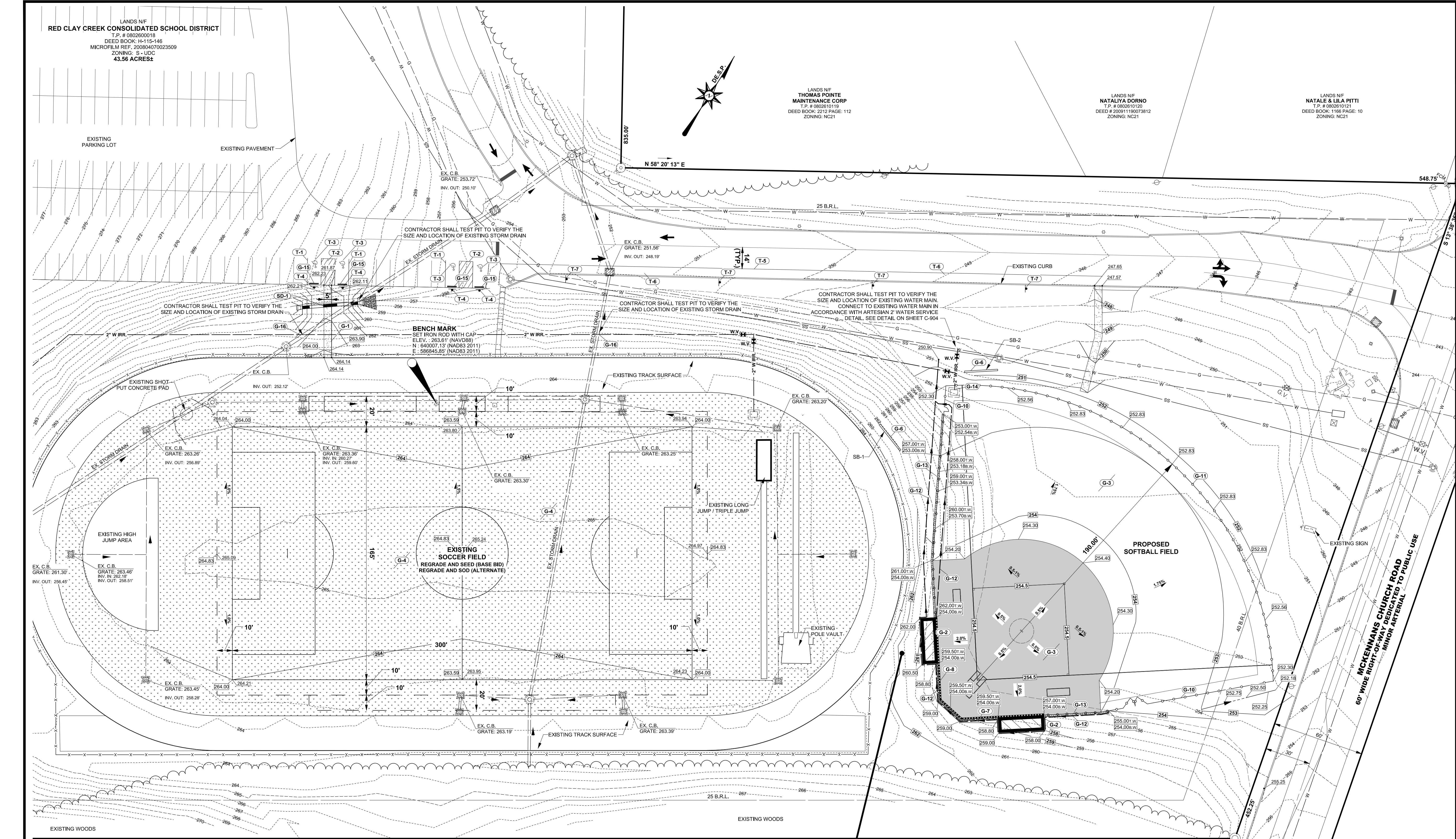


LANDS N/F
RED CLAY CREEK CONSOLIDATED SCHOOL DISTRICT
 T.P. # 080260018
 DEED BOOK: H-115-148
 MICROFILM REF: 20080407023509
 ZONING: S - UDC
 43.56 ACRES±

LANDS N/F
THOMAS POINTE MAINTENANCE CORP
 T.P. # 092501119
 DEED BOOK: 2212 PAGE: 112
 ZONING: NC21

LANDS N/F
NATALIYA DORNO
 T.P. # 080201120
 DEED BOOK: 1166 PAGE: 10
 ZONING: NC21

LANDS N/F
NATALE & LILA PITTI
 T.P. # 080201121
 DEED BOOK: 1166 PAGE: 10
 ZONING: NC21



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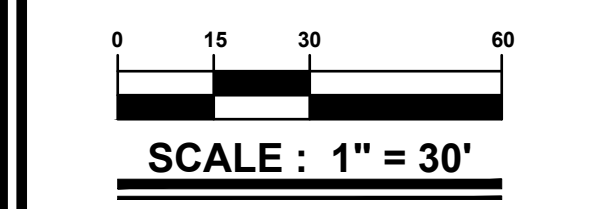
www.beckermorgan.com

PROJECT TITLE
APPLICATION NO. 2016-0584

**THOMAS
 MCKEAN
 HIGH SCHOOL
 ATHLETIC
 FIELDS**

301 MCKENNANS CHURCH RD.
 MILLCREEK HUNDRED
 NEW CASTLE COUNTY, DE.

**GRADING &
 UTILITY PLAN**



ISSUE BLOCK	DATE	DESCRIPTION
1	4/28/17	ADDENDUM 3
2	3-08-2017	ADDENDUM 1
1	2-22-2017	ISSUE FOR BID
MARK	DATE	DESCRIPTION
LAYER/STATE	C-01	
PROJECT NO.: 2015145.00		
DATE: 11/07/16		
SCALE: 1\"/> 		

DRAWN BY: A.P.C. / PROJ. MGR.: C.D.D.
 SHEET
C-401
 COPYRIGHT: 2015

Playing Field Subgrade:
 1. All cutting, filling, backfilling and grading necessary shall be done to bring the playing field areas to the following subgrade tolerances:
 2. The final elevation of the finish playing field subgrade shall at any point on the field and on a 25 foot by 25 foot grid of the finished grades indicated on the Contract Drawings. Laser controlled or indicated equipment shall be used for this part of the work. Playing Field Subgrade Elevation Certification: A certified survey by a State licensed land surveyor shall be performed at 25-foot centers to verify grade and elevation of the subgrade. The digital survey document shall indicate spot elevations and tenth of foot contours and shall be submitted to the Engineer for review and approval prior to moving to next part of work.
 3. After verification and approval of the subgrade, the Playing Field Contractor shall then proceed with the fine grading of the subgrade. All fine grade cutting, filling, and backfilling necessary to be performed on the subgrade to bring the playing field areas finish subgrade to the required tolerances. Finish subgrade shall be sloped to slope except where noted on the drawings. Compaction for the finish subgrade shall in section 3.2 of this Specification. Proofrolling of the finish subgrade is required. Sufficient grading must be done during the progress of the work so site shall be well drained and free from water pockets.
 4. Playing Field Finish Subgrade Tolerance Requirements: The final elevation of the finish subgrade shall be plus or minus one half inch at any point on the field and on a 25 foot by 25 foot grid grade as indicated on the Contract Drawings.
 5. Playing Field Finish Subgrade Elevation Certification: A certified survey licensed land surveyor shall be performed at 25-foot centers to verify required grade and elevation tolerances of the finish subgrade. The digital survey document shall indicate spot elevations and tenth of foot contours and shall be submitted to the Engineer for review and approval prior to moving to next part of work.

LANDS N/F
NEW CASTLE COUNTY LEVY COURT
 T.P. # 0802930127
 DEED BOOK: P17 PAGE: 646
 ZONING: NC21

WHERE THE STABILITY OF ADJOINING STRUCTURES IS ENDANGERED BY EXCAVATION OPERATIONS, SUPPORT SYSTEMS SUCH AS SHORING, BRACING, OR UNDERPINNING SHALL BE PROVIDED TO ENSURE THE STABILITY OF SUCH STRUCTURES FOR THE DURATION OF CONSTRUCTION. THESE MEANS AND METHODS NECESSARY SHALL BE INCLUDED IN THE CONTRACT.

PIPE NO.	SIZE	PIPE TYPE	LENGTH	SLOPE	INV. IN	INV. OUT
SD-1	18"	RCP	44'	2.07%	258.34'	257.43'
SD-2	18"	RCP	35'	0.57%	274.65'	274.45'

STRIPING & SIGNAGE CONSTRUCTION NOTES
 T-1 PROPOSED EPOXY RESIN STRIPING - 4" WIDE SOLID BLUE ACCESSIBLE PARKING SPACE (TYP).
 T-2 PROPOSED EPOXY RESIN STRIPING - 4" STRIPING - 4" WIDE SOLID BLUE ACCESSIBLE BLUE LINES, 45" @ 4" O.C. SPACING (TYP).
 T-3 PROPOSED THERMO ACCESSIBLE SYMBOL, PAINT ACCESSIBLE BLUE (TYP). SEE DETAIL SHEET C-901.
 T-4 PROPOSED "VAN ACCESSIBLE HANDICAP PARKING" SIGN (TYP). SEE DETAIL SHEET C-901.
 T-5 PROPOSED PAINTED STRIPING - 4" SOLID WHITE LINE.
 T-6 PROPOSED BIKE LANE STRIPING IN ACCORDANCE WITH THE LATEST "DEMUTCD".
 T-7 PROPOSED "NO PARKING ANYTIME" SIGN (R7-1) IN ACCORDANCE WITH THE LATEST "DEMUTCD".

GENERAL CONSTRUCTION NOTES
 G-1 INSTALL 4" THICK, 5' WIDE CONCRETE SIDEWALK. SEE DETAIL SHEET C-901.
 G-2 PROPOSED SOFTBALL DUGOUT WITH 48" CHAIN LINK FENCE ALONG BACKSIDE OF THE DUGOUT. SEE DETAIL SHEET C-903 FOR DUGOUT SECTION AND TOP AND BOTTOM ELEVATIONS.
 G-3 PROPOSED COMPETITION SOFTBALL FIELD. SEE DETAIL SHEET C-902.
 G-4 EXISTING SOCCER FIELD TO BE REGRADED AND SEEDED / SODDED. SEE SPECIFICATIONS. SEE DETAIL SHEET C-901.
 G-5 INSTALL 4" THICK CONCRETE SIDEWALK. SEE DETAIL SHEET C-901.
 G-6 PROPOSED SCOREBOARD FOR EACH RESPECTIVE SPORT. CONTRACTOR TO REFER TO ELECTRICAL DESIGN DRAWINGS FROM ELECTRICAL ENGINEER TO PROVIDE POWER TO THE SCOREBOARD.
 G-7 PROPOSED BACKSTOP RETAINING WALL. SEE DETAIL SHEET C-903.
 G-8 PROPOSED TRENCH DRAIN. INSTALL AT A MINIMUM SLOPE OF 0.5%. SEE DETAIL SHEET C-904.
 G-9 PROPOSED COMPETITION FIELD HOCKEY FIELD. SEE DETAIL SHEET C-901.
 G-10 PROPOSED 4" CHAINLINK FENCE. SEE DETAIL SHEET C-902.
 G-11 PROPOSED 6" CHAINLINK FENCE. SEE DETAIL SHEET C-902.
 G-12 PROPOSED 10" NDS EZ FLOW PERFORATED PIPE. INSTALL AT A MINIMUM SLOPE OF 0.5%. SEE DETAIL SHEET C-904.
 G-13 PROPOSED FOUL LINE RETAINING WALL WITH 48" CHAIN LINK FENCE. SEE DETAIL SHEET C-903.
 G-14 CONTRACTOR TO INSTALL IRRIGATION VALVE, VALVE BOX AND COVER TO FACILITATE CONNECTION OF 1-1/2" UNIVERSAL VALVE OPENING ELBOW TO SUPPLY WATER REEL IRRIGATION SYSTEM. VALVE BOX SHALL BE 12" x 18" x 12" REINFORCED POLYETHYLENE RECTANGULAR BOX WITH HEAVY DUTY LID, FLUSH WITH FINISH GRADE.
 G-15 PROPOSED PARKING BUMPER BLOCK (TYP). SEE DETAIL SHEET C-901.
 G-16 CONTRACTOR TO INSTALL WATER IRRIGATION LINE TO MAINTAIN 42" MINIMUM COVER. CONTRACTOR TO DEFLECT WATER MAIN BELOW EXISTING STORM DRAIN PIPE AS NECESSARY TO MAINTAIN MIN COVER AND 18" VERTICAL SEPARATION.

