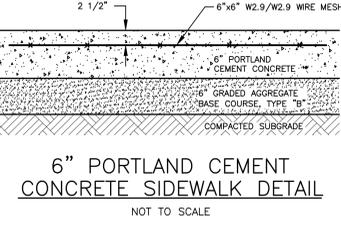
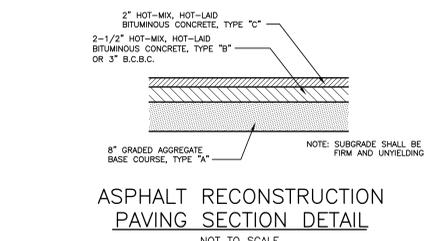
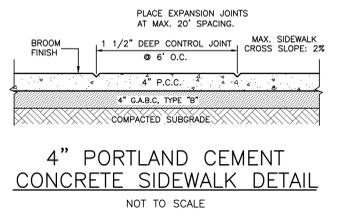
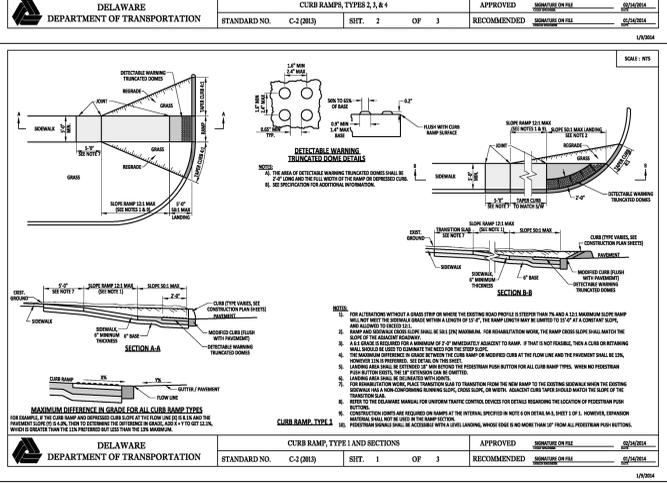
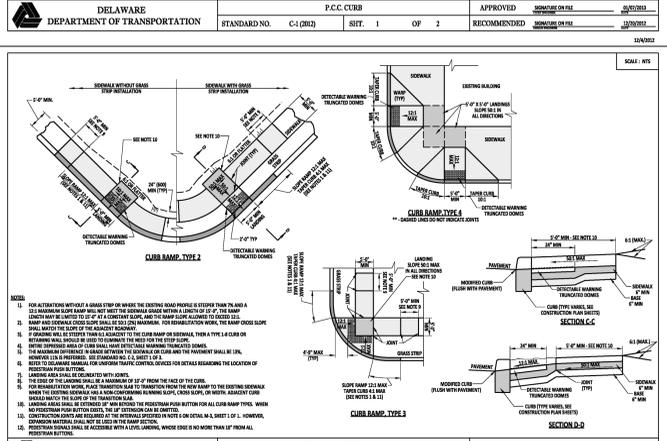
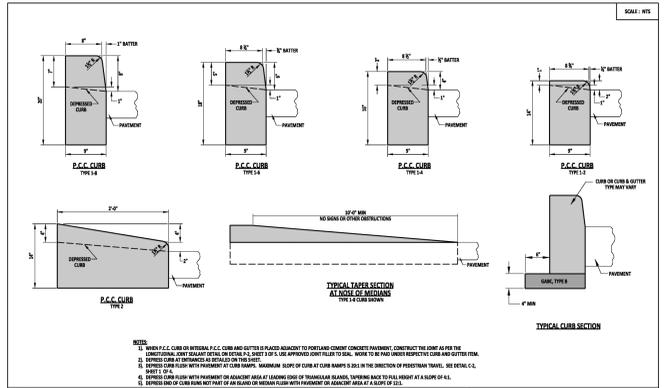
SCALE: 1" = 10'



SEE SHEET C-102 FOR GENERAL CONSTRUCTION NOTES.



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PROJECT
BSD- BRANDYWINE HIGH SCHOOL RENOVATIONS

1400 FOULK ROAD
 WILMINGTON, DELAWARE 19803
 OWNER
BRANDYWINE HIGH SCHOOL
 1400 FOULK ROAD
 WILMINGTON, DE 19803

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 PROJECT NO: 24370.00
 FILE NAME: V&L NO. 24370.00-DETAIL-01
 DRAWN BY: D. SHEEKY
 CHECKED BY: S. ROSENFELD
 SHEET TITLE
CONSTRUCTION DETAILS AND NOTES
 SCALE: AS SHOWN
C-102
 3 OF 3
 24370.00-CONST-01



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PROJECT
BRANDYWINE
SCHOOL DISTRICT
BRANDYWINE HIGH SCHOOL

OWNER

MARK DATE DESCRIPTION
PROJECT NUMBER: 16.029
FILE NAME:
DRAWN BY: DMG
CHECKED BY: SAJ

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SHEET TITLE
SITE PLAN
ELECTRICAL

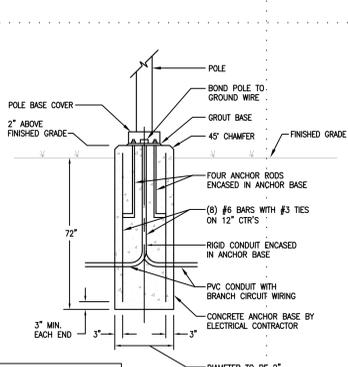
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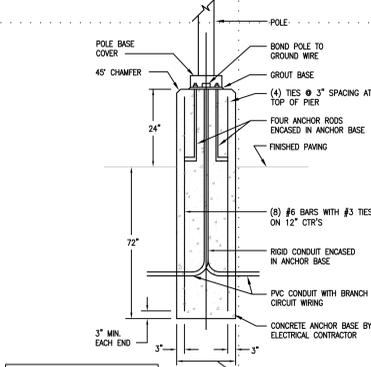
A3 SITE PLAN - ELECTRICAL
SCALE: 1" = 50'-0"

LIGHTING FIXTURE SCHEDULE												
TYPE	DESCRIPTION	LAMP	MANUFACTURER	CATALOG NUMBER	VOLTS	CONE	APPR. SIZE	MOUNTING				NOTES
								POLE	FINISH	RECESS	DEPTH	
A	POLE FIXTURE	107W LED	GARDDO	ECF-1-1-2-100LA-6453-NW-BRP-IS	208V			30"-0" SQUARE	BRONZE			LED POLE FIXTURE WITH TYPE 2 DISTRIBUTION.
B	POLE FIXTURE	107W LED	GARDDO	ECF-1-1-4-105LA-321A-NW-BRP-IS	208V			30"-0" SQUARE	BRONZE			SIMILAR TO TYPE "A" EXCEPT TYPE 4 DISTRIBUTION.
C	POLE FIXTURE	107W LED	GARDDO	ECF-2-3-105LA-321A-NW-BRP	208V			30"-0" SQUARE	BRONZE			SIMILAR TO TYPE "A" EXCEPT TYPE 3 DISTRIBUTION AND (2) FIXTURES MID AT 180".
D	POLE FLOOD LIGHT	139W LED	GARDDO	FX2160CZTRHMANASHN	208V				BRONZE			MID ON COMMON POLE W/ SITE LIT. SW FIXTURE TOWARD STORAGE ON FRONT OF BUILDING. PROVIDE ARM MOUNT OPTION.
E	CANOPY FIXTURE	55W LED	GARDDO	SFC-3-55LA-NW-UNV-NP-DL	120V							SURFACE MTD LED CANOPY LIGHT, 4.5" DEEP # 16" SQUARE



CONCRETE STRENGTH TO BE 4500 PSI WITH A MAXIMUM WATER/CEMENT RATIO OF .45 AND 6% AIR-ENTRAPMENT

REINFORCED ANCHOR BASE FOR FIXTURES IN GRASS AREAS
NOT TO SCALE



CONCRETE STRENGTH TO BE 4500 PSI WITH A MAXIMUM WATER/CEMENT RATIO OF .45 AND 6% AIR-ENTRAPMENT

REINFORCED ANCHOR BASE FOR FIXTURES IN PAVED AREAS
NOT TO SCALE

GENERAL SHEET NOTES:

- CONTRACTOR TO COORDINATE WITH LOCAL POWER COMPANY FOR THE REMOVAL OF THE EXISTING SITE LIGHT AND EXISTING POLES.
- CONTRACTOR RESPONSIBLE FOR ALL TRENCHING AND BACK FILLING FOR ALL WORK ASSOCIATED WITH NEW CONDUIT RUNS. RETURN TRENCH BACK TO ORIGINAL CONDITION.
- CONTRACTOR TO PROVIDE TIME CLOCK OF TYPE TORQ RATED 208V-SPOT, WITH BUZZER TYPE PHOTOCELL MOUNTED ON EXTERIOR WALL IN WEATHERPROOF BOX. MAKE ALL FINAL CONNECTIONS.
- CONTRACTOR TO DISCONNECT AND REMOVE (8) EXISTING SOW METAL HALIDE DOWN LIGHTS COMPLETE IN BREEZEWAY. WIRING TO REMAIN AND BE REUSED. PROVIDE STEEL PLATE TO COVER HOLE, PAINT TO MATCH CEILING PROVIDE (8) NEW TYPE "E" FIXTURES AND CONNECT BACK TO ORIGINAL CIRCUIT AND CONTROL.
- CONTRACTOR TO DISCONNECT AND REMOVE (4) EXISTING SOW METAL HALIDE DOWN LIGHTS COMPLETE AT CANOPY. WIRING TO REMAIN AND BE REUSED. PROVIDE STEEL PLATE TO COVER HOLE, PAINT TO MATCH CEILING PROVIDE (5) NEW TYPE "E" FIXTURES AND CONNECT BACK TO ORIGINAL CIRCUIT AND CONTROL.
- ALL HONE RUNS TO PANELS VIA ELECTRONICALLY HELD CONTACTORS OF TYPE SQUARE D CLASS 8000. PROVIDE (4) 2-POLE AT LOCAL PANELS. CONTACTORS TO BE MOUNTED IN NEMA-1 ENCLOSURES. COORDINATE WITH OWNER'S CONTROL CONTRACTOR TO-WH and PAY FOR ALL COSTS FOR ASSOCIATED WORK TO CONTROL SITE LIGHTING REMOTELY.
- CONTRACTOR TO DISCONNECT AND REMOVE ALL EXISTING POLE LIGHTING COMPLETE. REMOVE CONCRETE BASES. CONDUIT TO BE CUT BELOW GRADE AND ABANDONED.
- CONTRACTOR TO COORDINATE WITH LOCAL POWER COMPANY TO DISCONNECT AND REMOVE EXISTING SERVICE TO EXISTING SIGN COMPLETE.
- CONTRACTOR TO COORDINATE WITH LOCAL POWER COMPANY TO DISCONNECT AND REMOVE EXISTING SERVICE, POLES AND LIGHTING AT THE ENTRANCE AND AT STUDENT PARKING LOT COMPLETE. RESTORE AREA BACK TO ORIGINAL CONDITION.

CONDUIT AND WIRE SCHEDULE

MINIMUM SIZE WIRE AND CONDUIT SHALL BE 1-1/4" PVC CONDUIT AND #10 WIRING UNLESS OTHERWISE INDICATED

- ① 2#6 +#8 GND IN A 1-1/4" PVC CONDUIT.
- ② 2#8 +#10 GND IN A 1-1/4" PVC CONDUIT.
- ③ 2#10 +#10 GND IN A 1-1/4" PVC CONDUIT.
- ④ (2) 2#1 +#8 GND IN A 1-1/4" PVC CONDUIT.

ELECTRICAL SPECIFICATIONS

- ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, AND RULES AND REGULATIONS IN EFFECT. THE NATIONAL ELECTRICAL CODE SHALL REPRESENT THE MINIMUM REQUIREMENTS. THE CONTRACTOR SHALL ARRANGE AND PAY FOR ALL PERMITS, TESTS AND INSPECTIONS REQUIRED. FURNISH CERTIFICATE OF INSPECTION TO THE OWNER AT TIME OF COMPLETION.
- PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND SUPERVISION NECESSARY TO INSTALL A COMPLETE AND OPERATING ELECTRICAL SYSTEM AS INDICATED ON THE DRAWINGS AND AS SPECIFIED HEREIN.
- INSTALL ALL WORK IN A NEAT AND WORKMANLIKE MANNER. CUTTING AND PATCHING SHALL BE PERFORMED BY SKILLED TRENCHMEN NORMALLY EMPLOYED FOR THE WORK INVOLVED.
- PROVIDE ALL REQUIRED TESTS TO ASSURE THAT ALL SYSTEMS ARE FREE OF GROUNDS, OPENS AND SHORTS.
- ALL LABOR AND MATERIALS SHALL BE GUARANTEED TO BE FREE FROM DEFECTS FOR A PERIOD OF ONE YEAR OF OPERATION FROM DATE OF ACCEPTANCE BY THE OWNER.
- THE INTERPRETATION OF THE OWNER'S REPRESENTATIVE WILL BE FINAL IN THE EVENT THERE IS A LACK OF UNDERSTANDING OF THE FULL SCOPE OR REQUIREMENTS OF THE SYSTEMS UNDER THIS CONTRACT.
- ALL SERVICE INTERRUPTIONS TO THE ELECTRIC OR RELATED SYSTEMS, WHETHER DURING REGULAR WORKING HOURS OR AT ANY OTHER TIME, MUST BE COORDINATED WITH THE OWNER'S REPRESENTATIVE IN WRITING AHEAD OF TIME. ALL SUCH INTERRUPTIONS SHALL BE SO SCHEDULED AND PLANNED AS TO REQUIRE A MINIMUM OF TIME AND SHALL ONLY OCCUR ONLY DURING A MUTUALLY SATISFACTORY PERIOD.
- FASTENING OF EQUIPMENT, ETC. TO THE BUILDING CONSTRUCTION SHALL BE BY USE OF APPROVED LEAD SHEATHED EXPANSION BOLTS FOR MASONRY CONSTRUCTION OR A J-HOOK, LOCK WASHER AND NUT FOR NON-MASONRY CONSTRUCTION.
- FURNISH AND INSTALL ALL REQUIRED SUPPORTS AND HANGERS FOR EQUIPMENT. CONDUITS, DUCTS AND WIRWAYS SHALL BE PROPERLY SUPPORTED TO PREVENT SAG OR STRAIN. ALL CLASS 2 WIRING SPLICES, JUNCTIONS AND TERMINATIONS SHALL BE INSTALLED IN METALLIC BOXES.
- THE WORK OF ALL TRADES SHALL BE COORDINATED. NECESSARY OFFSETS TO ALLOW CLEARANCE, HEADROOM OR AVOID INTERFERENCE SHALL BE PROVIDED.
- SUBMIT SIX (6) COPIES OF SHOP DRAWINGS ON EACH PIECE OF EQUIPMENT TO THE OWNER'S REPRESENTATIVE FOR APPROVAL. CONTRACTOR SHALL KEEP ONE COPY OF APPROVED SHOP DRAWINGS AT THE JOB SITE.
- SUBSTITUTION OF AN EQUAL OR BETTER PRODUCT OTHER THAN THAT SPECIFIED SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW. THE ENGINEER'S DECISION TO ACCEPT OR REJECT SHALL BE FINAL.
- CONTRACTOR SHALL VISIT THE JOB SITE TO DETERMINE WHAT EXISTING CONDITIONS WILL BE ENCOUNTERED. SUBMITTAL OF A PROPOSAL SHALL INDICATE THAT THE CONTRACTOR IS AWARE OF ALL EXISTING CONDITIONS.
- EXCAVATION SHALL BE OF THE OPEN-TRENCH METHOD AND TO THE DEPTHS AND WIDTHS AS MAY BE NECESSARY. THE CONTRACTOR SHALL DO ALL EXCAVATION REQUIRED IN CONNECTION WITH HIS WORK. BOTTOMS OF TRENCHES SHALL BE EXCAVATED TO A UNIFORM GRADE. ALL MATERIALS EXCAVATED SHALL BE DEPOSITED ON THE SIDE OF THE TRENCHES AND BEYOND THE REACH OF THE SLIDES. EXCAVATED MATERIAL SHALL NOT BE PILED WHERE IT WILL INTERFERE WITH TRAFFIC.
- AFTER WORK IN TRENCHES HAS BEEN COMPLETED, THEY SHALL BE FILLED WITH GOOD, CLEAN, FINE GARTH IN 8" LAYERS AND SHALL BE PNEUMATICALLY TAMPED BEFORE THE NEXT LAYER OF MATERIAL HAS BEEN FILLED IN. THE BACKFILL SHALL BE FREE OF EXCAVATED ROCK, CINDERS, STONES, BRICKBATS OR OTHER DEBRIS. RESTORE GRASS AREA TO ORIGINAL CONDITION.
- PROVIDE PERMANENT IDENTIFICATION LABELS ON ALL NEW ELECTRICAL EQUIPMENT.
- THE DRAWINGS AND NOTES INDICATE THE MAJOR ITEMS OF WORK TO BE INCLUDED IN THIS CONTRACT, BUT THIS CONTRACT SHALL INCLUDE THE REMOVAL, RELOCATION, REPAIR, AND RENOVATION OF ANY CONDUIT, WIRE, BOXES, FIXTURES, ETC., EXPOSED OR CONCEALED IN THE EXISTING BUILDING WHICH WILL INTERFERE WITH THE WORK OF THIS CONTRACT.
- DEMOLITION WORK AT ALL TIMES SHALL BE SUBJECT TO THE DIRECTION AND APPROVAL OF THE OWNER'S REPRESENTATIVE AND IT SHALL BE CARRIED ON IN SUCH A MANNER AS NOT TO INTERFERE WITH THE OPERATION OF THE SYSTEMS. THE CONTRACTOR SHALL COOPERATE WITH THE OWNER'S REPRESENTATIVE DURING DEMOLITION SO THAT MATERIALS ARE PROMPTLY REMOVED AS THEY ARE UNCOVERED.
- BRANCH WIRING CONNECTIONS TO ALL LIGHTING FIXTURES, SWITCH AND RECEPTACLE DEVICES AND POWER WIRING CONNECTIONS TO ALL MOTORS AND ELECTRICALLY OPERATED EQUIPMENT SHALL BE INSTALLED IN ELECTRICAL METALLIC TUBING (EMT).
- RACEWAYS SHALL BE RIGID STEEL CONDUIT, INTERMEDIATE METAL CONDUIT, ELECTRICAL METALLIC TUBING, PVC CONDUIT FOR UNDERGROUND AND FLEXIBLE GALVANIZED STEEL FOR LIGHTING FIXTURE CONNECTION. MINIMUM SIZE CONDUIT SHALL BE 3/4".
- JUNCTION BOXES SHALL BE GALVANIZED SHEET STEEL AND PRESS STEEL BOXES WITH AMPLE SIZE AS REQUIRED BY N.E.C. WITH SCREW COVERS.
- WEATHERPROOF OUTLET BOXES SHALL HAVE SPRING-HINGED WATERPROOF COVER SUITABLY CONFIGURED FOR EACH APPLICATION, INCLUDING FACE PLATE GASKETS AND CORROSION-RESISTANT FASTENERS. BOXES AND DEVICES SHALL BE RECESSED, WEATHERPROOF WITH SMOKE OPAQUE IN-USE COVERS, INTERMATIC CAT. #WP1000(V)GRC OR APPROVED EQUAL.
- ALL CONDUCTORS SHALL BE COPPER WITH 600-VOLT THERMOPLASTIC MOISTURE RESISTANT INSULATION, SOLID #10 AND SMALLER, STRANDED #8 AND LARGER. MINIMUM WIRE SIZE #12 AWG. MC WIRING IS ACCEPTABLE FOR CONCEALED BRANCH CIRCUITING.
- BRANCH CIRCUITING CABLES SHALL BE FACTORY COLOR CODED, AND SHALL MATCH ESTABLISHED PHASE COLORS WHERE APPLICABLE.
- MOLDED CASE CIRCUIT BREAKERS SHALL BE FACTORY ASSEMBLED, MOLDED CASE CIRCUIT BREAKERS OF FRAME SIZE INDICATED. 240 VOLT, 60 HZ, ONE, TWO OR THREE POLES. BREAKER TO HAVE PERMANENT THERMAL INSTANTANEOUS MAGNETIC TRIPS IN EACH POLE WITH AMPERE RATINGS AS INDICATED. PROVIDE CIRCUIT BREAKERS TO MATCH EXISTING PANEL MANUFACTURER ON SITE, AL/CU RATED, AS MANUFACTURED BY SQUARE D, SIEMENS, CUTLER HAMMER, OR APPROVED EQUAL.

