

SOMERSET TENNIS COMPLEX RENOVATION

ST MARY'S COLLEGE OF MARYLAND
COLLEGE DRIVE
ST. MARY'S CITY, MD 20686

DRAWING NUMBER	DRAWING DESCRIPTION
CIVIL	
G001	COVER SHEET
G002	GENERAL NOTES AND LEGENDS SHEET
C001	EXISTING CONDITIONS PLAN
C002	DEMOLITION AND EROSION PLAN
C101	LAYOUT AND MATERIALS PLAN
C102	GRADING AND DRAINAGE PLAN
C501	DETAIL PLAN
C502	DETAIL PLAN
C503	DETAIL PLAN
C504	DETAIL PLAN
C505	DETAIL PLAN

PREPARED FOR:

ST. MARY'S COLLEGE OF MARYLAND
18952 E. FISHER ROAD
ST. MARY'S CITY, MD 20686

ENGINEER:

GALE ASSOCIATES INC.
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ALTAMONTE SPRINGS, FL 32714



SITE MAP
NOT TO SCALE



LOCATION MAP
NOT TO SCALE



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PROJECT
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OWNER
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NO.	DATE	DESCRIPTION	BY
PROJECT NO.	678356		
CADD FILE	678356_G001		
DESIGNED BY	PS/SCR		
DRAWN BY	SCR		
CHECKED BY	N/A		
DATE	07/13/2023		
DRAWING SCALE			

GRAPHIC SCALE

SHEET TITLE

COVER SHEET

DRAWING NO.

G001

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DEMOLITION NOTES

- DEMOLITION TO COMPLY WITH GOVERNING EPA NOTIFICATION REGULATIONS BEFORE STARTING SELECTIVE DEMOLITION. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION.
- THE OWNER MAY OCCUPY PORTIONS OF THE BUILDING IMMEDIATELY ADJACENT TO SELECTIVE DEMOLITION AREAS. CONDUCT SELECTIVE DEMOLITION SO THAT OWNERS'S OPERATIONS WILL NOT BE DISRUPTED. PROVIDE NOT LESS THAN 72 HOURS NOTICE TO OWNER OF ACTIVITIES (IF ANY) THAT MAY AFFECT THEIR OPERATIONS.
- SURVEY THE CONDITION OF THE SITE TO DETERMINE WHETHER REMOVING ANY ELEMENT MIGHT RESULT IN UNDESIRABLE DAMAGE OF ANY PORTION OF ADJACENT FACILITIES DURING SELECTIVE DEMOLITION.
- MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS.
- CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, PARKING LOTS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.
- CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS, FACILITIES, AND SITE IMPROVEMENTS TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AROUND SELECTIVE DEMOLITION AREA.
- USE WATER MIST AND OTHER SUITABLE METHODS TO LIMIT THE SPREAD OF DUST AND DIRT. COMPLY WITH GOVERNING ENVIRONMENTAL PROTECTION REGULATIONS.
- REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
- CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT, AND DEBRIS CAUSED BY SELECTIVE DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE START OF SELECTIVE DEMOLITION.
- DEMOLISH AND REMOVE EXISTING CONSTRUCTION ONLY TO THE EXTENT REQUIRED BY NEW CONSTRUCTION AND AS INDICATED. CONTRACTOR TO BE RESPONSIBLE FOR ANY CUTTING AND PATCHING THAT IS REQUIRED.
- PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE.
- BURNING MATERIALS ON SITE IS PROHIBITED.
- TRANSPORT DEMOLISHED MATERIALS OFF OWNER'S PROPERTY AND LEGALLY DISPOSE OF THEM, IF NOT DESIGNATED TO BE SALVAGED BY THE OWNER OR REUSED.
- IN AREAS WHERE BITUMINOUS CONCRETE IS TO BE REMOVED, THE EDGE OF ANY BITUMINOUS CONCRETE TO REMAIN MUST BE A CLEAN SAW-CUT EDGE.
- THE CONTRACTOR SHALL STOCKPILE EXISTING LOAM TO BE REUSED IN PROPOSED LOAM AND SEED AREAS.

EROSION CONTROL NOTES

- THE CONTRACTOR SHALL FILE A NOTICE OF INTENT SHOWING COMPLIANCE WITH THE NPDES CONSTRUCTION GENERAL PERMIT AS REQUIRED BY THE EPA AT LEAST 14 DAYS PRIOR TO GROUND BREAKING. NPDES PERMIT AND PLANS SHALL BE KEPT ON SITE FOR REVIEW AT ALL TIMES FOR THE DURATION OF CONSTRUCTION.
- ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STATE REGULATIONS AND ALL MUNICIPAL REGULATIONS AND PERMIT CONDITIONS.
- EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
- STOCKPILES SHALL BE SURROUNDED ON THEIR PERIMETERS WITH STAKED SILTATION FENCES TO PREVENT AND/OR CONTROL SILTATION AND EROSION. OTHERWISE SPOIL MATERIAL SHALL BE IMMEDIATELY REMOVED FROM THE SITE AND DISPOSED OF LEGALLY AND IN CONFORMANCE TO ALL MUNICIPAL REGULATIONS. NO STOCKPILING SHALL OCCUR WITHIN THE 100-FOOT WETLAND BUFFER.
- ALL EROSION CONTROL MEASURES SHALL BE ROUTINELY INSPECTED, CLEANED AND REPAIRED OR REPLACED AS NECESSARY THROUGHOUT ALL PHASES OF CONSTRUCTION. IN ADDITION, INSPECTION SHALL TAKE PLACE AFTER EACH RAINFALL EVENT AND BEFORE FORECASTED RAIN.
- ALL SEDIMENTS MUST BE REMOVED PRIOR TO REACHING THE EXISTING DRAINAGE SYSTEMS AND/OR ANY ENVIRONMENTAL RESOURCE AREAS.
- THE CONTRACTOR SHALL KEEP ON SITE AT ALL TIMES EXTRA SILTATION FENCING FOR INSTALLATION AT THE DIRECTION OF THE ENGINEER OR THE OWNER TO MITIGATE ANY EMERGENCY CONDITION.
- THE AREA OR AREAS OF ENTRANCE AND EXIT TO AND FROM THE SITE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED OUTSIDE OF CONSTRUCTION AREA MUST BE REMOVED IMMEDIATELY.
- SEDIMENT AND EROSION CONTROL DEVICES MAY BE ADDED OR REDUCED IN THE FIELD AS DIRECTED BY THE OWNER/ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR REESTABLISHING ANY SEDIMENT AND EROSION CONTROL DEVICES WHICH THEY DISTURB. THE CONTRACTOR SHALL NOTIFY THE OWNER/ENGINEER OF ANY DEFICIENCIES IN THE ESTABLISHED SEDIMENT AND EROSION CONTROL MEASURES WHICH MAY LEAD TO UNAUTHORIZED DISCHARGE OR STORM WATER POLLUTION, SEDIMENTATION OR OTHER POLLUTANTS. UNAUTHORIZED POLLUTANTS INCLUDE, BUT ARE NOT LIMITED TO, EXCESS CONCRETE DUMPING OR CONCRETE RESIDUE, POINTS, SOLVENTS, GREASES, FUEL AND LUBE OIL, PESTICIDES, AND SOLID WASTE MATERIALS.

GRADING NOTES

- ALL GRADING SHALL MEET THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) AND LOCAL BUILDING AND ACCESSIBILITY CODES. IN GENERAL, GRADING OF SIDEWALKS SHALL NOT EXCEED 2.0% CROSS SLOPE AND 5.0% RUNNING SLOPE. GRADING OF ADA PARKING STALLS AND LOADING ZONES SHALL NOT EXCEED 2.0% IN ANY DIRECTION AND GRADING OF PLAZA AND GATHERING AREAS SHALL NOT EXCEED 2.0% IN ANY DIRECTION. GRADING ON SIDEWALK CURB RAMPS AND OTHER ACCESSIBLE RAMPS SHALL NOT EXCEED 8.0%. ALL AREAS SHALL PROVIDE POSITIVE DRAINAGE AS TO NOT POOL WATER, MINIMUM SLOPES SHALL BE 1.0% UNLESS OTHERWISE NOTED.
- ALL PROPOSED CONTOURS ARE APPROXIMATE. PROPOSED SPOT ELEVATIONS AND DESIGNED GRADIENT ARE TO BE USED IN THE EVENT OF ANY DISCREPANCIES.
- GRADING SHALL BE PERFORMED TO ALLOW WATER TO FLOW AWAY FROM BUILDING STRUCTURES, AND TO NOT ALLOW PUDDLING OF WATER ANYWHERE ON SITE.
- MINOR ADJUSTMENTS TO FINISH GRADE TO ACCOMPLISH DRAINAGE FLOW ARE ACCEPTABLE, IF NECESSARY, UPON PRIOR APPROVAL OF ENGINEER.
- NEW PAVEMENT SHALL BE FLUSH AT ANY JUNCTURE WITH EXISTING PAVEMENT.
- ALL EXCAVATIONS SHOULD BE STABILIZED BY CUTTING BACK SIDE SLOPES OR USING SHORING AND BRACING AS REQUIRED. ALL EXCAVATION AND SHORING SHALL BE DONE IN ACCORDANCE WITH OSHA STANDARDS AND MGL CH. 149 SECT. 129A.
- ANY DEWATERING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. DISCHARGE OF SILTY OR OTHERWISE "DIRTY" WATER INTO DRAINAGE SYSTEM OR ANY BODY OF WATER, WETLAND OR RESOURCE AREA SHALL NOT BE PERMITTED.

GENERAL NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL CONTROL POINTS AND BENCH MARKS NECESSARY FOR THE WORK. ALL EXISTING CONTROL POINTS AND BENCHMARKS HAVE BEEN PROVIDED ON THE EXISTING CONDITIONS PLANS. ANY ADDITIONAL CONTROL POINTS SHALL BE ESTABLISHED AND MAINTAINED BY THE CONTRACTOR.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THESE PLANS, AND MUNICIPAL STANDARDS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A COPY OF THE MUNICIPAL STANDARDS AND REGULATIONS FOR USE ON THIS PROJECT.
- BARRICADING, TRAFFIC CONTROL, AND PROJECT SIGNS SHALL CONFORM TO ALL STATE AND LOCAL REGULATIONS. AREA ADJACENT TO THE PROJECT SITE WILL BE IN USE DURING CONSTRUCTION AT VARIOUS TIMES. THE CONTRACTOR WILL PROVIDE ADEQUATE CONSTRUCTION FENCING DURING EACH PHASE OF THE PROJECT TO FULLY SECURE THE PROPOSED SITE SUBJECT TO OWNER APPROVAL. THE FENCING MAY NEED ADJUSTMENT AT VARIOUS TIMES WITHOUT CONTRACT MODIFICATION.
- THE GENERAL CONTRACTOR SHALL VERIFY THE SUITABILITY OF ALL EXISTING AND PROPOSED SITE CONDITIONS INCLUDING GRADES AND DIMENSIONS BEFORE COMMENCEMENT OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS AND/OR CONNECTION FEES REQUIRED. PLEASE NOTE BUILDING, PLUMBING, AND ELECTRICAL PERMIT FEES WILL BE WAIVED BY THE CITY OF SPRINGFIELD, CONTRACTOR TO REQUEST WAIVER FROM THE CITY PROJECT MANAGER.
- GENERAL CONTRACTOR SHALL COORDINATE WITH OTHER TRADES AS APPLICABLE INCLUDING BUT NOT LIMITED TO ELECTRICAL, LIGHTING, AND GAS. THE CONTRACTOR ACKNOWLEDGES THAT ANOTHER CONTRACTOR WILL BE UNDER A SEPARATE CONTRACT. THE CONTRACTOR WILL COORDINATE HIS EFFORTS IN GOOD FAITH, AND WORK IN HARMONY WITH THE OTHER CONTRACTOR. NO EXTRA WILL BE AWARDED DUE TO CONFLICTS BETWEEN CONTRACTORS.
- SUBSTITUTIONS AND APPROVAL OF "OR-EQUAL" PRODUCTS IN PLACE OF THOSE SPECIFIED WILL NOT BE ALLOWED WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER OR ENGINEER.

GENERAL UTILITY NOTES

- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AND STRUCTURES AS SHOWN ON THESE PLANS IS BASED ON RECORD PLANS AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY, ANY GOVERNING PERMITTING AUTHORITY, AND "DIGSAFE" AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST EXACT FIELD LOCATION OF UTILITIES.
- THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES INTERFERING WITH THE PROPOSED CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLAN.
- TRENCH EXCAVATIONS SHALL BE IN ACCORDANCE WITH ALL PROVISIONS OF OSHA PART 1926. SUBPART P -EXCAVATIONS, TRENCHES AND SHORING OF THE OCCUPATIONAL SAFETY AND HEALTH'S STANDARDS AND NECESSARY TRENCH SAFETY PLANS TO THE ENGINEER AND MUNICIPAL FOR REVIEW PRIOR TO COMMENCING CONSTRUCTION.
- ALL DRAIN, WATER AND SANITARY SEWER PIPES INSTALLED WITHIN 10 FEET OF THE BUILDING (BY OTHERS) MUST BE PERMITTED AND INSTALLED BY A MASSACHUSETTS LICENSED PLUMBER.
- CONTRACTOR SHALL VERIFY ALL EXISTING INVERTS AND RIM ELEVATIONS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL ADJUST ALL UTILITY CASTINGS TO BE FLUSH WITH PROPOSED GRADE UNLESS OTHERWISE INDICATED ON PLAN.
- THE CONTRACTOR SHALL FIELD COORDINATE WITH THE ELECTRICAL ENGINEER TO DETERMINE EXACT POINT OF SERVICE CONNECTION. REFER TO THE SITE ELECTRICAL DRAWINGS FOR UTILITY SERVICE ENTRANCE LOCATIONS, SIZES, AND CIRCUITING.
- LIFTING HOLES ON CONCRETE STRUCTURES SHALL BE FILLED WITH MORTAR.

LANDSCAPING NOTES

- PLANTS SHALL BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS AND DISEASE.
- PLANTS SHALL BE CONTAINER GROWN OR BALLED AND BURLAPPED.
- TREES SHALL BE STRAIGHT-TRUNKED AND FULL-HEADED AND MEET ALL REQUIREMENTS SPECIFIED.
- PLANTS ARE SUBJECT TO THE APPROVAL OF THE OWNER'S REPRESENTATIVE BEFORE, DURING, AND AFTER INSTALLATION.
- TREES SHALL BE GUYED OR STAKED AS SHOWN IN THE DETAILS.
- PLANTING AREAS SHALL BE COMPLETELY MULCHED AS SPECIFIED.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE LANDSCAPE CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTING (INCLUDING BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) OF THE PLANTING AREAS AND LAWN UNTIL THE WORK IS ACCEPTED IN TOTAL BY THE OWNER/ENGINEER PER STANDARDS DETAILED IN SPECIFICATION SECTION 32 92 50.
- A SATISFACTORY STAND OF GRASS WHICH IS ACCEPTABLE IS DEFINED AS CONSISTING OF A UNIFORM STAND OF AT LEAST 60% ESTABLISHED, PERMANENT GRASS SPECIES, FREE OF WEED SPECIES AND NO BARE SPOTS (FREE OF GERMINATING GRASS), PER STANDARDS DETAILED IN SPECIFICATION SECTION 32 92 50.
- THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR BEGINNING ON THE DATE OF TOTAL ACCEPTANCE. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE OR AT THE END OF THE GUARANTEE PERIOD.
- AFTER BEING DUG AT THE NURSERY SOURCE, ALL TREES IN LEAF SHALL BE ACCLIMATED FOR TWO (2) WEEKS UNDER A MIST SYSTEM PRIOR TO INSTALLATION.
- ANY PLANT MATERIAL WHICH DIES, TURNS BROWN, OR DEFOLIATES (PRIOR TO TOTAL ACCEPTANCE OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS.
- STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
- ALL SHRUB, GROUND COVER AND SEASONAL COLOR ANNUAL PLANTING BEDS ARE TO BE COMPLETELY COVERED WITH HARDWOOD MULCH TO A MINIMUM DEPTH OF FOUR INCHES.



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DRAWING SCALE			

GRAPHIC SCALE

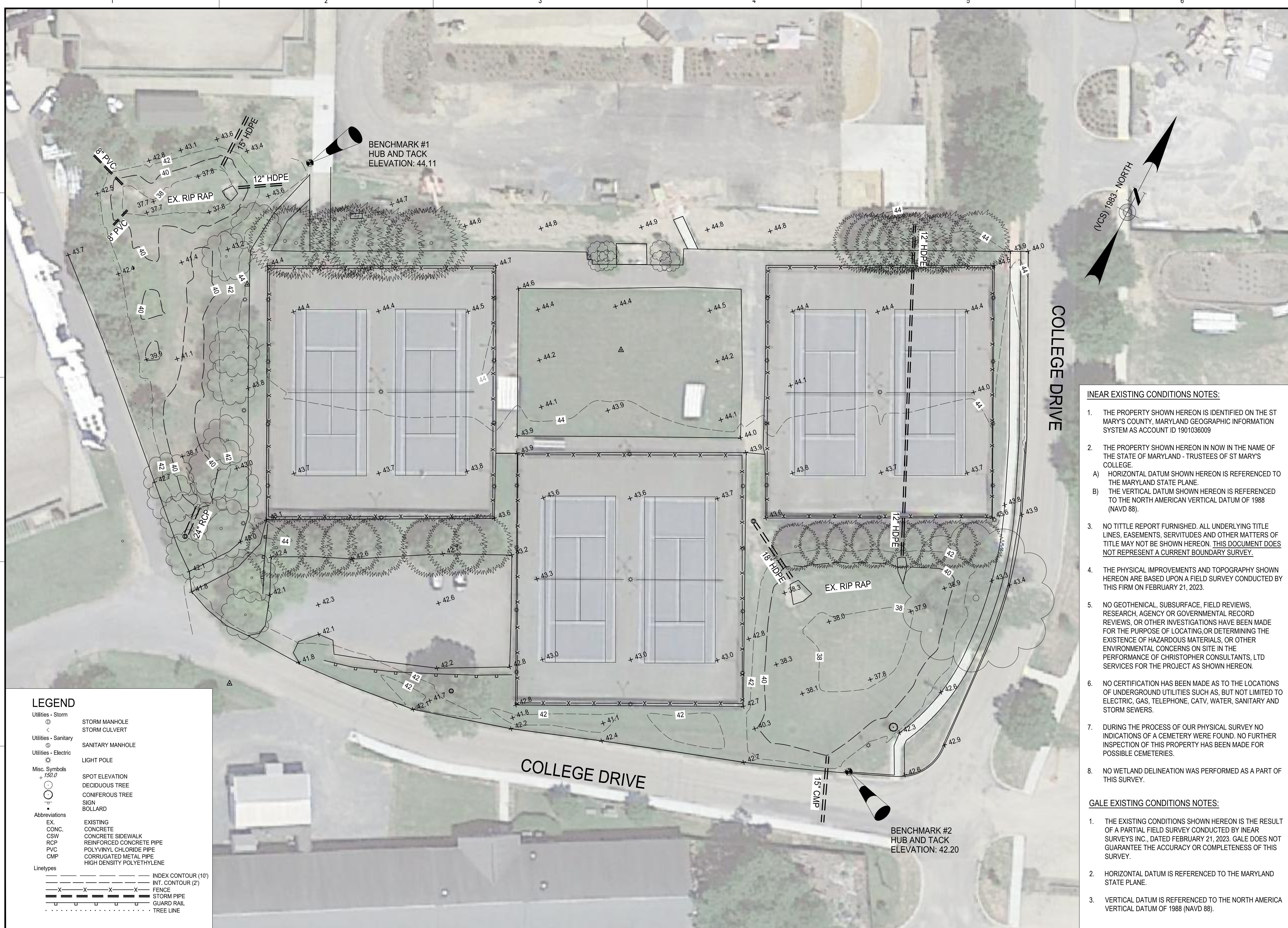
SHEET TITLE

NOTES AND LEGEND

DRAWING NO.

G002

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GALE
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 COLLEGE DRIVE
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PROJECT OWNER
 ST. MARY'S COLLEGE OF MARYLAND
 18952 E. FISHER ROAD
 ST. MARY'S CITY, MARYLAND 20686

INEAR EXISTING CONDITIONS NOTES:

- THE PROPERTY SHOWN HEREON IS IDENTIFIED ON THE ST MARY'S COUNTY, MARYLAND GEOGRAPHIC INFORMATION SYSTEM AS ACCOUNT ID 1901036009
- THE PROPERTY SHOWN HEREON IS NOW IN THE NAME OF THE STATE OF MARYLAND - TRUSTEES OF ST MARY'S COLLEGE.
 - HORIZONTAL DATUM SHOWN HEREON IS REFERENCED TO THE MARYLAND STATE PLANE.
 - THE VERTICAL DATUM SHOWN HEREON IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- NO TITLE REPORT FURNISHED. ALL UNDERLYING TITLE LINES, EASEMENTS, SERVITUDES AND OTHER MATTERS OF TITLE MAY NOT BE SHOWN HEREON. THIS DOCUMENT DOES NOT REPRESENT A CURRENT BOUNDARY SURVEY.
- THE PHYSICAL IMPROVEMENTS AND TOPOGRAPHY SHOWN HEREON ARE BASED UPON A FIELD SURVEY CONDUCTED BY THIS FIRM ON FEBRUARY 21, 2023.
- NO GEOTECHNICAL, SUBSURFACE, FIELD REVIEWS, RESEARCH, AGENCY OR GOVERNMENTAL RECORD REVIEWS, OR OTHER INVESTIGATIONS HAVE BEEN MADE FOR THE PURPOSE OF LOCATING OR DETERMINING THE EXISTENCE OF HAZARDOUS MATERIALS, OR OTHER ENVIRONMENTAL CONCERNS ON SITE IN THE PERFORMANCE OF CHRISTOPHER CONSULTANTS, LTD SERVICES FOR THE PROJECT AS SHOWN HEREON.
- NO CERTIFICATION HAS BEEN MADE AS TO THE LOCATIONS OF UNDERGROUND UTILITIES SUCH AS, BUT NOT LIMITED TO ELECTRIC, GAS, TELEPHONE, CATV, WATER, SANITARY AND STORM SEWERS.
- DURING THE PROCESS OF OUR PHYSICAL SURVEY NO INDICATIONS OF A CEMETERY WERE FOUND. NO FURTHER INSPECTION OF THIS PROPERTY HAS BEEN MADE FOR POSSIBLE CEMETERIES.
- NO WETLAND DELINEATION WAS PERFORMED AS A PART OF THIS SURVEY.

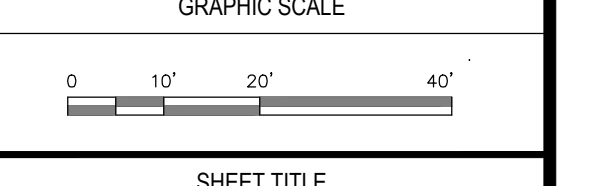
GALE EXISTING CONDITIONS NOTES:

- THE EXISTING CONDITIONS SHOWN HEREON IS THE RESULT OF A PARTIAL FIELD SURVEY CONDUCTED BY INEAR SURVEYS INC., DATED FEBRUARY 21, 2023. GALE DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THIS SURVEY.
- HORIZONTAL DATUM IS REFERENCED TO THE MARYLAND STATE PLANE.
- VERTICAL DATUM IS REFERENCED TO THE NORTH AMERICA VERTICAL DATUM OF 1988 (NAVD 88).

LEGEND

Utilities - Storm	STORM MANHOLE
Utilities - Sanitary	STORM CULVERT
Utilities - Electric	SANITARY MANHOLE
Misc. Symbols	LIGHT POLE
	SPOT ELEVATION
	DECIDUOUS TREE
	CONIFEROUS TREE
	SIGN
	BOLLARD
Abbreviations	EXISTING
EX.	CONCRETE
CONC.	CONCRETE SIDEWALK
CSW	REINFORCED CONCRETE PIPE
RCP	POLYVINYL CHLORIDE PIPE
PVC	CORRUGATED METAL PIPE
CMP	HIGH DENSITY POLYETHYLENE
Linetypes	INDEX CONTOUR (10')
	INT. CONTOUR (2')
	FENCE
	STORM PIPE
	GUARD RAIL
	TREE LINE

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EXISTING CONDITIONS PLAN

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C001
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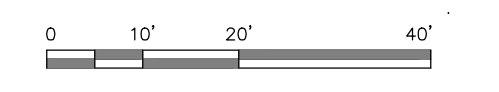
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GRAPHIC SCALE



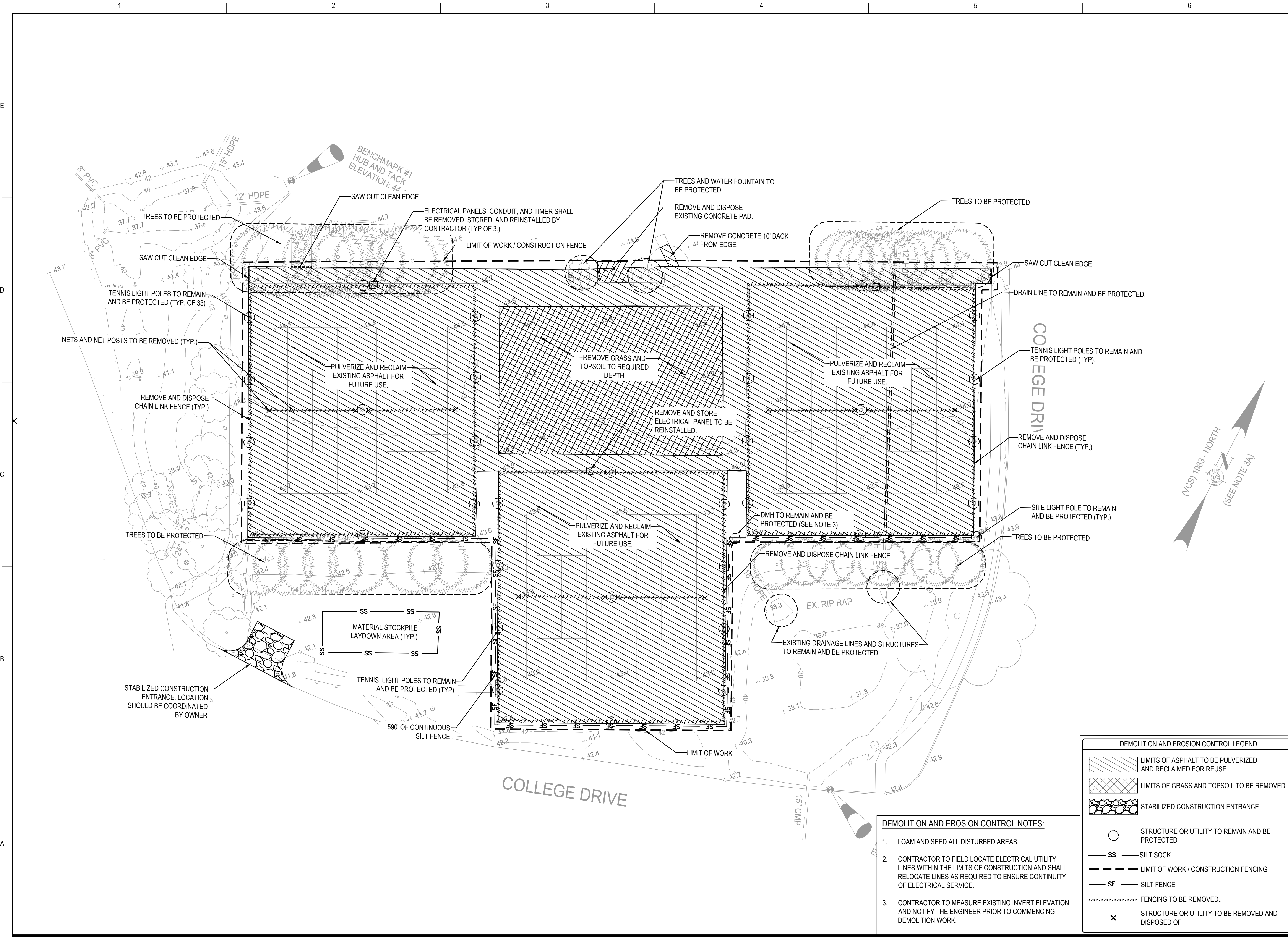
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DEMOLITION AND EROSION CONTROL PLAN

DRAWING NO.

C002

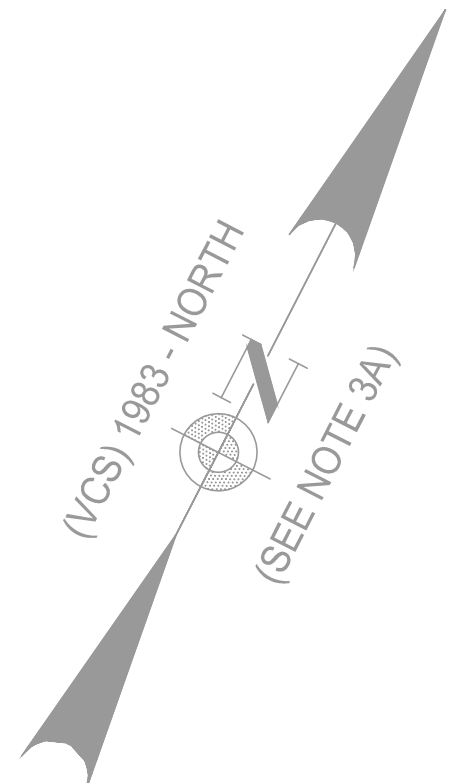
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- DEMOLITION AND EROSION CONTROL NOTES:**
- LOAM AND SEED ALL DISTURBED AREAS.
 - CONTRACTOR TO FIELD LOCATE ELECTRICAL UTILITY LINES WITHIN THE LIMITS OF CONSTRUCTION AND SHALL RELOCATE LINES AS REQUIRED TO ENSURE CONTINUITY OF ELECTRICAL SERVICE.
 - CONTRACTOR TO MEASURE EXISTING INVERT ELEVATION AND NOTIFY THE ENGINEER PRIOR TO COMMENCING DEMOLITION WORK.

DEMOLITION AND EROSION CONTROL LEGEND

- LIMITS OF ASPHALT TO BE PULVERIZED AND RECLAIMED FOR REUSE
- LIMITS OF GRASS AND TOPSOIL TO BE REMOVED.
- STABILIZED CONSTRUCTION ENTRANCE
- STRUCTURE OR UTILITY TO REMAIN AND BE PROTECTED
- SILT SOCK
- LIMIT OF WORK / CONSTRUCTION FENCING
- SILT FENCE
- FENCING TO BE REMOVED.
- STRUCTURE OR UTILITY TO BE REMOVED AND DISPOSED OF



F:\678356 - St Marys MD - Tennis\plans\108-Bid Set\01-Bid Plans\678356_C002.dwg, C002



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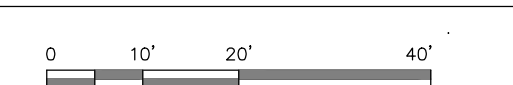
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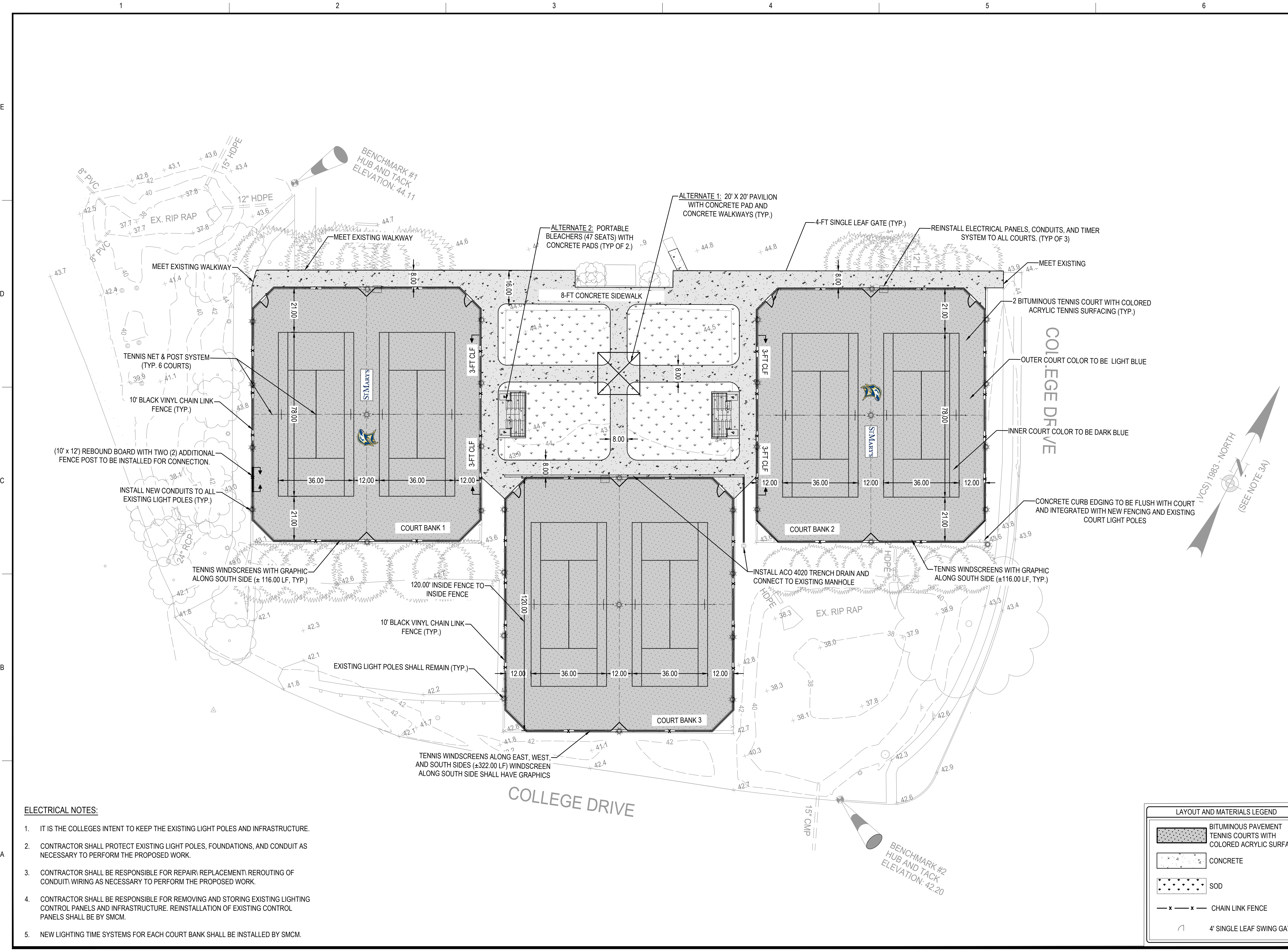
SHEET TITLE

LAYOUT AND MATERIALS PLAN

DRAWING NO.

C101

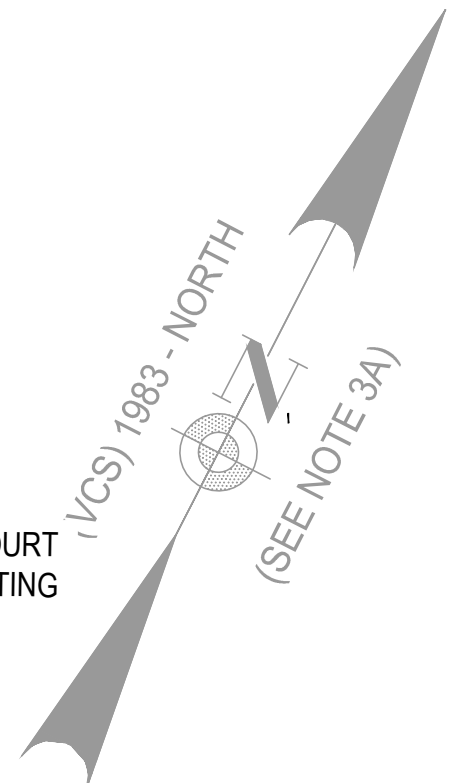
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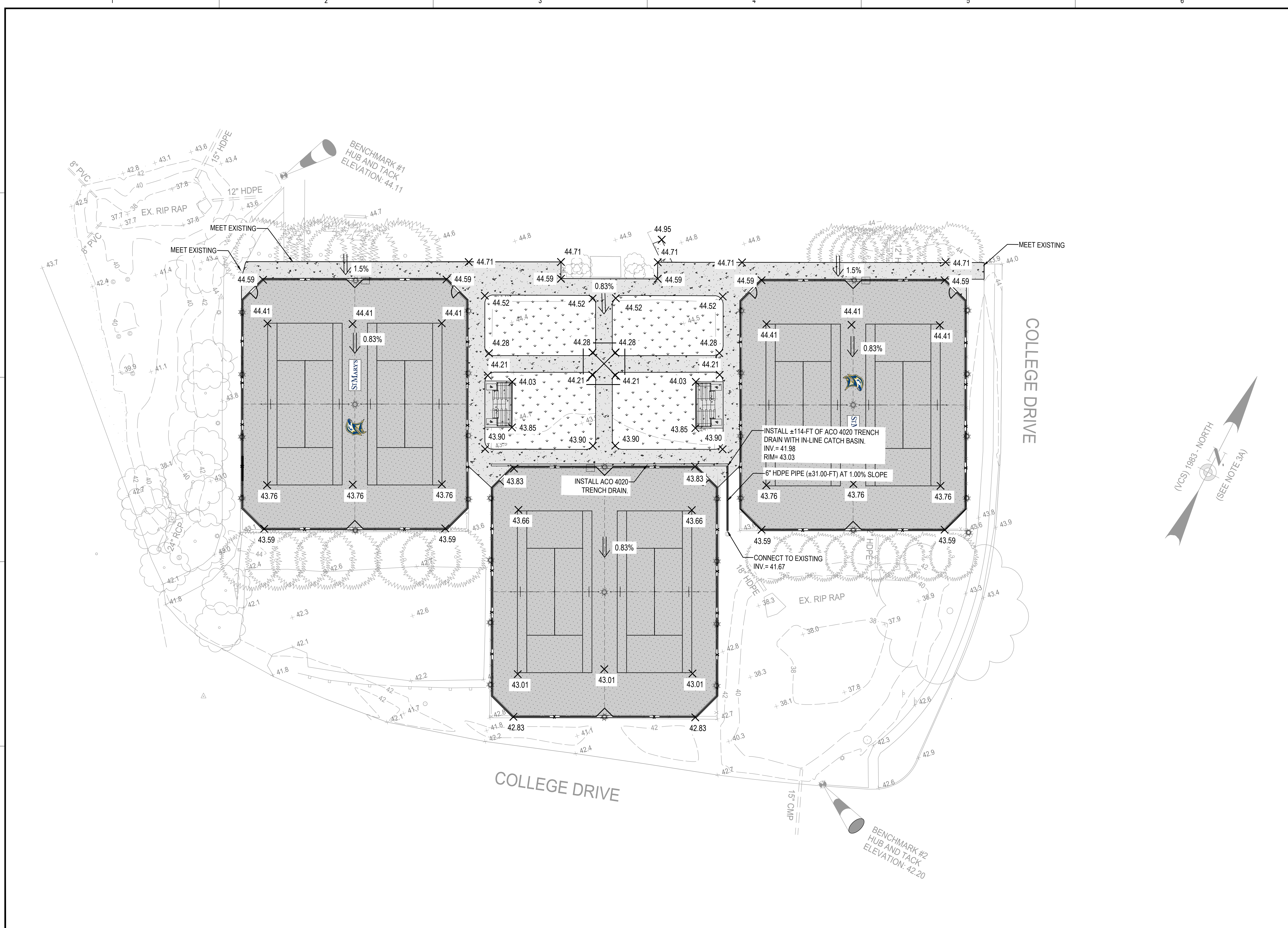


- ELECTRICAL NOTES:**
- IT IS THE COLLEGES INTENT TO KEEP THE EXISTING LIGHT POLES AND INFRASTRUCTURE.
 - CONTRACTOR SHALL PROTECT EXISTING LIGHT POLES, FOUNDATIONS, AND CONDUIT AS NECESSARY TO PERFORM THE PROPOSED WORK.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR/ REPLACEMENT/ REROUTING OF CONDUIT/ WIRING AS NECESSARY TO PERFORM THE PROPOSED WORK.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND STORING EXISTING LIGHTING CONTROL PANELS AND INFRASTRUCTURE. REINSTALLATION OF EXISTING CONTROL PANELS SHALL BE BY SMCM.
 - NEW LIGHTING TIME SYSTEMS FOR EACH COURT SHALL BE INSTALLED BY SMCM.

LAYOUT AND MATERIALS LEGEND

- BITUMINOUS PAVEMENT TENNIS COURTS WITH COLORED ACRYLIC SURFACE
- CONCRETE
- SOD
- CHAIN LINK FENCE
- 4' SINGLE LEAF SWING GATE





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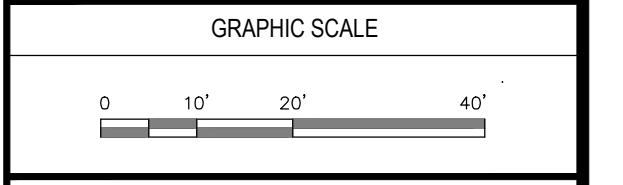
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BID SET

PROJECT
SOMERSET TENNIS COMPLEX RENOVATION
ST. MARY'S COLLEGE OF MARYLAND
COLLEGE DRIVE
ST. MARY'S CITY, MD 20686

OWNER
ST. MARY'S COLLEGE OF MARYLAND
18952 E. FISHER ROAD
ST. MARY'S CITY, MARYLAND 20686

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	678356		
CADD FILE	678356_C102		
DESIGNED BY	PS/SCR		
DRAWN BY	SCR		
CHECKED BY	N/A		
DATE	07/13/2023		
DRAWING SCALE	1" = 20'		

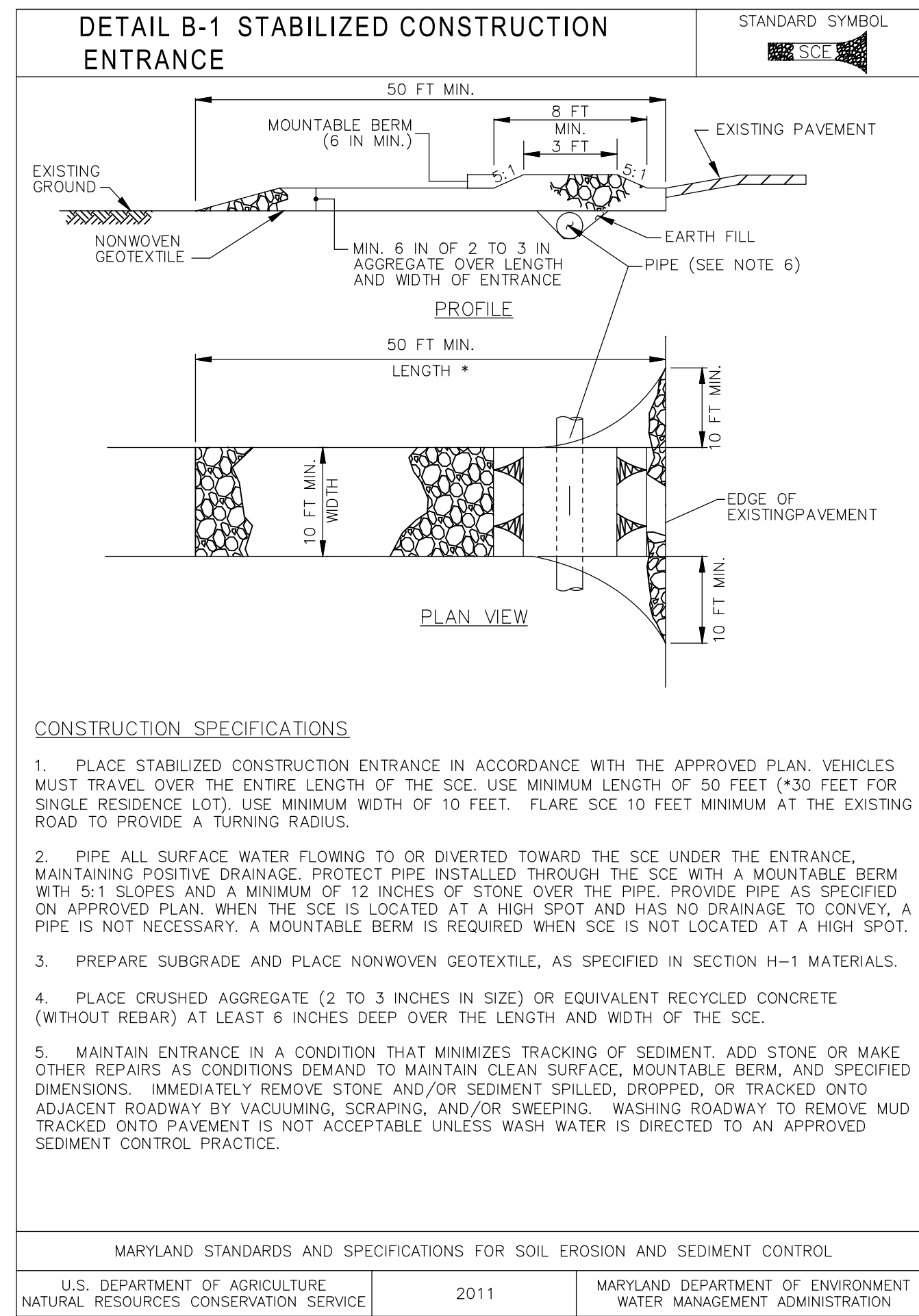


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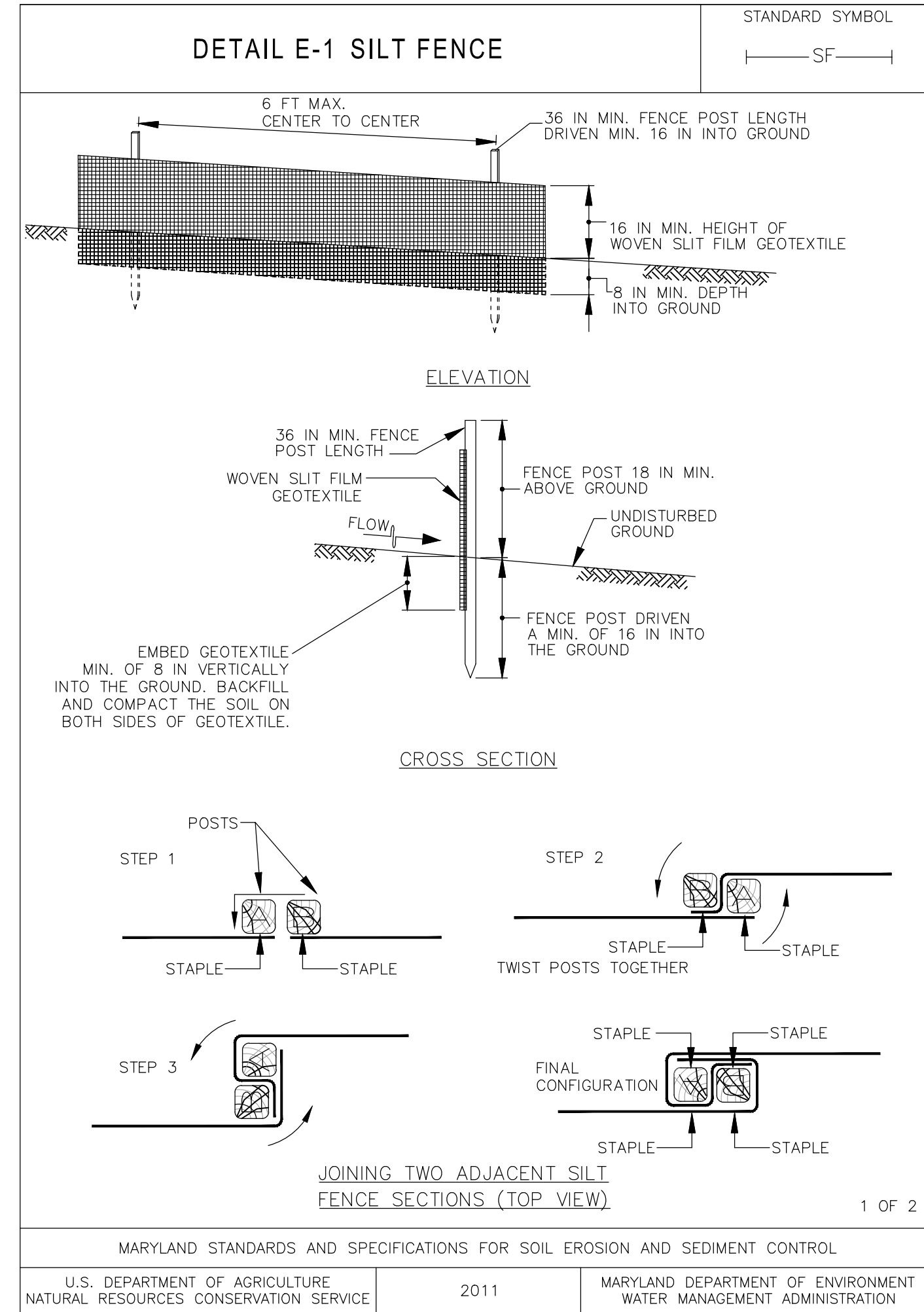
GRADING AND DRAINAGE PLAN

DRAWING NO.
C102
 6 OF 11

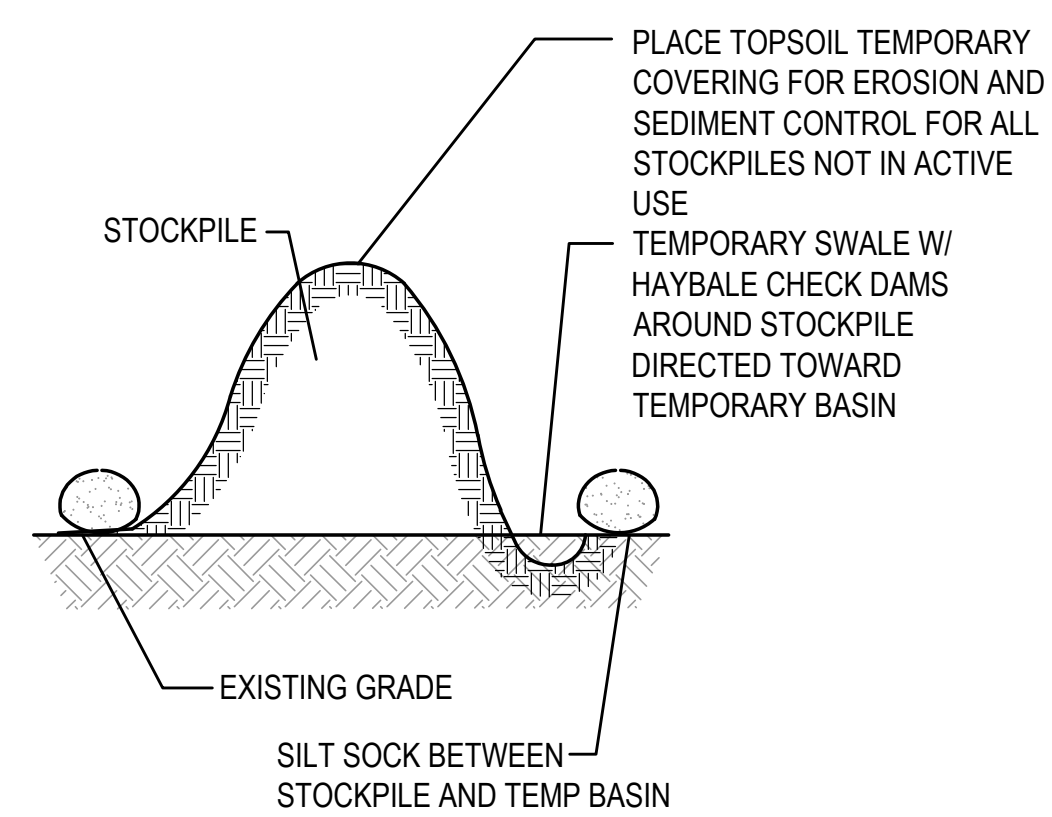
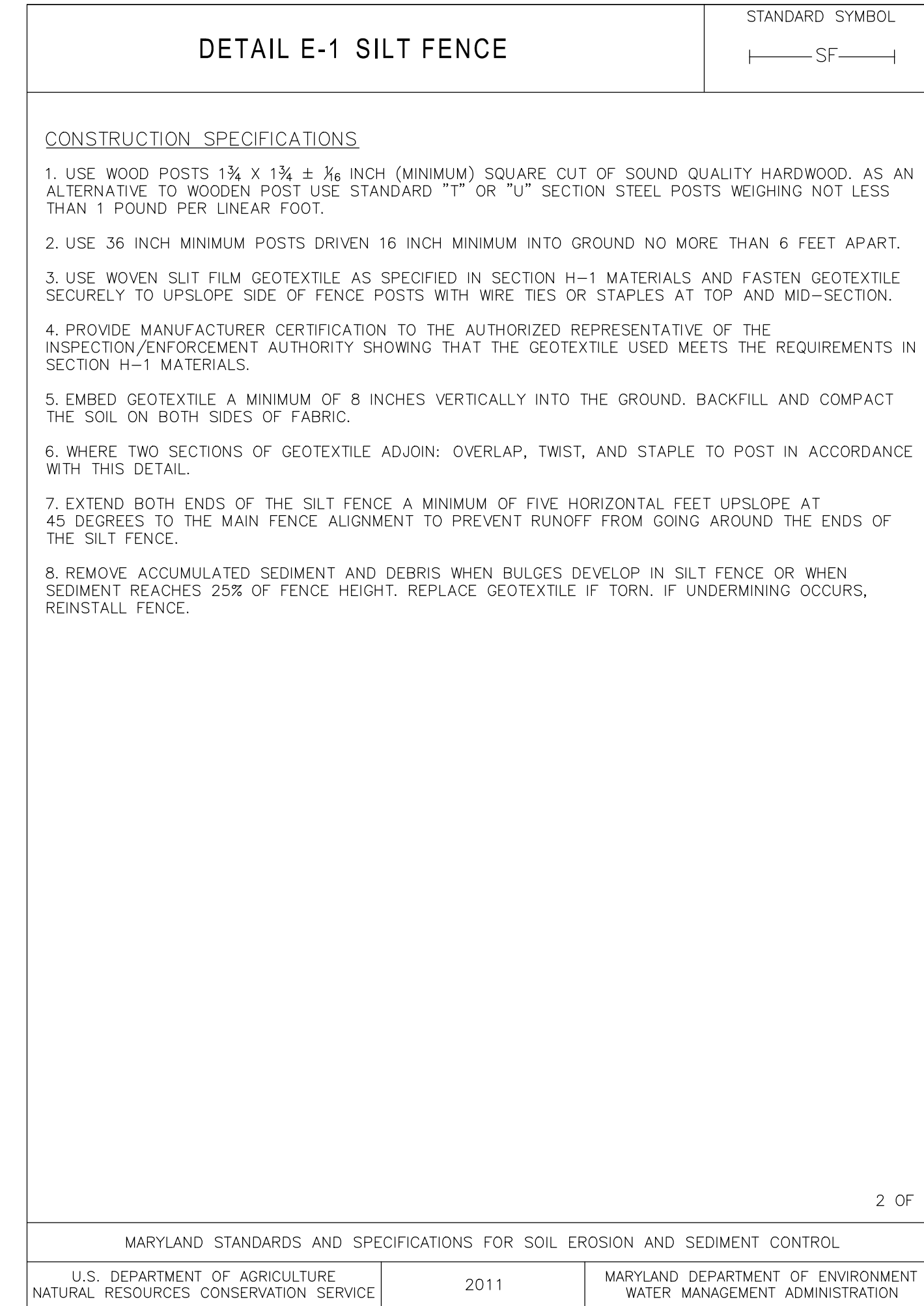
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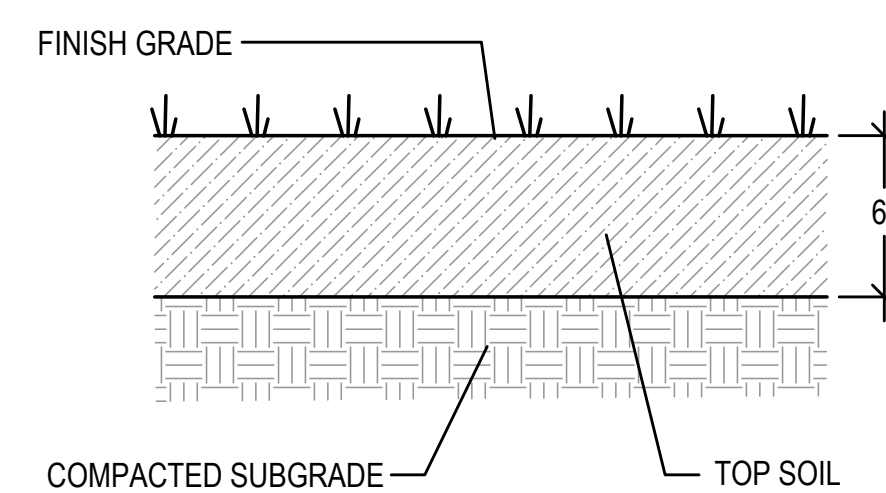
1 STABILIZED CONSTRUCTION ENTRANCE
N.T.S.



2 SILTATION FENCE
N.T.S.



3 MATERIAL STOCKPILE AREA
N.T.S.



4 TOPSOIL AND SEEDING DETAIL (DISTURBED AREAS)
N.T.S.



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CHECKED BY	N/A		
DATE	07/13/2023		
DRAWING SCALE	N.T.S.		

GRAPHIC SCALE

SHEET TITLE

DETAIL SHEET
1 OF 5

DRAWING NO.

C501

7 OF 11

1

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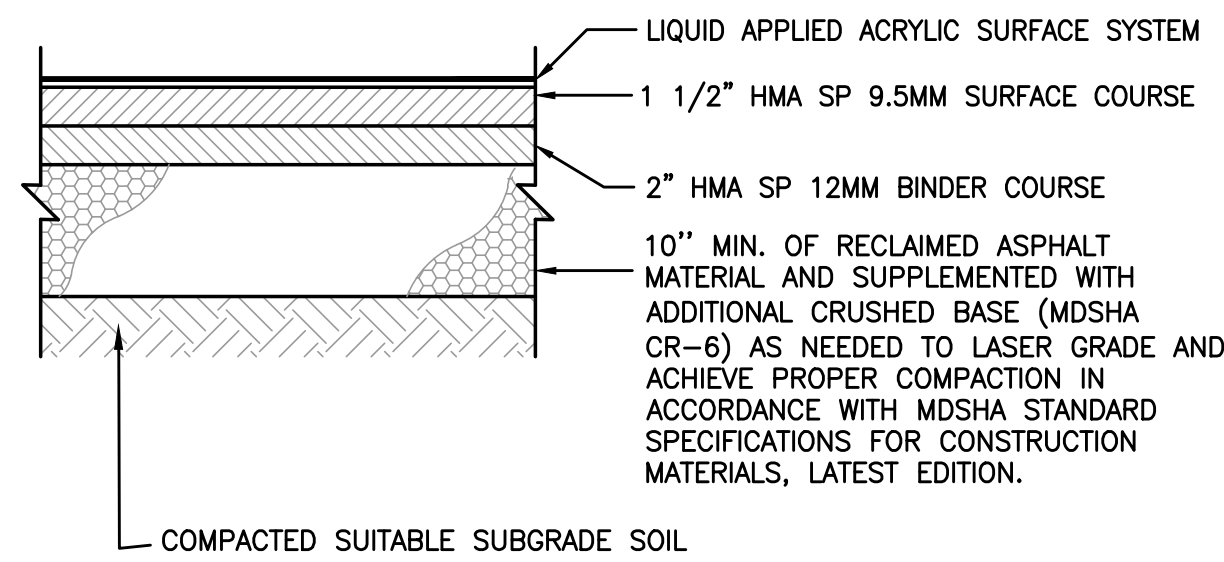
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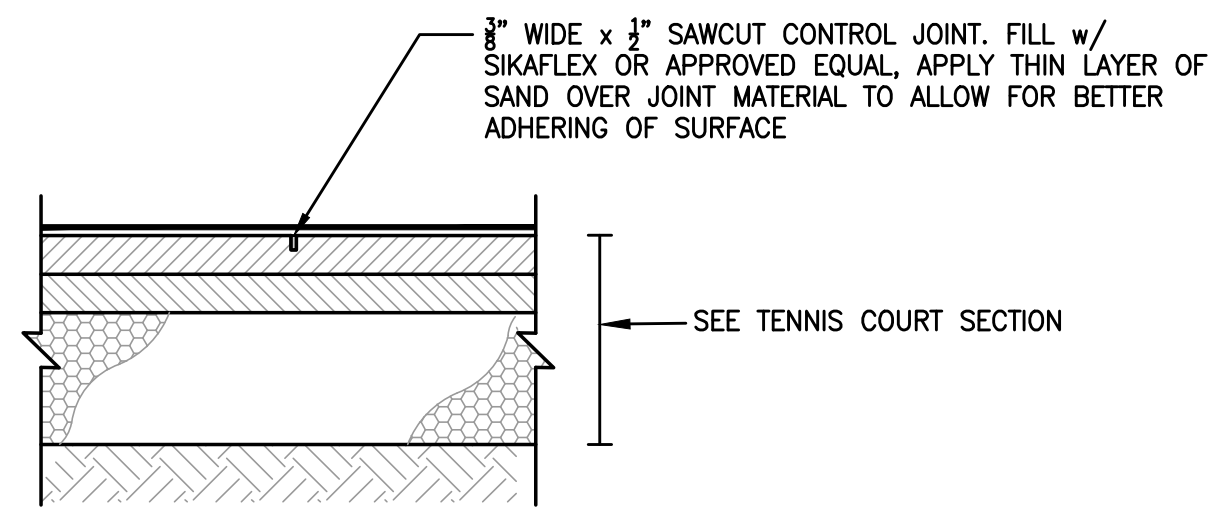
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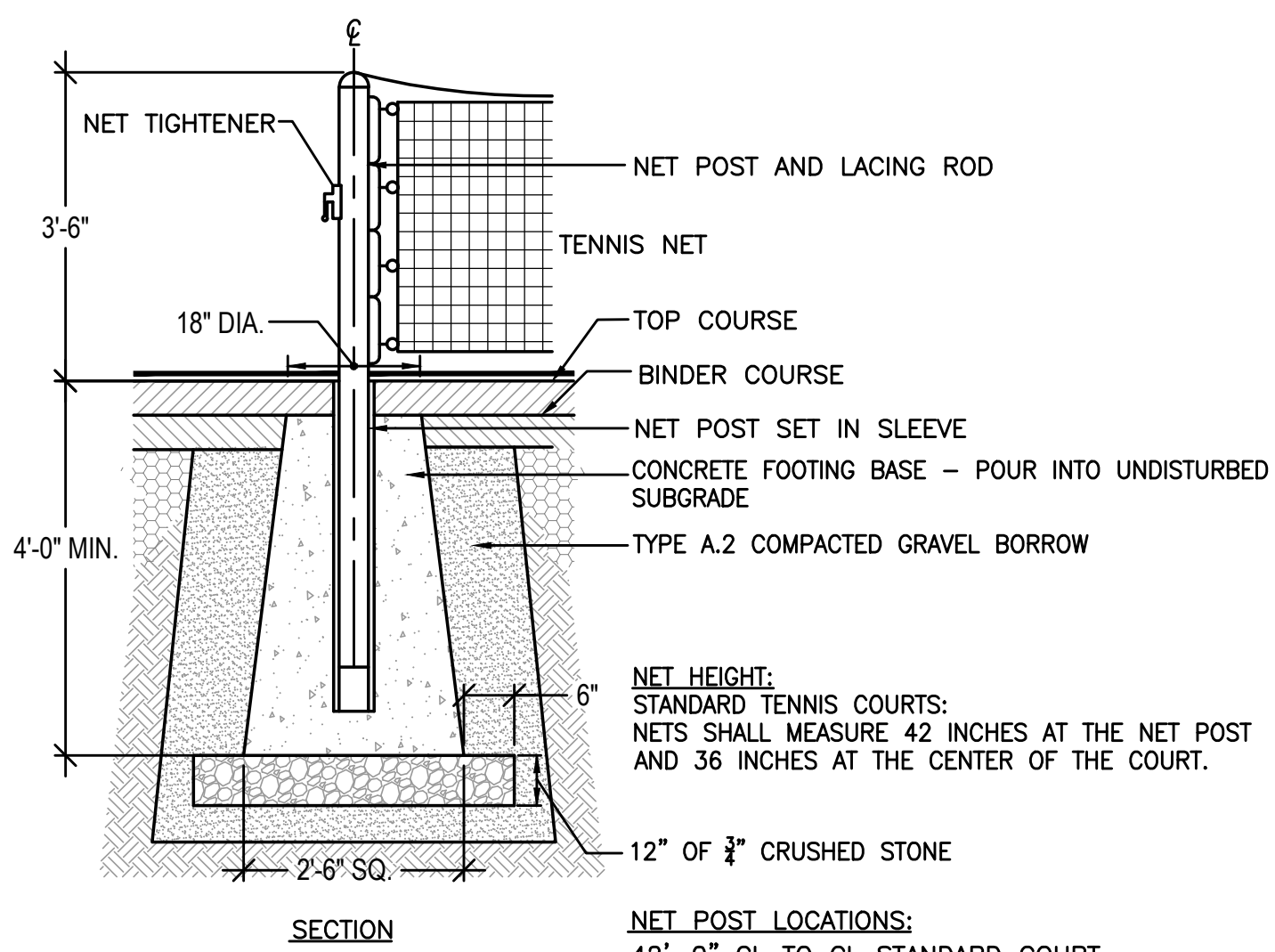
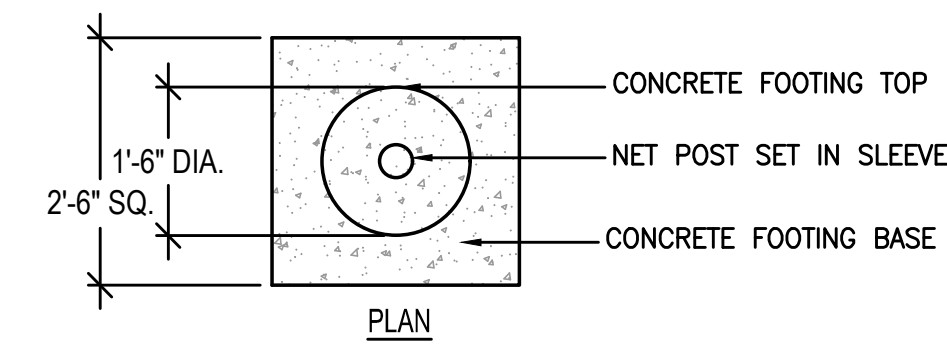


1 TENNIS COURT SECTION
N.T.S.



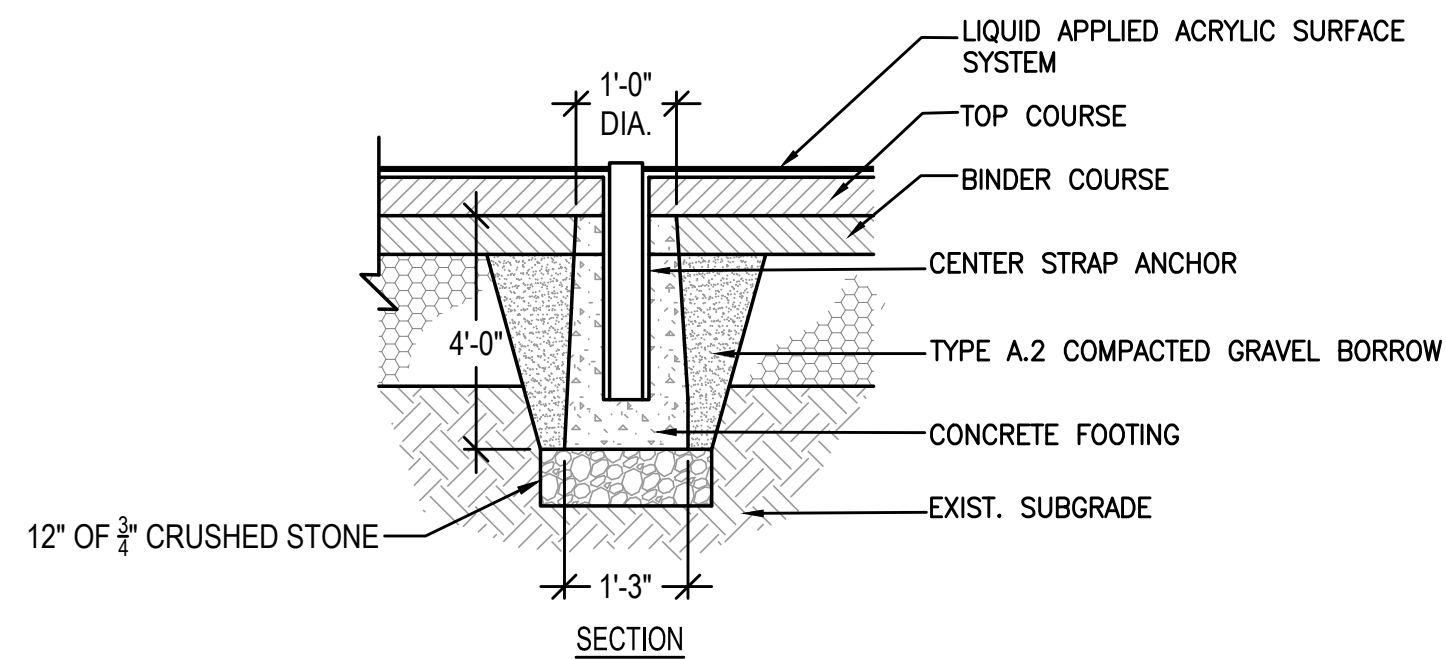
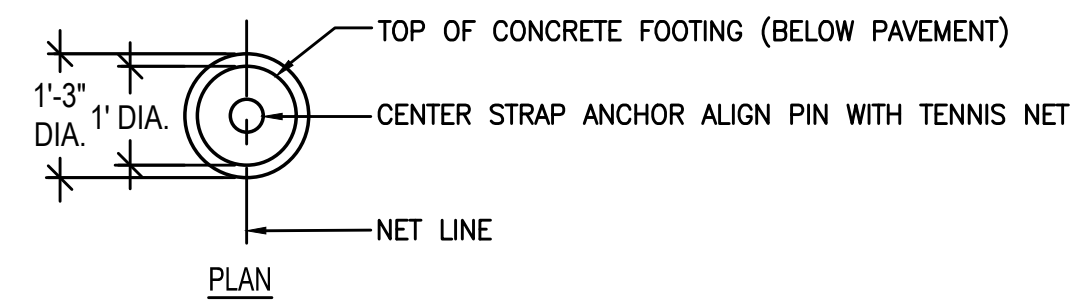
NOTE: INSTALL PAVEMENT CONTROL JOINT BETWEEN EACH COURT AND ALONG NET LINE.

2 PAVEMENT CONTROL JOINT
N.T.S.

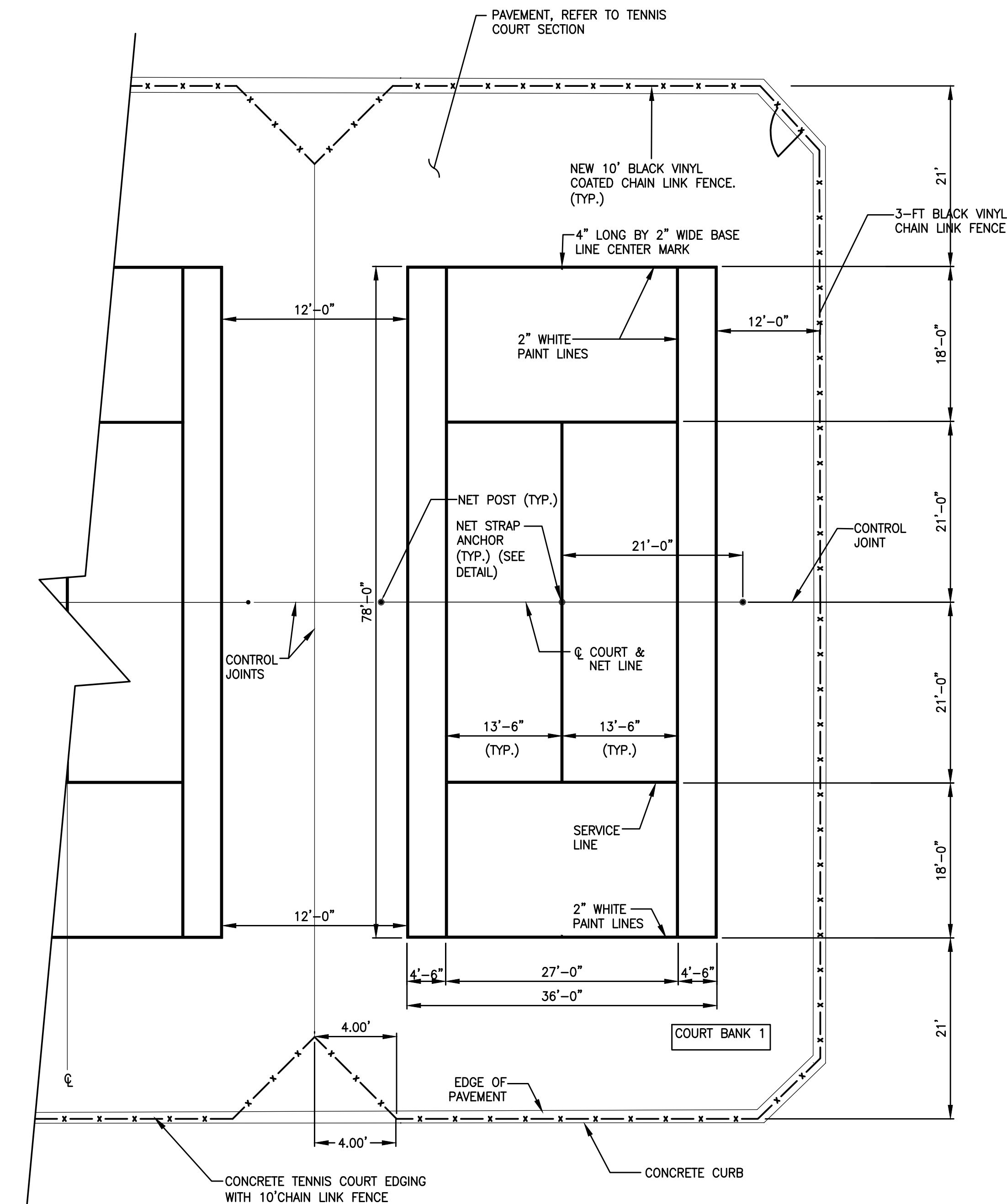


NOTE:
TOP OF CONCRETE FOOTING SHALL BE BELOW PAVEMENT

3 TENNIS NET POST
N.T.S.



4 TENNIS NET CENTER TRAP ANCHOR
N.T.S.



NOTES:

1. NEW TENNIS COURTS TO INCLUDE INSTALLATION OF NEW POSTS, NETS STRAPS W/ANCHORS AND FENCING.
2. COURT SURFACE COLORS TO BE APPROVED BY OWNER.
3. ALL MEASUREMENTS ARE OUTSIDE TO OUTSIDE OF COURT LINES
4. ALL FENCE MEASUREMENTS ARE INSIDE FACE TO INSIDE FACE.
5. CONTRACTOR WILL SUBMIT A SCALED TENNIS MARKING PLAN SHOP DRAWING FOR OWNER APPROVAL.

5 36' x 78' STANDARD TENNIS COURT
N.T.S.



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GRAPHIC SCALE

SHEET TITLE

DETAIL SHEET
2 OF 5

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C502

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FENCE HEIGHT	END & CORNER POSTS		LINE POSTS	
	NOMINAL HEIGHT	B-1 BAR LENGTH	H-1 HEIGHT ABOVE GRADE	B-2 BAR LENGTH
4'-0"	7'-0"	4'-0 5/8"	6'-8"	3'-8 7/8"
6'-0"	9'-0"	6'-0 5/8"	8'-8"	5'-8 7/8"
8'-0"	11'-0"	8'-0 5/8"	10'-8"	7'-8 7/8"
10'-0"	13'-0"	10'-0 5/8"	12'-8"	9'-8 7/8"

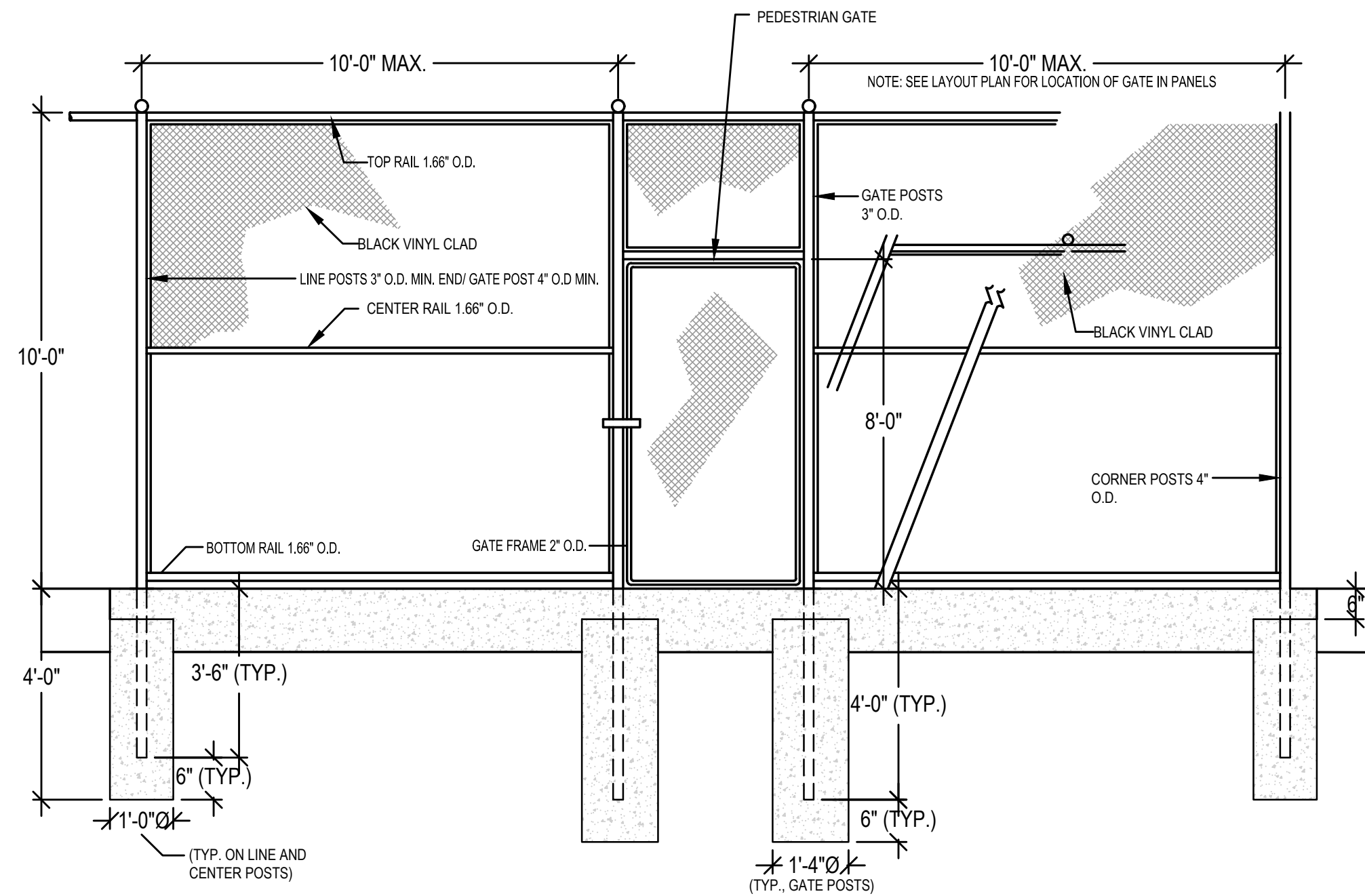
SINGLE OR DOUBLE LEAF GATES		
NOM HEIGHT (H)	UPRIGHT HT (U)	FRAME HT (F)
	ACTUAL DIM	ACTUAL DIM
4'-0"	3'-10"	3'-8 1/2"
6'-0"	5'-10"	5'-8 1/2"
8'-0"	7'-10"	7'-8 1/2"
10'-0"	9'-10"	9'-8 1/2"

SINGLE LEAF GATES		
OPENING	GATE POSTS	HINGE SPACE (S)
FACE TO FACE	SQ & RND SIZES	POST TO UPRIGHT
3'-0" THROUGH 6'-0"	2 1/2" SQ. OR 2 7/8" O.D.	FOR SQUARE & ROUND GATE POSTS: 2 1/4" [57MM]

DOUBLE LEAF GATES		
OPENING	GATE POSTS	HINGE SPACE (S)
FACE TO FACE	SQ & RND SIZES	POST TO UPRIGHT
14'-0" THROUGH 24'-0"	3" SQ. OR 4" O.D.	FOR SQUARE & ROUND GATE POSTS: 2 1/4" [57MM]

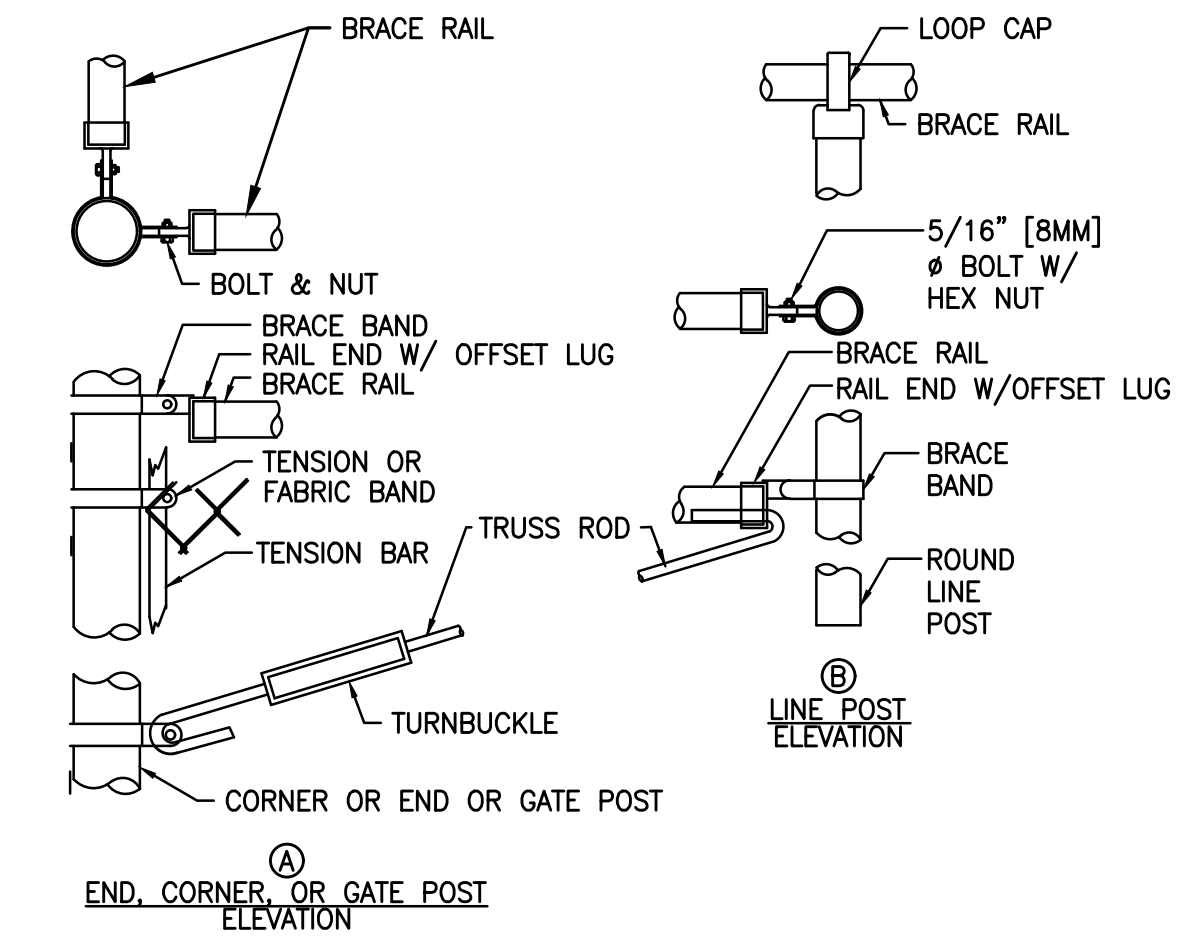
NOTES:

- ALL CHAIN LINK FENCE FABRIC SHALL BE KNUCKLED (TOP AND BOTTOM).
- ALL CHAIN LINK FENCE POSTS, FABRIC, TIES AND MATERIALS SHALL BE BLACK POWDER COATED.
- CENTER UPRIGHT REQUIRED ON GATE LEAVES 8'-0" & WIDER. CENTER RAIL REQUIRED ON GATE LEAVE 6'-0" & HIGHER.
- CONCRETE FOOTINGS SHALL BE FOUR (4) x THE POST DIAMETER, OR AS DESIGNATED ON INDIVIDUAL DETAILS.
- FABRIC OPENINGS FOR TENNIS COURTS SHALL BE 1.75-INCHES



NOTES:

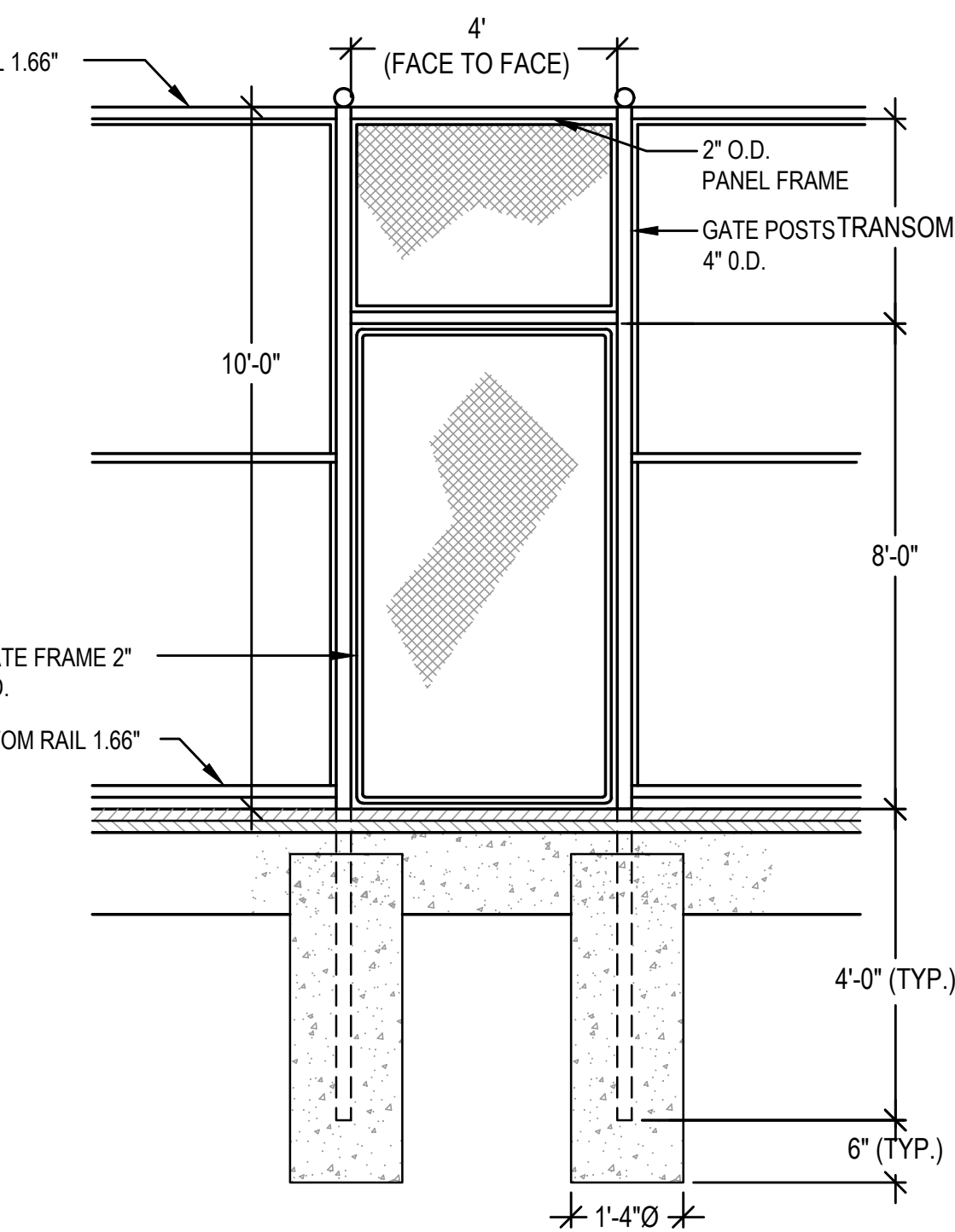
- EACH OF THE PEDESTRIAN GATES SHALL CONTAIN A FROST-FREE LATCH ASSEMBLY WITHOUT DROP RODS, INCLUDING LOCKS AND THREE (3) SETS OF KEYS.
- PRIOR TO INSTALLATION CONTRACTOR/ FENCING MANUFACTURER SHALL SUBMIT ENGINEERED SHOP DRAWINGS OF FENCE AND FOUNDATIONS IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.



CHAIN LINK FENCE & GATE CONNECTION DETAIL

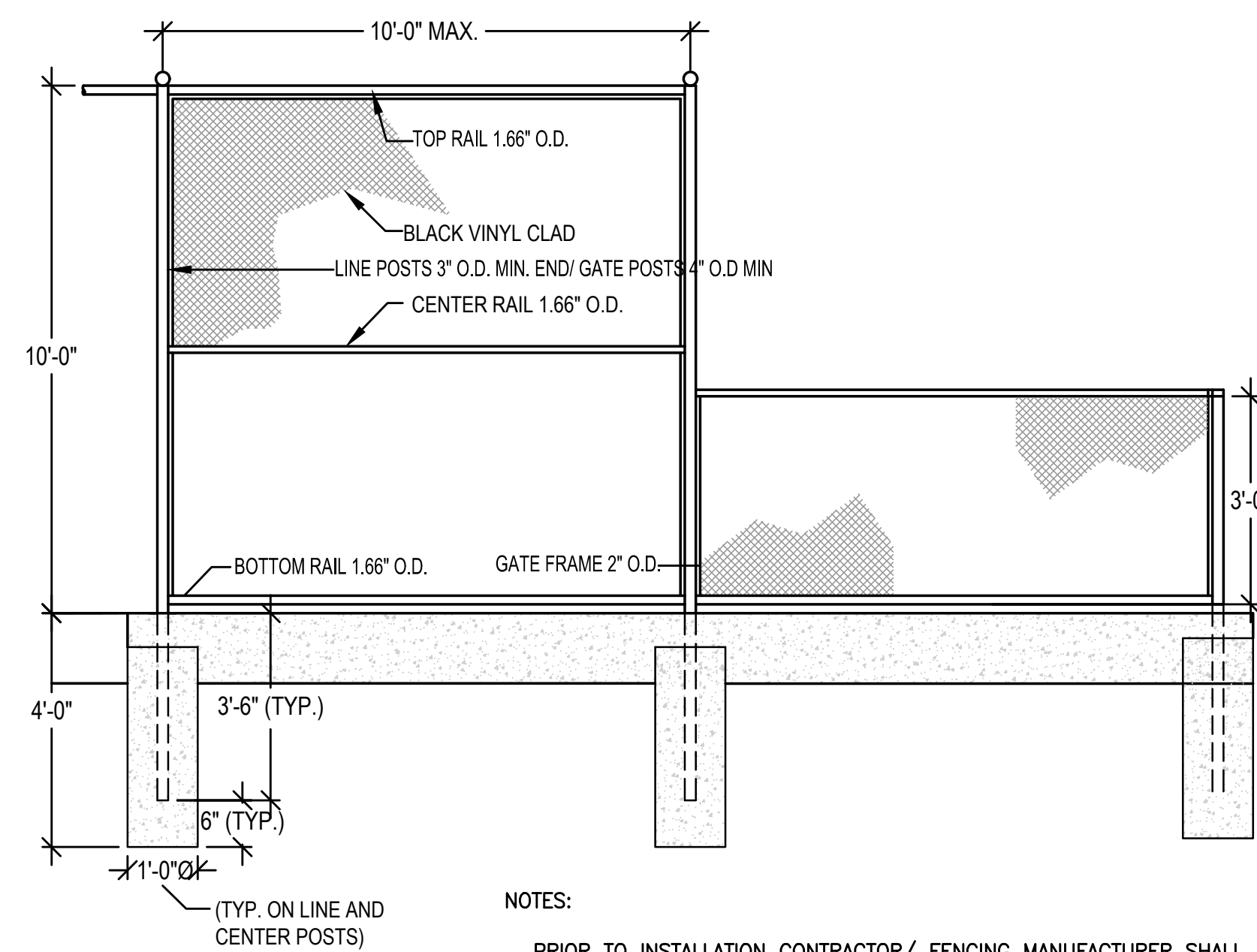
1 CHAIN LINK FENCE & GATE NOTES

2 10 FOOT HIGH CHAIN LINK FENCE



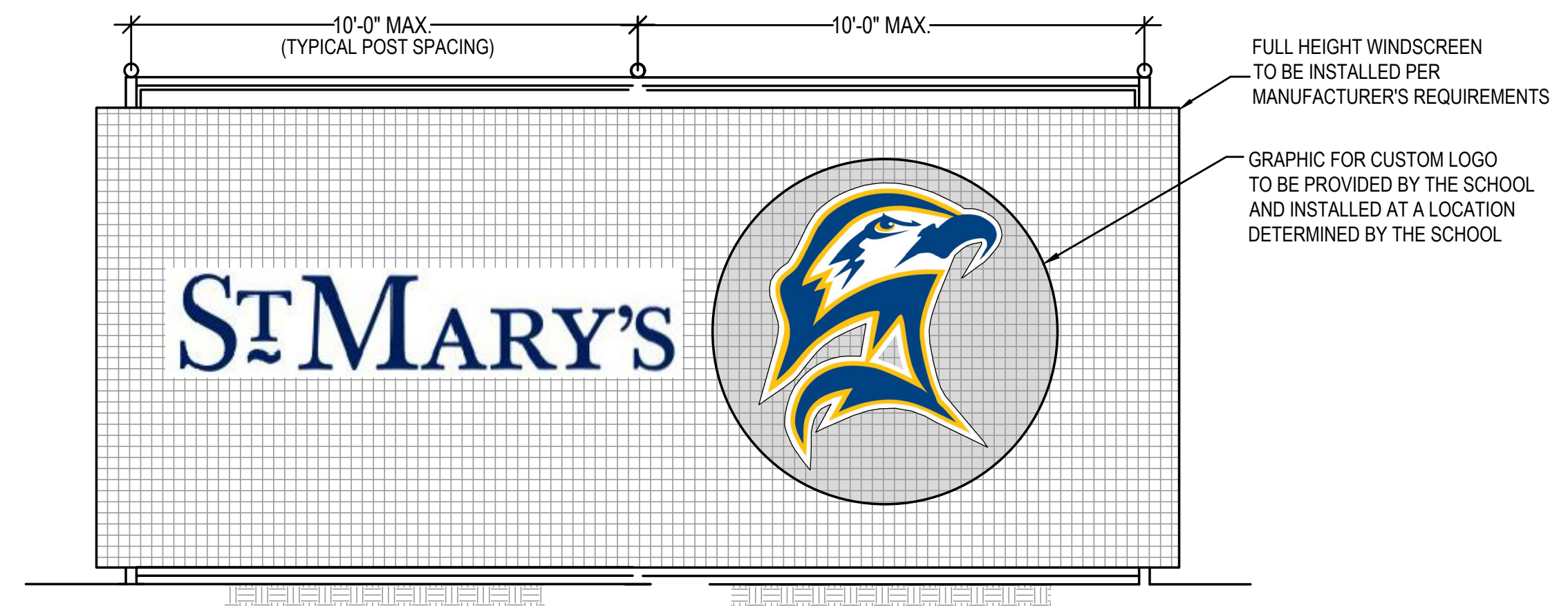
NOTE:

- GATE HEIGHT SHALL BE 8'-0" WITH TRANSOM FOR 10'-0" HIGH FENCING.
- PRIOR TO INSTALLATION CONTRACTOR/ FENCING MANUFACTURER SHALL SUBMIT ENGINEERED SHOP DRAWINGS OF FENCE AND FOUNDATIONS IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.



NOTES:

- PRIOR TO INSTALLATION CONTRACTOR/ FENCING MANUFACTURER SHALL SUBMIT ENGINEERED SHOP DRAWINGS OF FENCE AND FOUNDATIONS IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.



NOTES:

- WINDSCREEN LOGOS SHALL BE PROVIDED ALONG THE SOUTHER FENCE FOR EACH COURT (TOTAL OF 6 LOGOS). EACH LOGO SHALL INCLUDE A SEAHAWK HEAD AND "ST. MARY'S TENNIS" LETTERING.

4 SINGLE LEAF GATE

5 3 FOOT HIGH CHAIN LINK FENCE

6 TENNIS COURT WINDSCREEN



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ST. MARY'S COLLEGE OF MARYLAND
COLLEGE DRIVE
ST. MARY'S CITY, MD 20686

OWNER
ST. MARY'S COLLEGE OF MARYLAND
18952 E. FISHER ROAD
ST. MARY'S CITY, MARYLAND 20686

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DRAWN BY		SCR	
CHECKED BY		N/A	
DATE		07/13/2023	
DRAWING SCALE		N.T.S.	

GRAPHIC SCALE

SHEET TITLE

DETAIL SHEET
3 OF 5

DRAWING NO.

C503

9 OF 11

1

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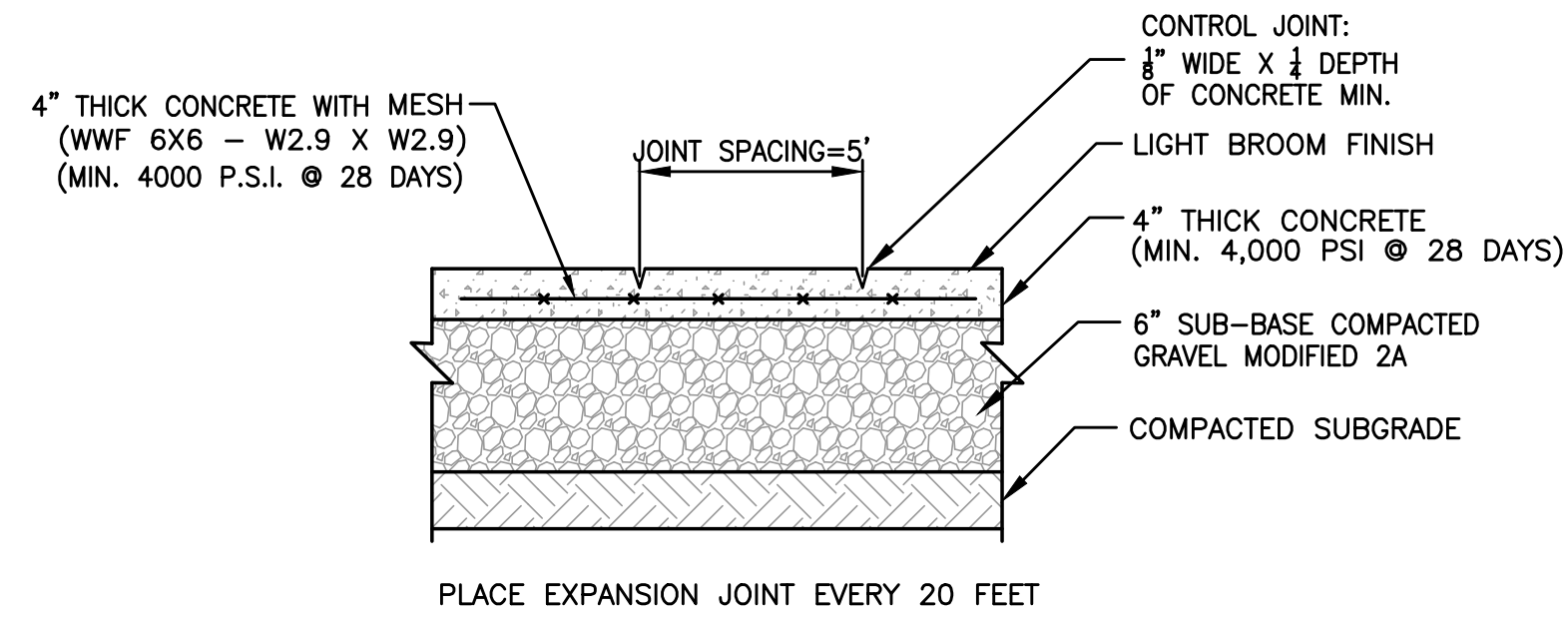
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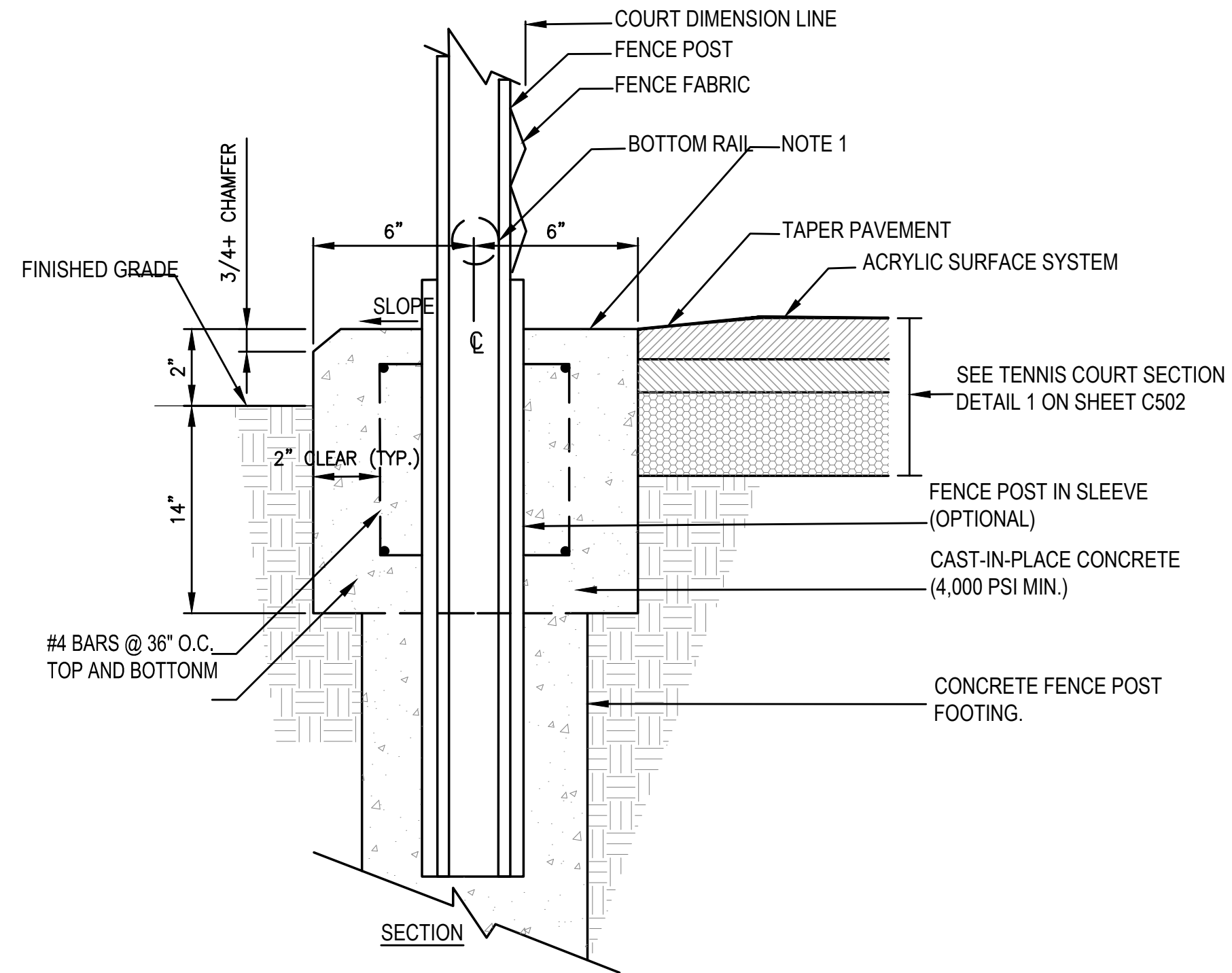


NOTES:

1. FIBRE EXPANSION JOINT SHALL BE INSTALLED 1/2" BELOW TOP SURFACE.
2. DOW CORNING 890-SL OR EQUAL SEALANT AT ALL LOCATIONS WHERE CONCRETE ABUTS PAVEMENT.
3. INSTALL EXPANSION JOINT WHEREVER SIDEWALK ABUTS EXISTING CONCRETE OR BITUMINOUS PAVEMENT.
4. CONCRETE SIDEWALK SHALL BE INSTALLED IN ACCORDANCE WITH SMCM DESIGN GUIDELINE.
5. CONCRETE SIDEWALK SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE A.D.A ACCESSIBILITY REQUIREMENTS.

1 CONCRETE SIDEWALK

N.T.S.

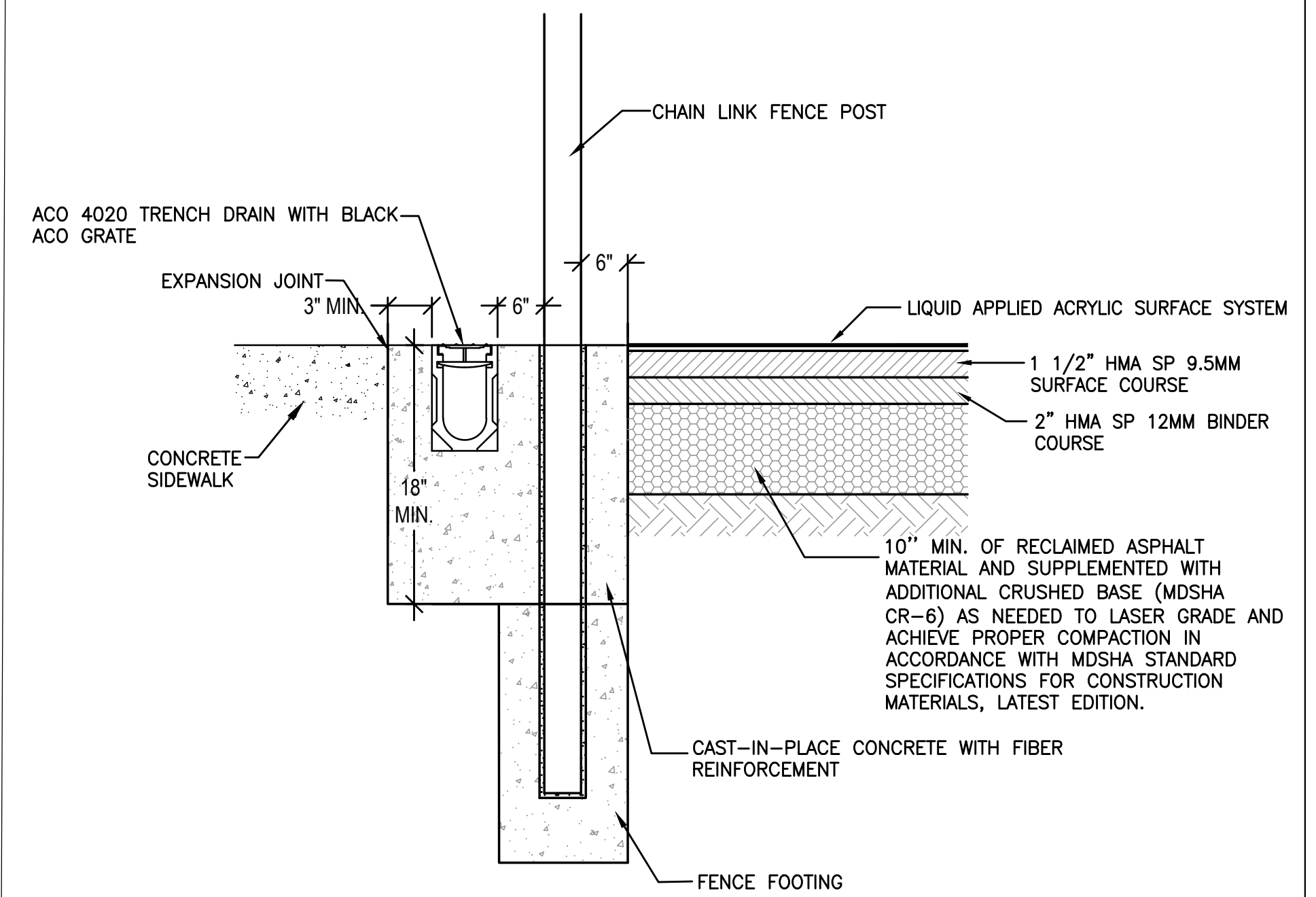


NOTES:

1. INSTALL SAWCUT CONTROL JOINTS AT ALL FENCE POSTS.
2. PAVED SIDEWALKS SHALL BE FLUSH WITH CONCRETE CURB AT GATES TO PROVIDE CODE COMPLIANT ADA ACCESS.
3. PRIOR TO INSTALLATION CONTRACTOR/ FENCING MANUFACTURER SHALL SUBMIT ENGINEERED SHOP DRAWINGS OF FENCE AND FOUNDATIONS IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.

2 CONCRETE TENNIS COURT EDGING WITH 10' CHAIN LINK FENCE

N.T.S.

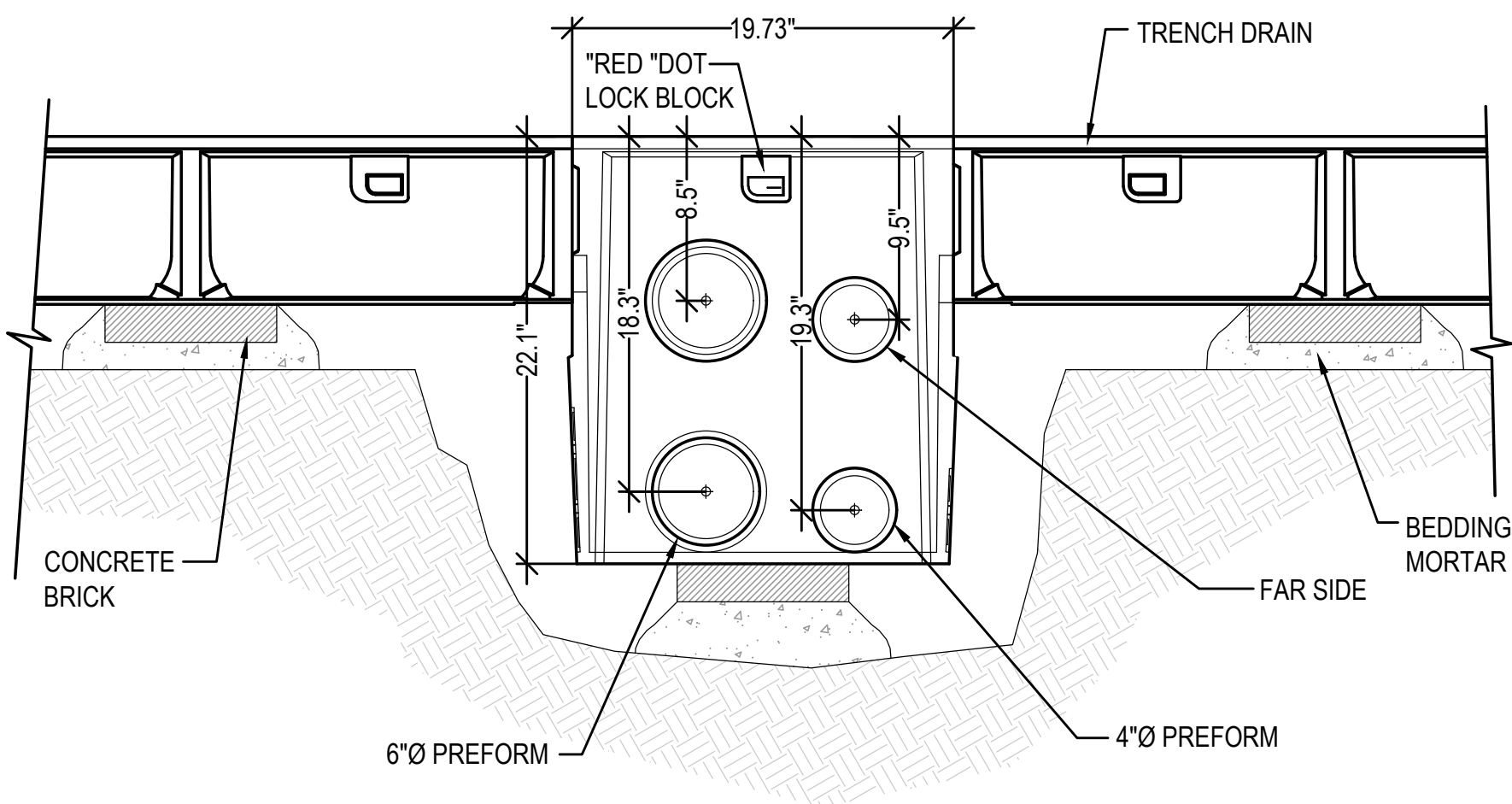


NOTES:

- PRIOR TO INSTALLATION CONTRACTOR/ FENCING MANUFACTURER SHALL SUBMIT ENGINEERED SHOP DRAWINGS OF FENCE AND FOUNDATIONS IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.

3 TRENCH DRAIN AT COURTS

N.T.S.



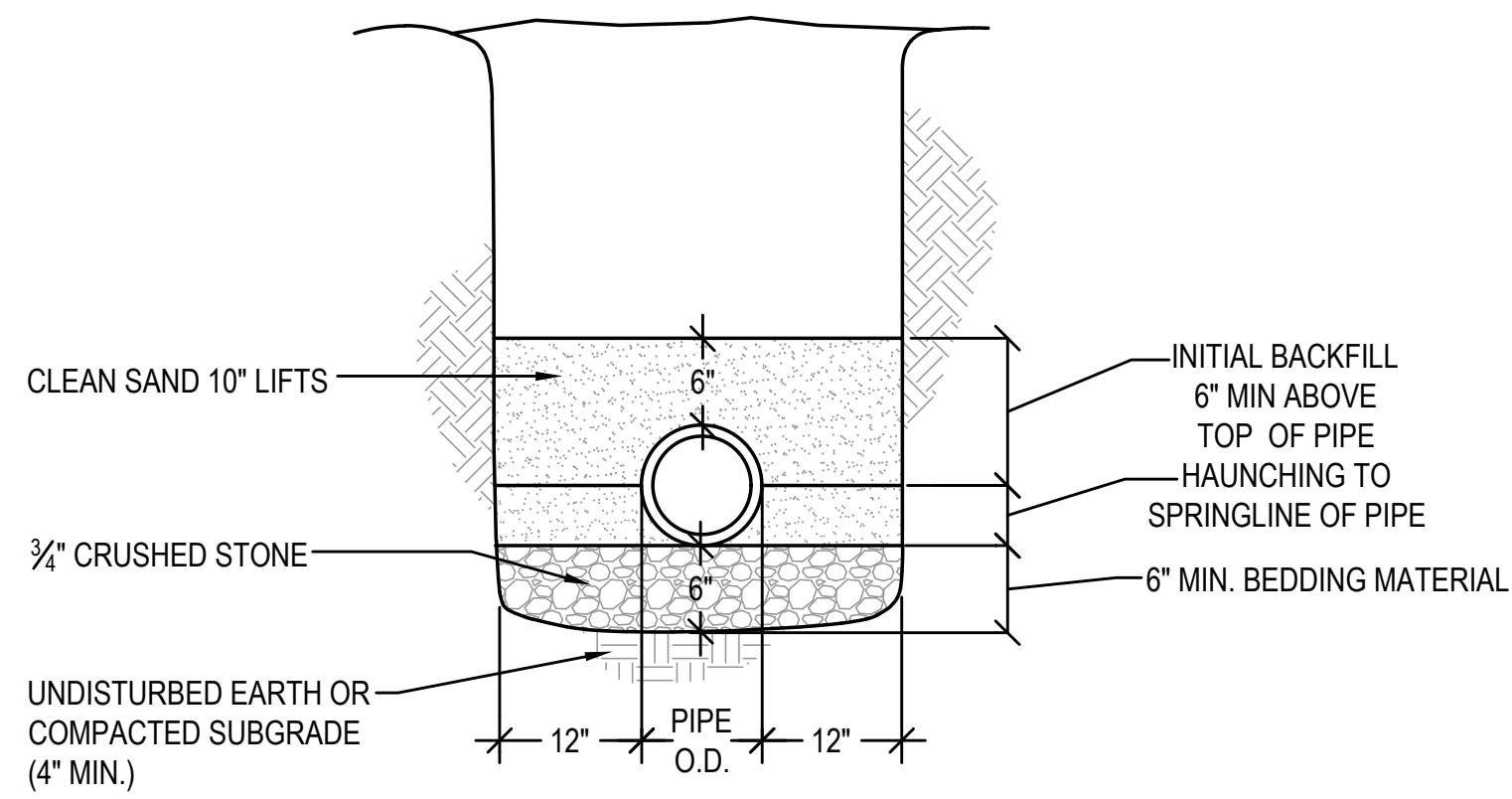
SECTION VIEW

NOTES:

1. CONTRACTOR SHALL CONNECT 6" HDPE DRAINAGE PIPE TO THE LOWER 6" DIAMETER PREFORM OPENING.
2. CATCH BASIN SHALL HAVE TRASH/DEBRIS INSERT BASKET, AS PROVIDED BY DRAIN MANUFACTURER.

4 IN-LINE CATCH BASIN

N.T.S.



NOTE:

CONTRACTOR SHALL PROVIDE SHEETING, TRENCH BOX OR SLOPED WALLS IN ACCORDANCE WITH APPLICABLE SAFETY REGULATIONS

5 HDPE TRENCH DETAIL

N.T.S.



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DRAWING SCALE	N.T.S.		

GRAPHIC SCALE

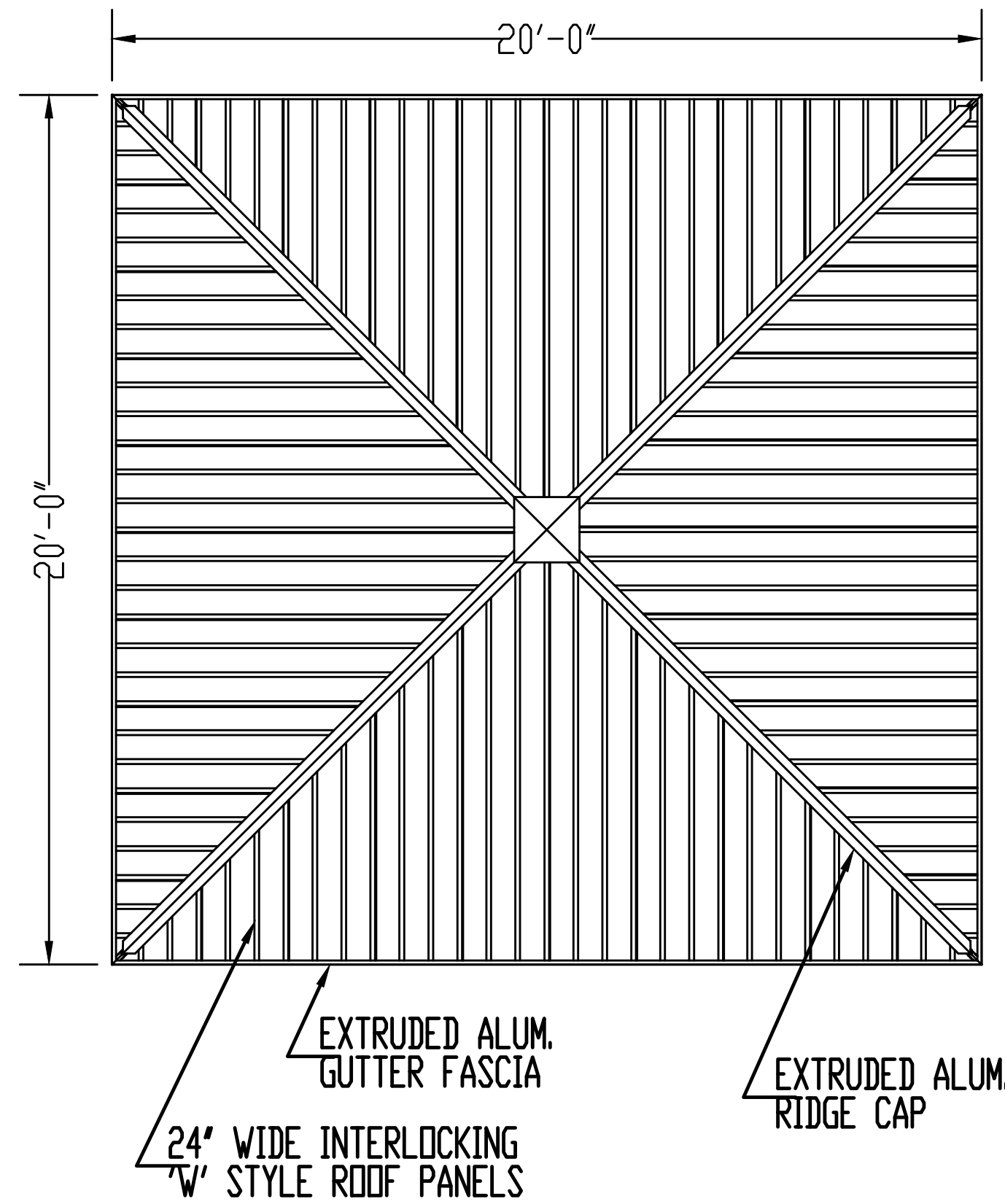
SHEET TITLE

DETAIL SHEET 4 OF 5

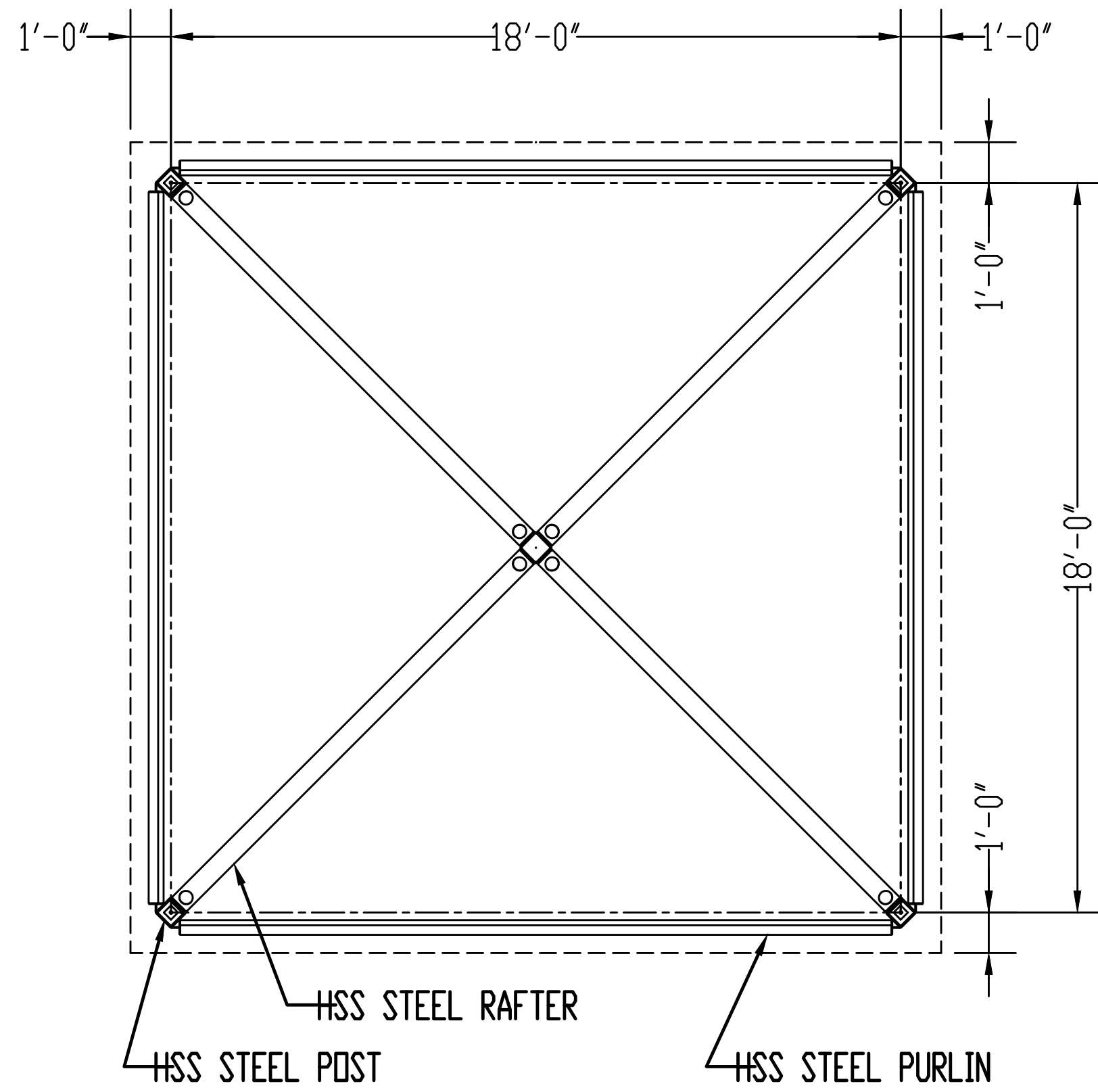
DRAWING NO.

C504

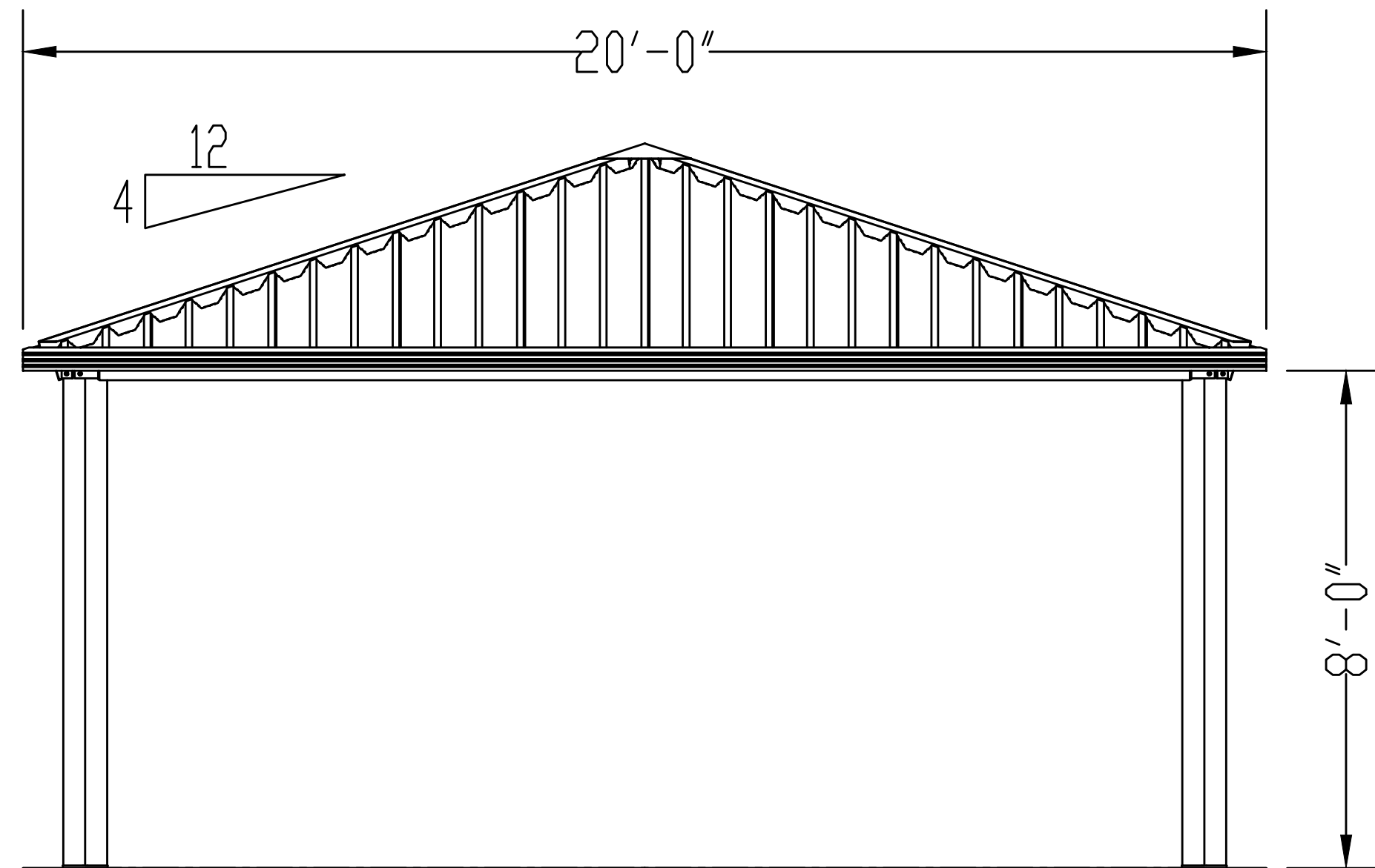
10 OF 11



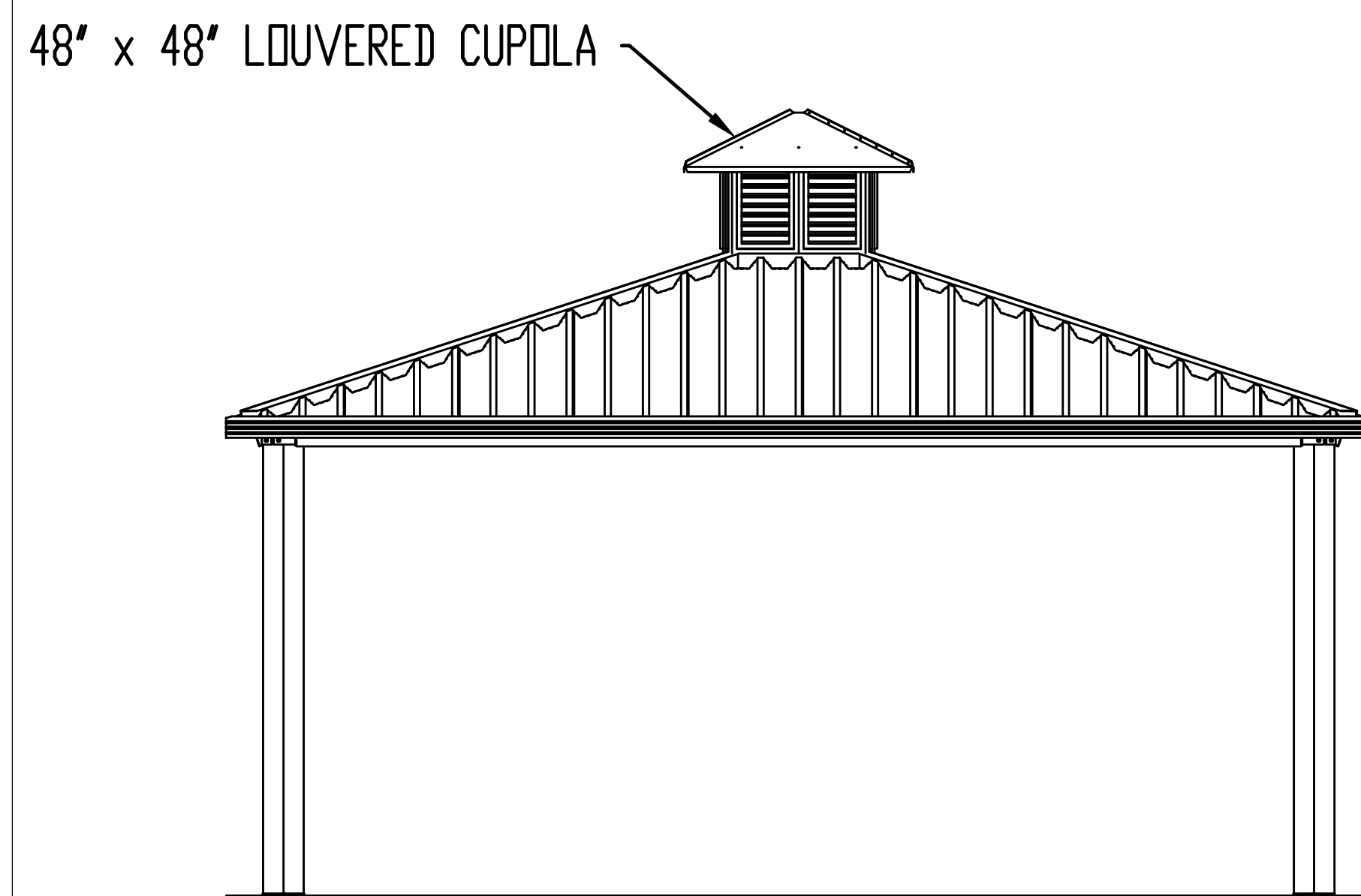
1 ROOF PLAN
N.T.S.



2 FRAME PLAN
N.T.S.



3 ELEVATION
N.T.S.



4 ELEVATION w/ OPTIONAL CUPOLA
N.T.S.

GENERAL NOTES:

1. SHELTER DESIGN:

A. BASIS OF DESIGN FOR PAVILION IS NAVAJOS SHELTER AS MANUFACTURED BY AMERICANA BUILDING PRODUCT, OR EQUAL.

B. FOLLOWING DETAILS AND INFORMATION SHOWN IS PROVIDED FOR GENERAL REFERENCE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH VENDOR AND PROVIDE AN ENGINEER DESIGN SUBMITTAL OF STAMPED BY A PROFESSIONAL ENGINEER IN THE STATE OF MARYLAND FOR REVIEW AND APPROVAL BY OWNER.

C. THIS SHELTER HAS BEEN DESIGNED AS AN OPEN STRUCTURE. THE ADDITION OF ANY ENCLOSURE SUCH AS WALLS, INSECT, MESH, OR SHADE SCREENS SHALL BE PROHIBITED AS INCREASED WIND FORCES MAY RESULT.

2. FOUNDATION:

A. THE FOUNDATION SHALL REST ON SOUND SOIL THAT IS FREE OF ORGANIC AND DELETERIOUS MATERIALS AND CAPABLE OF SUPPORTING 1000 PSF VERTICAL BEARING PRESSURE.

3. CONCRETE:

A. COMPRESSION STRENGTH OF ALL REINFORCED CONCRETE SHALL NOT BE LESS THAN 4,000 PSI AT 28 DAYS.

B. REINFORCING BARS SHALL BE DEFORMED BARS CONFORMING TO THE REQUIREMENTS OF MINIMUM ASTM A615 GRADE 40 FOR #4 AND SMALLER BARS AND GRADE 60 FOR BARS LARGER THAN #4.

C. MINIMUM CONCRETE CLEAR COVER FOR REINFORCING BARS SHALL BE 3'.

4. STRUCTURAL STEEL:

A. STEEL PLATE SHALL CONFORM TO THE REQUIREMENTS OF ASTM A36.

B. HOLLOW STRUCTURAL SECTIONS (HSS) SHALL CONFORM TO THE REQUIREMENTS OF ASTM A500 GRADE B.

C. WELDING SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICAN WELDING SOCIETY'S SPECIFICATION FOR THE MATERIAL BEING WELDED.

D. WELDING ELECTRODES SHALL BE E70XX.

E. STRUCTURAL STEEL COMPONENTS SHALL BE COATED WITH ANTI-GRAFFITI POLYESTER POWDER COAT FINISH MEETING AAMA 2604-02 SPECIFICATION.

5. ALUMINUM:

A. EXTRUDED ALUMINUM RIDGE CAP SHALL BE FABRICATED FROM ALUMINUM ALLOY 6105-T5.

B. EXTRUDED ALUMINUM GUTTER FASCIA AND FASCIA TRIM SHALL BE FABRICATED FROM ALLOY 6061-T6 OR 6105-T6.

C. ALUMINUM COMPONENTS SHALL BE COATED WITH ANTI-GRAFFITI POLYESTER POWDER COAT FINISH MEETING AAMA 2604-02 SPECIFICATION.

6. ROOF DECK:

A. INTERLOCKING SEAL ALUMINUM ROOF DECK SHALL BE ROLL FORMED FROM ALUMINUM ALLOY 3004-H34.

B. ROOF DECK SHALL BE COATED WITH HEAT REFLECTIVE BASF ULTRA-COOL COATING OR APPROVED EQUAL.

7. FASTENERS:

A. HIGH STRENGTH BOLTS SHALL CONFORM TO ASTM A325 OR A307 (SEE DETAILS).

B. SCREWS ATTACHING TO STEEL SHALL BE 12-24 HEX WASHER HEAD #5 POINT SELF DRILLING SCREWS.

C. SCREWS ATTACHING TO ALUMINUM SHALL BE 8-18 HEX WASHER HEAD #2 POINT SELF DRILLING SCREWS.

D. HIGH STRENGTH BOLTS SHALL BE HOT DIP GALVANIZED. ALL SCREWS SHALL BE STAINLESS STEEL OR COATED WITH ZINC.

8. COLORS SHALL BE APPROVED BY OWNER.

5 GENERAL NOTES
N.T.S.



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GRAPHIC SCALE

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5 OF 5

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