SITE PREPARATION and CONSTRUCTION NOTES - CORTLAND HIGH SCHOOL

1. EXISTING LAWN AREA REMAINS. PROTECT.
2. STRIP EXISTING TOPSOIL AND STOCK PILE FOR REUSE ONSITE IN AN AREA AS DIRECTED BY THE OWNER. TEMPORARILY SEED ENTIRE PILE IMMEDIATELY AND SURROUND WITH SILT FENCE.
3. EXISTING VEGETATION REMAINS. PROTECT AT ALL TIMES AS SHOWN ON THE PLANS AND AS SPECIFIED. DO NOT PARK VEHICLES/EQUIPMENT OR STORE MATERIALS WITHIN DRIP LINES OF TREES.
4. CAREFULLY AND SYSTEMATICALLY REMOVE ALL SBR RUBBER/SAND FILL MATERIAL, SYNTHETIC TURF CARPET AND DISPOSE OFF SITE. ANY DAMAGE AS A RESULT OF THE TURF REMOVAL OPERATION SHALL BE REPAIRED WITHOUT DELAY AND AS DIRECTED BY THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
5. EXISTING PAVEMENT REMAINS. PROTECT. REPLACE ANY PAVEMENT DAMAGED DURING CONSTRUCTION
6. REMOVE EXISTING PAVEMENT SURFACE AND HAUL OFF SITE. REMOVE GRANULAR BASE COURSE AND HAUL OFF SITE.
7. EXISTING SITE UTILITY REMAINS. PROTECT.
8. REMOVE EXISTING SITE UTILITY DISPOSE OFF SITE AND BACK FILL VOID WITH IMPORTED GRANULAR BACKFILL, COMPACTED TO MINIMUM 95% OF IN PLACE DRY DENSITY.
9. EXISTING SITE FEATURE REMAINS. PROTECT.
10. REMOVE EXISTING SITE FEATURE AND DISPOSE OFF SITE, INCLUDING ANY ASSOCIATED FOOTINGS OR UNDERDRAINS. BACKFILL VOID WITH IMPORTED GRANULAR BACKFILL COMPACTED TO 95% OF IN PLACE DRY DENSITY.
11. VERIFY NET POSTS LOCATION WITH OWNER PRIOR TO INSTALLATION OF FOUNDATIONS.
12. SAW CUT NEAT, STRAIGHT EDGE, PRIOR TO PAVING. AT SIDEWALKS REMOVE AT NEAREST SCORE JOINT.
13. VERIFY LOCATION, ELEVATION, INVERT AND TYPE OF EXISTING PIPE PRIOR TO CONSTRUCTION. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCY IMMEDIATELY.
14. ADJUST UTILITY TO FINISHED GRADE. FURNISH ALL LABOR AND MATERIAL TO ACCOMPLISH.
15. MEET EXISTING LINE AND GRADE.
16. SLIP DOWEL NEW CONCRETE WALK INTO EXISTING CONCRETE WALK OR BUILDING FOUNDATION WALL WITH No. 4 SLIP DOWEL, 18" LONG, 12" O.C., 2" CLEAR MINIMUM FROM SURFACE. INSERT DOWELS EQUAL LENGTH INTO EXISTING AND NEW CONCRETE. PROVIDE EXPANSION JOINT AND SEALANT.
17. ALIGN NEW EDGE WITH EXISTING.
18. CAP END SILT TIGHT.
19. PROVIDE HOT TAR ASPHALT CRACK SEALER BETWEEN EXISTING AND NEW ASPHALT JOINT.
20. FINAL GATE LOCATION SHALL BE REVIEWED WITH OWNER PRIOR TO INSTALLATION.
21. PROVIDE FERNCO COUPLER OR SIMILAR SILT TIGHT JOINT BETWEEN EXISTING PIPE AND NEW STORM PIPE. ALLOW INSPECTION BY ARCHITECT PRIOR TO BACKFILLING. NOTIFY ARCHITECT WHEN READY TO BACKFILL WHEN CONNECTING DISSIMILAR PIPES, PROVIDE MARMAC DISSIMILAR PIPE COUPLER.
22. CORE INTO EXISTING STRUCTURE TO ALLOW INSTALLATION OF PROPOSED PIPE. MORTAR VOID BETWEEN OUTSIDE OF PIPE WALL TO STRUCTURE EDGE WATER TIGHT. CLEAN EXISTING STRUCTURE OF ANY DEBRIS PRIOR TO INSTALLATION OF NEW PIPE.
23. THOROUGHLY CLEAN ALL SURFACES BY PRESSURE WASHING OR SIMILAR APPROVED METHODS. REMOVE ALL MILDEW VEGETATION, MOSS, GRASS, LONG JUMP PIT SAND, AND FOREIGN DEBRIS THAT MAY HAVE MIGRATED INTO THE RESILIENT TRACK SURFACING AND ADJACENT ASPHALT AREAS. REMOVE AND CUT OUT ANY LOOSE AND UNSTABLE RESILIENT TRACK SURFACING DOWN TO THE EXISTING STABLE ASPHALT BASE AND TO FIRMLY ADHERED AREAS. REPLACE WITH NEW RUBBER BASE MAT, MATCHING EXISTING TRACK SURFACING ELEVATIONS. PERFORM PLANARITY REVIEW AS SPECIFIED AND CORRECT ANY LOW AREAS WITH ADDITIONAL TRACK MATERIAL AT NO ADDITIONAL COST TO THE OWNER. PATCH ALL CRACKS AND SEAMS WITH LIQUID BINDER, MATCHING RESILIENT TRACK SURFACING AS SPECIFIED.
24. AVOID DAMAGING EXISTING UTILITIES OR CONDUITS WITH INSTALLATION OF NEW LACROSSE NET POST FOOTINGS. VERIFY LOCATIONS OF EXISTING UTILITIES IN RELATION TO POST LOCATIONS PRIOR TO EXCAVATING HOLES. LEAVE EXCAVATED HOLES OPEN FOR INSPECTION BY ARCHITECT PRIOR TO INSTALLING CONCRETE TO VERIFY NO DAMAGE HAS OCCURRED. FINAL POST LOCATION TO BE APPROVED IN THE FIELD BY THE OWNER.
25. REMOVE ASPHALT AND 2" EXISTING BASE STONE AND HAUL OFF SITE. FINE GRADE AND TOP DRESS EXISTING STONE SUBBASE WITH MINIMUM 2" NEW IMPORTED BASE STONE TO MEET PROPOSED GRADES PER PLAN. COMPACT TO 95% IN PLACE DRY DENSITY AND INSTALL ASPHALT AS SHOWN ON THE DETAILS.
26. VERIFY LOCATION OF TRACK MONUMENTS. ESTABLISH MEASUREMENT OF TRACK LAYOUT. REPUTED LOCATION OF MONUMENTS BASE ON APPROXIMATE MEASURE LINE AND AS-BUILT DRAWINGS. NOTIFY ARCHITECT AND OWNER IMMEDIATELY IF DISCREPANCIES ARISE IN THE FIELD. MAKE ADJUSTMENTS AS NECESSARY TO ESTABLISH 400 METER TRACK DIMENSIONS, MEETING NFHS REGULATIONS.
27. REMOVE AND STOCKPILE EXISTING FENCE FABRIC, RAILS AND POSTS TO ALLOW ACCESS TO PROPOSED WORK. PROTECT. REINSTALL FENCE FABRIC, RAILS AND POSTS WHEN WORK IS COMPLETE. PROVIDE ALL HARDWARE NECESSARY TO ACCOMPLISH. PROVIDE ADDITIONAL MATERIAL, INCLUDING POSTS, CONCRETE FOOTINGS, RAIL, MID-RAILS, AND FABRIC AS NECESSARY TO RE-ESTABLISH FENCE LINE. MODIFY FABRIC HEIGHT TO ACCOMMODATE NEW FINISH GRADE ELEVATIONS IF NECESSARY. PROVIDE ALL GATE ADJUSTMENTS.
28. FINE GRADE, TRUE, AND LEVEL EXISTING FINISHING STONE. PROVIDE ADDITIONAL NEW DRAINAGE, BASE AND FINISHING STONE AS SPECIFIED TO MAKE UP ELEVATION OF REMOVALS, ESTABLISH PROPOSED GRADES, AND PROVIDE A CONSISTENT SMOOTH STONE BLANKET SURFACE FOR NEW SYNTHETIC TURF SYSTEM. ONCE COMPLETE, NOTIFY ARCHITECT FOR FINAL APPROVAL. COORDINATE WITH OWNER'S TESTING AGENCY. FOR DRAINAGE TESTS ON STONE BLANKET, PROVIDE TURF VENDOR ACCEPTANCE AND STRING GRADING PLANARITY OF STONE BLANKET SURFACE PRIOR TO TURF INSTALLATION AS SPECIFIED.
29. PRESSURE WASH EXISTING TRENCH DRAINS AND TRENCH DRAIN CATCH BASINS OF ALL DIRT AND DEBRIS, DISPOSE OFF SITE. LEAVE TRENCH DRAIN IN CLEAN, FREE FLOWING CONDITION.
30. REMOVE AND DISPOSE OF EXISTING 2" X 4" WOOD TURF NAILER. REMOVE AND DISPOSE OFFSITE ENOUGH STONE BLANKET FOR ACCESS TO NAILER. PROVIDE NEW 2" X 4" PRESSURE TREATED WOOD NAILER AT ELEVATIONS RECOMMENDED BY TURF MANUFACTURER. FURNISH AND INSTALL NEW STONE BLANKET MATERIAL AS DETAILED AND SPECIFIED.
31. CAREFULLY AND SYSTEMATICALLY ROLL BACK/STOCKPILE EXISTING 10 MM SHOCK PAD OFF THE STONE DRAINAGE BLANKET. REMOVALS SHALL BE BACK TO EXISTING FINISH STONE SURFACE.
32. REMOVE EXISTING GOAL POST AND INFILL AND DISPOSE OFF SITE. FRAME/BOX TO REMAIN. PROTECT. PROVIDE NEW INFILL AT COVER.
33. CONTRACTOR SHALL MARK OUT FOUR CORNERS OF SOCCER FIELD ON GRAVEL FOR COORDINATION.
34. CONTRACTOR SHALL CONFIRM DISCONNECT OF POWER PRIOR TO REMOVALS.
35. REMOVE EXISTING GOAL POST AND BASE, INFILL FRAME/BOX AND DISPOSE OFFSITE. PROTECT EXISTING FOOTING AND GROUND SLEEVE. PROVIDE NEW BASE FRAME, COVERS, CLAMP SYSTEM, AND GOAL POST AS SPECIFIED TO MATCH EXISTING GROUND SLEEVE SYSTEM IN PLACE. IF EXISTING SLEEVE AND FOOTING ARE NOT COMPATIBLE WITH NEW GOAL POST, PROVIDE NEW SLEEVE, CONCRETE FOOTING, AND REINFORCING STEEL AS DIRECTED BY MANUFACTURER. ADJUST FRAME BOX AND GOAL POST TO PROPOSED ELEVATIONS TO MEET NCAA STANDARDS AND RULES.
36. REMOVE PAVEMENT AND HAUL OFFSITE. REMOVE SUBBASE MATERIAL TO MEET SUBGRADE OF PROPOSED SURFACE. COMPACT AND PROOF ROLL PRIOR TO INSTALLATION OF PROPOSED DRAINAGE AND PAVEMENT SUBGRADE AS DETAILED.
37. CAREFULLY REMOVE RAMP, HANDRAILS, AND ACCESSORIES FOR REUSE. STOCKPILE ONSITE. PROTECT.
38. REINSTALL STOCKPILED RAMP, HANDRAILS, AND ACCESSORIES. CONTRACTOR TO PROVIDE ALL HARDWARE TO ACCOMPLISH WORK MEETING MANUFACTURERS RECOMMENDATIONS AND ADA COMPLIANCE.
39. REMOVE EXISTING RIP RAP AND FABRIC AND HAUL OFF SITE. CONTRACTOR HAS THE OPTION TO REUSE THE RIP RAP ON SITE. CONTRACTOR SHALL PROVIDE FABRIC AND RIP RAP TO A 12" DEPTH AS SHOWN ON THE PLANS.
40. ABANDON EXISTING STORM LINE IN PLACE. FLUSH PIPE FULL WITH FLOWABLE FILL AND CAP ENDS WATER TIGHT.
41. PAINT RISE OF STEP YELLOW.
42. PROVIDE BREAK IN NETTING, TOTAL (4).

SURVEY NOTES - CORTLAND HIGH SCHOOL

BOUNDARY AND TOPOGRAPHIC INFORMATION WAS TAKEN FROM THE FOLLOWING:

TITLE "TOPOGRAPHIC & BOUNDARY SURVEY OF CORTLAND JR. SR. HIGH SCHOOL, CORTLAND ENLARGED CITY SCHOOL DISTRICT, TOWN OF CORTLANDVILLE & CITY OF CORTLAND, CORTLAND COUNTY, NY. PREPARED BY BOLTON LAND SURVEYING P.C., P.O. BOX 265, PULASKI, NY 13142, TEL: (315) 298-5210, FAX: (315)298-5787. DATED JUNE 14, 2011.

MAP REFERENCES:

1) JR. SR. SITE SURVEY, CORTLAND ENLARGED CITY SCHOOL DISTRICT. BY HUNT ENGINEERS ARCHITECTS SURVEYORS CIRCA 2007.

2) TOPOGRAPHIC SURVEY OF CORTLAND JR. & SR. HIGH SCHOOL CITY OF CORTLAND, CORTLAND COUNTY, N.Y.: BY MANZARI & REAGAN LAND SURVEYORS AND DATED 1/28/1997.

3) RECONSTRUCTION TO CORTLAND JR.-SR. HIGH SCHOOL: CORTLAND ENLARGED CITY SCHOOL DISTRICT: BY TETRA TECH ARCHITECTS & ENGINEERS AND DATED JULY 2, 2010.

MAP NOTES:

1) NORTH ORIENTATION IS PER MAGNETIC OBSERVATION TAKEN ON AUGUST 22, 2009.

2) VERTICAL DATUM IS BASED ON MAP REFERENCE #.

3) THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OR UP TO DATE TITLE REPORT AND IS THEREFORE SUBJECT TO ANY EASEMENTS, RESTRICTIONS, COVENANTS OR ANY STATEMENT OF FACTS THAT SUCH DOCUMENTS MAY DISCLOSE.

4) UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM DATA OBTAINED BY FIELD SURVEY, PREVIOUS MAPS AND RECORDS, AND FROM PAROLE TESTIMONY MADE BY SCHOOL DISTRICT AND UTILITY COMPANY PERSONNEL. THERE MAY BE OTHER UNDERGROUND UTILITIES, THE EXISTENCE OF WHICH ARE NOT KNOWN TO THE UNDERSIGNED. SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES MUST BE VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO ANY CONSTRUCTION.

5) 2 FOOT CONTOURS IN HEAVILY WOODED AREAS ARE TAKEN FROM CORTLAND COUNTY GIS UTILIZING LIDAR PHOTOGRAPHIC MAPPING (SHOWN AS DASHED CONTOURS).

UTILITY INFORMATION:

SERVICE	OPERATING AUTHORITY
ELECTRIC	NATIONAL GRID/CENTRAL
WATER	CORTLAND WATER BOARD
TELEPHONE	VERIZON/SYRACUSE B
SANITARY	CITY OF CORTLAND DPW
GAS	NYS ELECTIC & GAS/ITHACA GAS
CABLE	TIME WARNER CABLE/CORTLAND

BENCHMARKS:

BM-1 : TOP OF NUT ON FIRE HYDRANT LOCATED AT SOUTHWEST CORNER OF TRACK ELEV.= 1247.59'

BM-2 : TOP NUT ON FIRE HYDRANT LOCATED NORTH OF PRESSBOX ELEV. = 1249.85'

BM-3 : TOP NUT ON FIRE HYDRANT LOCATED SOUTH OF CORTLAND HIGH SCHOOL ELEV. = 1251.19'

BM-4 : TOP NUT ON FIRE HYDRANT (NOT SHOWN) LOCATED EAST OF CORTLAND HIGH SCHOOL ELEV. = 1241.16'

BM-5 : TOP NUT ON FIRE HYDRANT (NOT SHOWN) LOCATED WEST OF CORTLAND HIGH SCHOOL ELEV. = 1253.21'

BM-6 : TOP NUT ON FIRE HYDRANT (NOT SHOWN) LOCATED NORTHEAST OF CORTLAND HIGH SCHOOL ELEV. = 1240.11'

SURVEY VERIFICATION/COORDINATION - CORTLAND HIGH SCHOOL

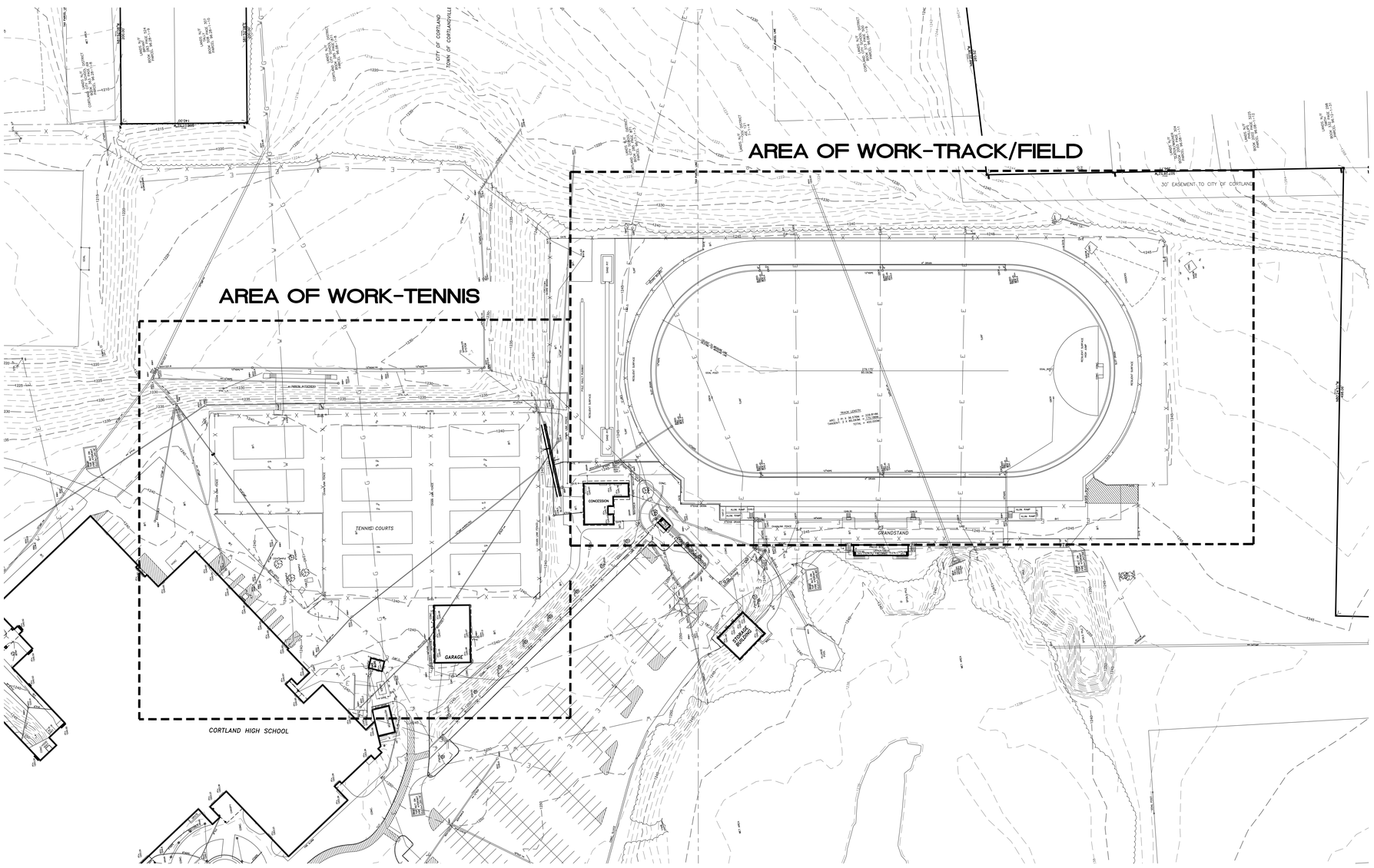
CONTRACTOR IS RESPONSIBLE FOR VERIFICATION / COORDINATE OF ALL INFORMATION (BENCHMARKS, ELEVATIONS, UTILITIES, ELEMENTS, TREES, ETC.) SHOWN ON THIS SURVEY AND CALIBRATING THIS INFORMATION WITH ACTUAL "IN THE FIELD" DATA. THIS SURVEY IS PROVIDED FOR THE BENEFIT OF THE CONTRACTOR AND GENERAL DESIGN INTENT IS SHOWN. NO ADDITIONAL COSTS WILL BE ALLOWED SHOULD INFORMATION SHOWN ON THE SURVEY AND FIELD DATA VARY.

PARKING SUMMARY - CORTLAND HIGH SCHOOL

LOT	EXISTING	PROPOSED	HC
BUS LOOP	10	10 (NO CHANGE)	2
WEST PARKING LOT	25	25 (NO CHANGE)	1
EAST PARKING LOT	82	82 (NO CHANGE)	5
TOTAL CAR PARKING	117	117	8

LEGEND - CORTLAND HIGH SCHOOL

EXISTING	PROPOSED	DESCRIPTION
	CLL	CONTRACT LIMIT LINE
	MATCHLINE	MATCHLINE
		STREET LINE / PROPERTY EDGE
100	100	CONTOUR
		CURB
		PAVEMENT EDGE
		SAWCUT LINE
		UTILITY REMOVAL
		CURB REMOVAL
OHW		OVERHEAD WIRES
W		WATER LINE
G		GAS LINE
T		BURIED TELEPHONE LINE
FO		BURIED FIBER OPTIC LINE
E		BURIED ELECTRIC LINE
		SANITARY SEWER - SIZE / TYPE
	6" ST	STORM SEWER - SIZE / HDPE
	8" SMT	STORMWATER MANAGEMENT TRENCH
	8" SMT - 2	STORMWATER MANAGEMENT TRENCH
	F-DRAIN	12" FLAT DRAIN
		UTILITY POLE
NYSEG BA-1		UTILITY POLE WITH LIGHT
		GUY WIRE
	LM	LOCATION MONUMENT
LP		LIGHT POLE
CIPF		CAPPED IRON ROD FOUND
IRF		IRON ROD FOUND
IPF		IRON PIPE FOUND
EBOX		ELECTRIC BOX
PIV		POST INDICATOR VALVE
BOL	MB	METAL BOLLARD
		TRAFFIC SIGN
HYD		FIRE HYDRANT
WV		WATER VALVE
CBRO	SI	CATCH BASIN / STORM INLET
DMH	MH / DMH	STORM MANHOLE / DOGHOUSE MANHOLE
SMH		SANITARY MANHOLE
CO		CLEANOUT
GV		GAS VALVE
CHAIN LINK FENCE	12' C.L. FENCE	VINYL CLAD CHAIN LINK FENCE
		FENCE IN GRADE BEAM
		WOOD GUIDE RAIL
257.25	456.50	SPOT GRADE
	F.V.	FIELD VERIFY
	TYP.	TYPICAL
	TW/BW	TOP/BOTTOM OF WALL
	T/B	TOP/BOTTOM OF CURB
	UFG/LFG	UPPER FINISH GRADE/LOWER FINISH GRADE
	BR/TR	BOTTOM RAMP/TOP RAMP
		EDGE OF WOODS
		TREES / SHRUBS
		DRAINAGE FLOW DIRECTION
		DETAIL FLAG
	1	CONSTRUCTION NOTE
		REMOVE EXISTING PAVEMENT (FULL DEPTH)
		REMOVE PAVEMENT AND SUBBASE ONLY TO SUBGRADE OF PROPOSED SURFACE
		REMOVE PAVEMENT TO EXISTING SUBBASE
	MDA	MEDIUM DUTY ASPHALT
	HDA	HEAVY DUTY ASPHALT
	HDA-2	HEAVY DUTY ASPHALT MODIFIED
	HDC	HEAVY DUTY CONCRETE WITH SCORING
	RTS	TRACK REPAIR AND STRUCTURAL RESPRAY
	CS	MDA WITH COURT COLOR SURFACING
		LAWN TYPE 1 - 4" TOPSOIL, SEED AND MULCH
		LAWN TYPE 2 - 4" TOPSOIL, SEED AND STRAW MAT
		RIP RAP - WITH STABILIZING FABRIC



CORTLAND HIGH SCHOOL - SITE SURVEY

king+king ARCHITECTS

CORTLAND ENLARGED CITY SCHOOL DISTRICT
2021 CAPITAL PROJECT - PHASE 2

1 VALLEY VIEW DR.
CORTLAND, NY 13045

KING + KING PROJ. NO.: 22-44-7442

SED PROJECT NUMBERS:
A: BUILDING JR/SR. HS: 11-02-00-02-0-007-017
B: BUILDING Randall: 11-02-00-01-0-002-012

appel osborne landscape architecture
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TIMOTHY J. BONGARTZ
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STATE OF NEW YORK
Registration current through: 8/31/2026

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SCALE: AS SHOWN
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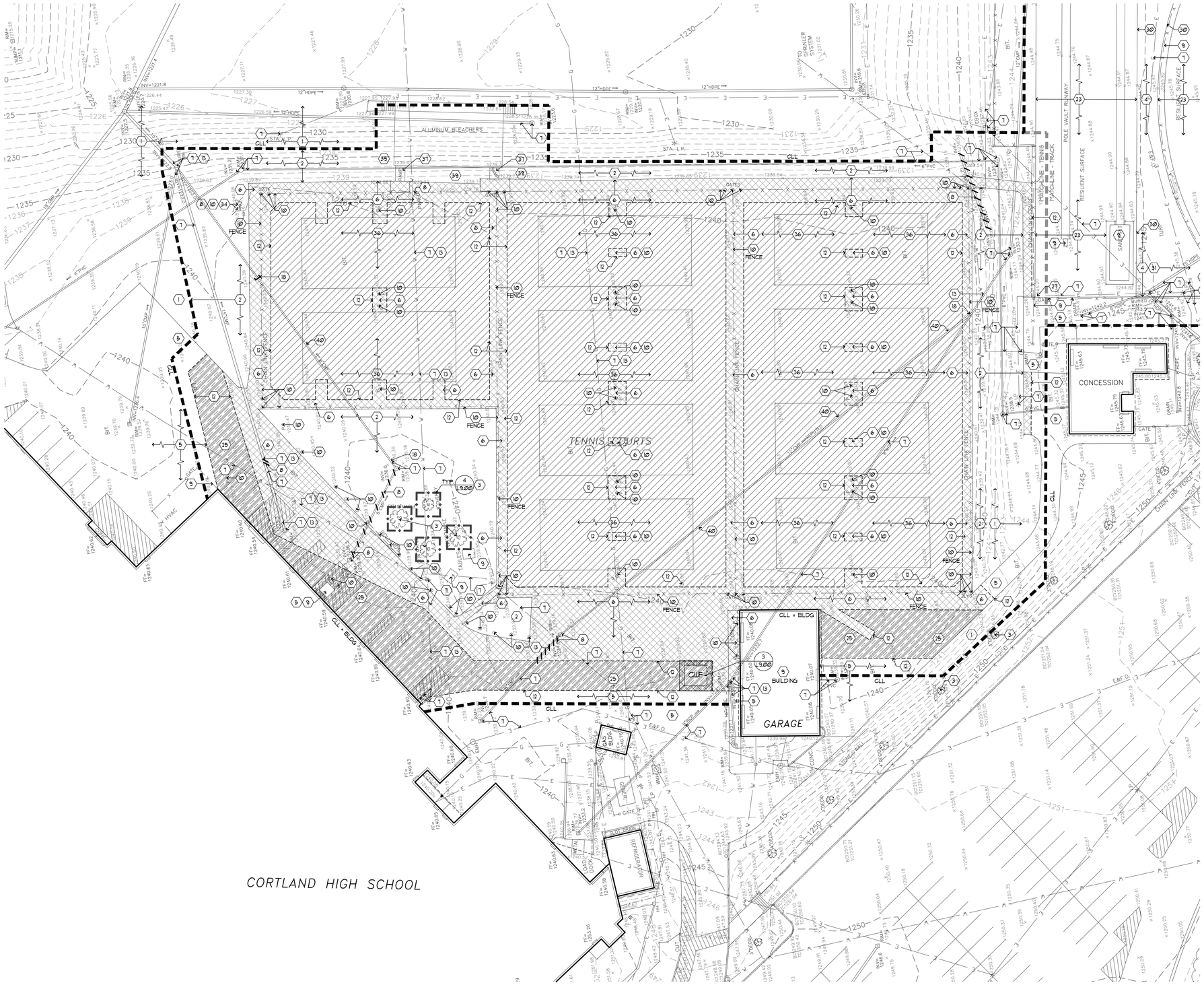
SITE SURVEY, LEGEND, and SITE NOTES

A L0.01



CORTLAND HIGH SCHOOL - TENNIS SITE PREPARATION PLAN

king + king ARCHITECTS

CORTLAND ENLARGED CITY SCHOOL DISTRICT
2021 CAPITAL PROJECT - PHASE 2

1 VALLEY VIEW DR.
CORTLAND, NY 13045

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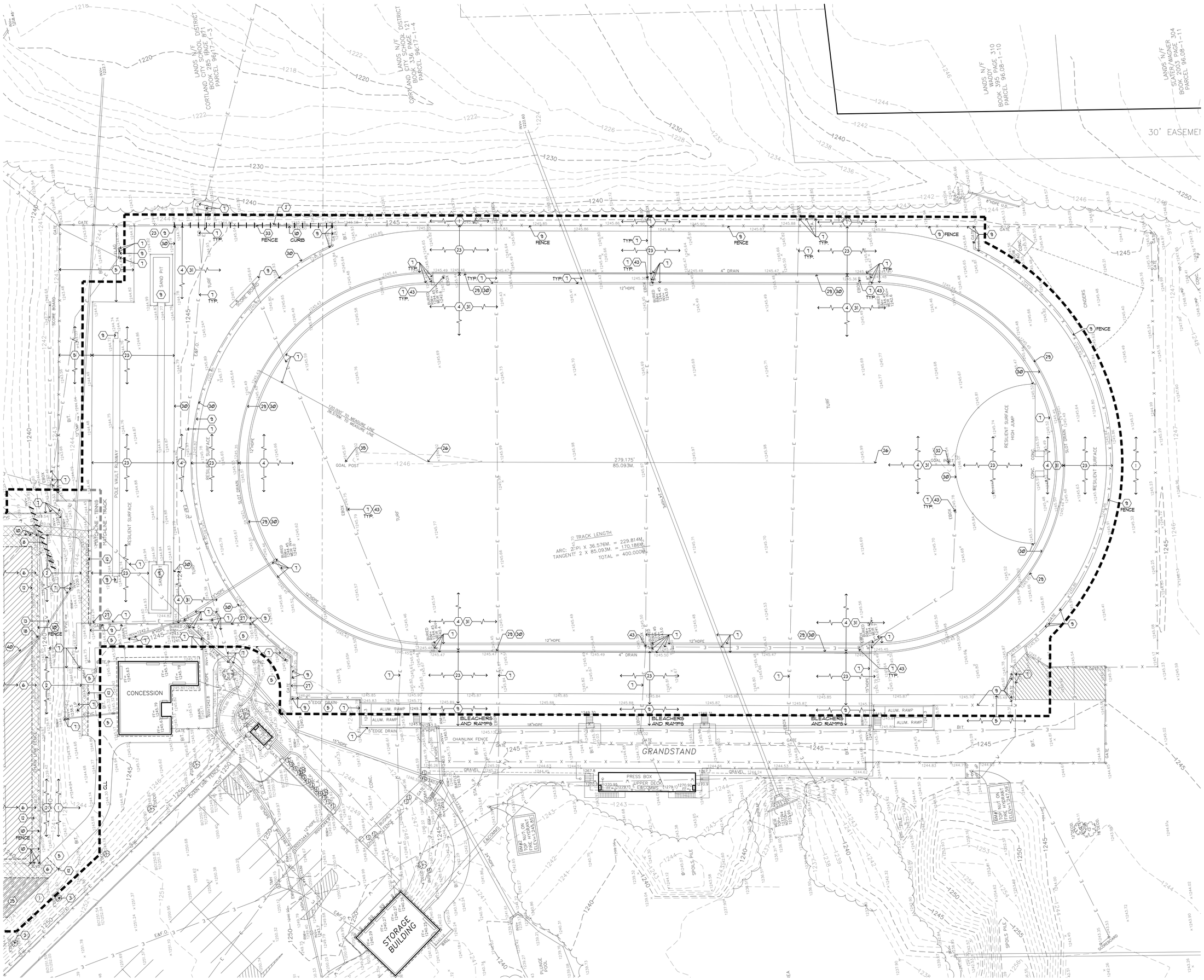

CORTLAND HIGH SCHOOL - TRACK/FIELD SITE PREPARATION PLAN

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SCALE IN FEET

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CORTLAND ENLARGED CITY SCHOOL DISTRICT
2021 CAPITAL PROJECT - PHASE 2

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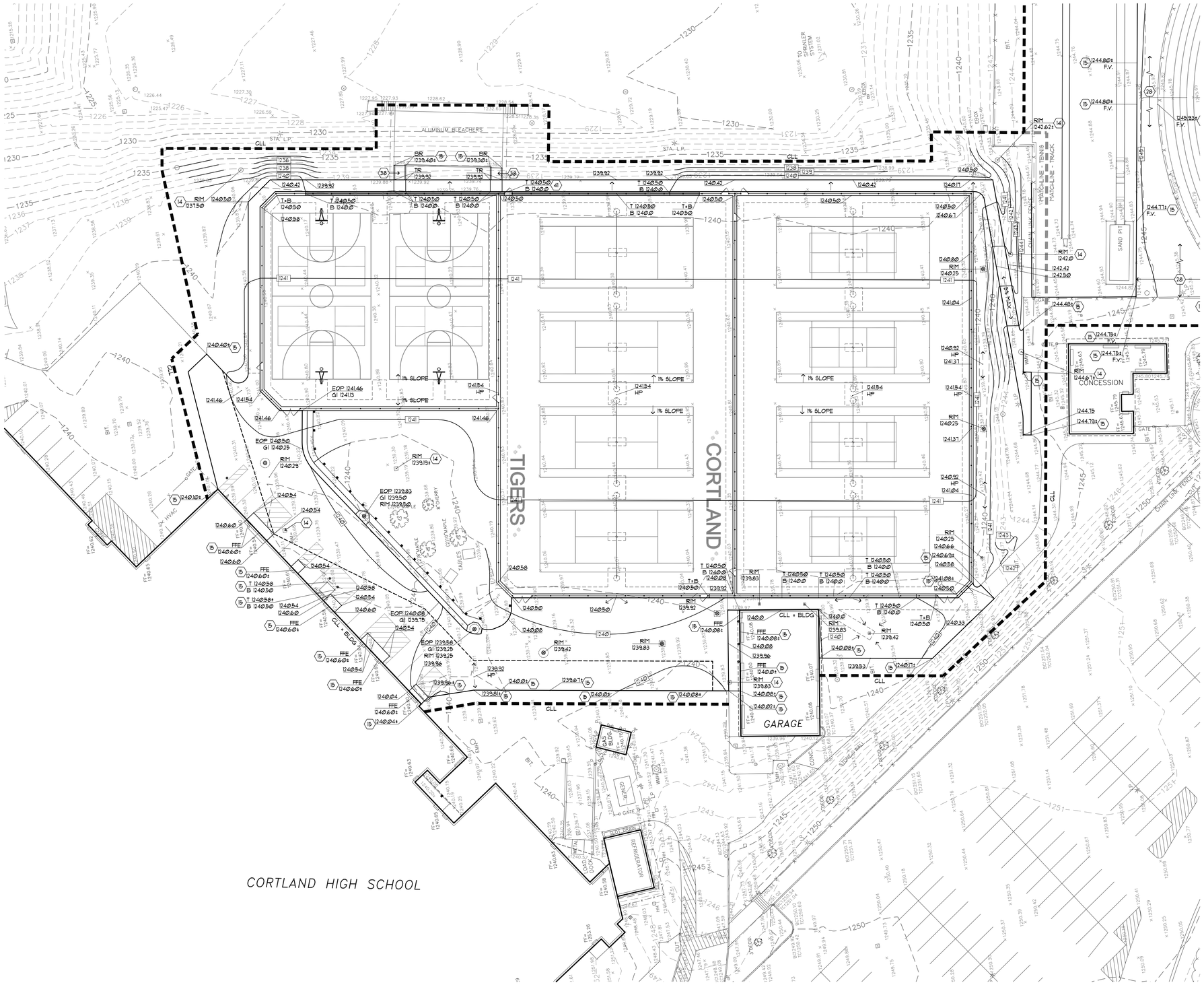

CORTLAND HIGH SCHOOL - TENNIS GRADING and DRAINAGE PLAN

king + king ARCHITECTS

CORTLAND ENLARGED CITY SCHOOL DISTRICT
2021 CAPITAL PROJECT - PHASE 2

1 VALLEY VIEW DR.
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SED PROJECT NUMBERS:
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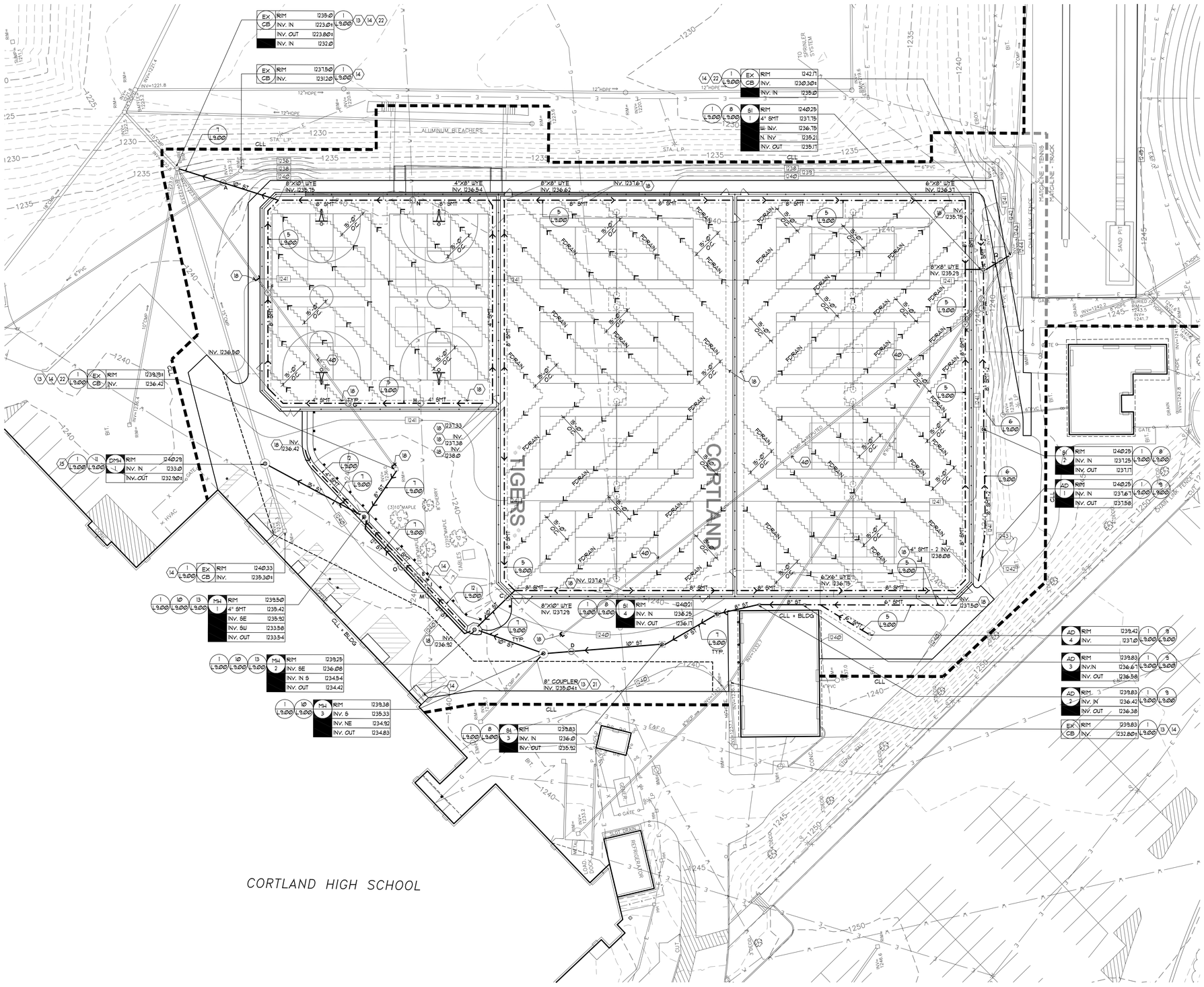


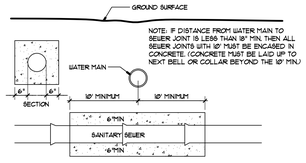
PIPE CROSSING SCHEDULE

	DESCRIPTION	INVERTS	SEPARATION	DIRECTION
A	BOTTOM OF PR 10" ST TOP OF EX 6" PVC	FG = 1238.92 INV = 1233.16 TOP = 1231.60 INV = 1231.10	1.56'	
B	BOTTOM OF PR 4" SMT TOP OF EX W	FG = 1239.75 INV = 1236.43 TOP = 1235.17	1.26'	PROVIDE CONCRETE SADDLE. SEE DETAIL 1/L1.02
C	BOTTOM OF PR 10" ST TOP OF EX W	FG = 1240.50 INV = 1237.06 TOP = 1234.83	2.17'	
D	BOTTOM OF PR 10" ST TOP OF EX W	FG = 1239.52 INV = 1235.13 TOP = 1234.29	0.84'	PROVIDE CONCRETE SADDLE. SEE DETAIL 1/L1.02
E	BOTTOM OF EX ELEC TOP OF PR 12" ST	FG = 1243.42 INV = 1240.75 TOP = 1237.98 INV = 1236.98	2.77'	
F	BOTTOM OF PR 8" SMT TOP OF ABANDONED ST	FG = 1241.08 INV = 1236.14 TOP = 1229.03	7.11'	
G	BOTTOM OF PR 4" SMT TOP OF ABANDONED ST	FG = 1241.42 INV = 1236.83 TOP = 1233.89	2.94'	
H	BOTTOM OF PR 4" SMT TOP OF EX WATER	FG = 1241.42 INV = 1237.13 TOP = 1235.83	1.3'	PROVIDE CONCRETE SADDLE. SEE DETAIL 1/L1.02
I	BOTTOM OF PR 4" SMT TOP OF EX WATER	FG = 1239.75 INV = 1236.50 TOP = 1235.17	1.33	PROVIDE CONCRETE SADDLE. SEE DETAIL 1/L1.02
J	BOTTOM OF PR 8" SMT TOP OF ABANDONED ST	FG = 1241.19 INV = 1235.36 TOP = 1231.68	3.68'	
K	BOTTOM OF PR 8" SMT TOP OF EX STORM	FG = 1241.21 INV = 1235.38 TOP = 1231.33	4.05'	
L	BOTTOM OF PR 8" SMT TOP OF EX WATER	FG = 1240.38 INV = 1235.21 TOP = 1234.58	0.63'	PROVIDE CONCRETE SADDLE. SEE DETAIL 1/L1.02
M	BOTTOM OF EX WATER TOP OF PR 12" ST	FG = 1239.83 INV = 1233.83± TOP = 1235.18 INV = 1234.10±11	0.27'	PROVIDE CONCRETE SADDLE. SEE DETAIL 1/L1.02
N	BOTTOM OF EX WATER TOP OF PR 8" SMT	FG = 1239.92 INV = 1233.92± TOP = 1234.98 INV = 1233.98	1.06'	
O	BOTTOM OF EX WATER TOP OF PR 12" ST	FG = 1240.0 INV = 1234.45 TOP = 1235.08 INV = 1233.91	2.26'	PROVIDE CONCRETE SADDLE. SEE DETAIL 1/L1.02

ALL NUMBERS ARE APPROXIMATE. CONTRACTOR TO VERIFY DEPTHS PRIOR TO LAYING UTILITIES. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.

ASSUMPTIONS:
- 5'-0" OF COVER OVER EXISTING WATER LINES
- 30" OF COVER OVER EXISTING ELECTRIC LINES
- 2" CONDUIT AT ELECTRIC LINES ONLY

WHERE THE VERTICAL SEPARATION IS LESS THAN 18", THE SEWER PIPE SHALL BE WATERWORKS GRADE 150 PSI PRESSURE RATED PIPE FOR A DISTANCE OF 10' EACH SIDE OF THE CROSSING. IT SHALL BE PRESSURE TESTED TO ENSURE WATER TIGHTNESS.



WATER MAIN / SANITARY CROSSING - < 18" CLEAR
SECTION • NOT TO SCALE 3340-111

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CORTLAND HIGH SCHOOL - TENNIS UTILITIES PLAN

king + king ARCHITECTS

CORTLAND ENLARGED CITY SCHOOL DISTRICT
2021 CAPITAL PROJECT - PHASE 2

1 VALLEY VIEW DR.
CORTLAND, NY 13045

KING + KING PROJ. NO.: 22-44-7442

SED PROJECT NUMBERS:
A: BUILDING JR/SR. HS: 11-02-00-02-0-007-017
B: BUILDING Randall: 11-02-00-01-0-002-012

appel osborne landscape architecture
201 West Fayette Street, Suite 100
Syracuse, NY 13204 | (315) 474-1022

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Registration current through: 8/31/2026

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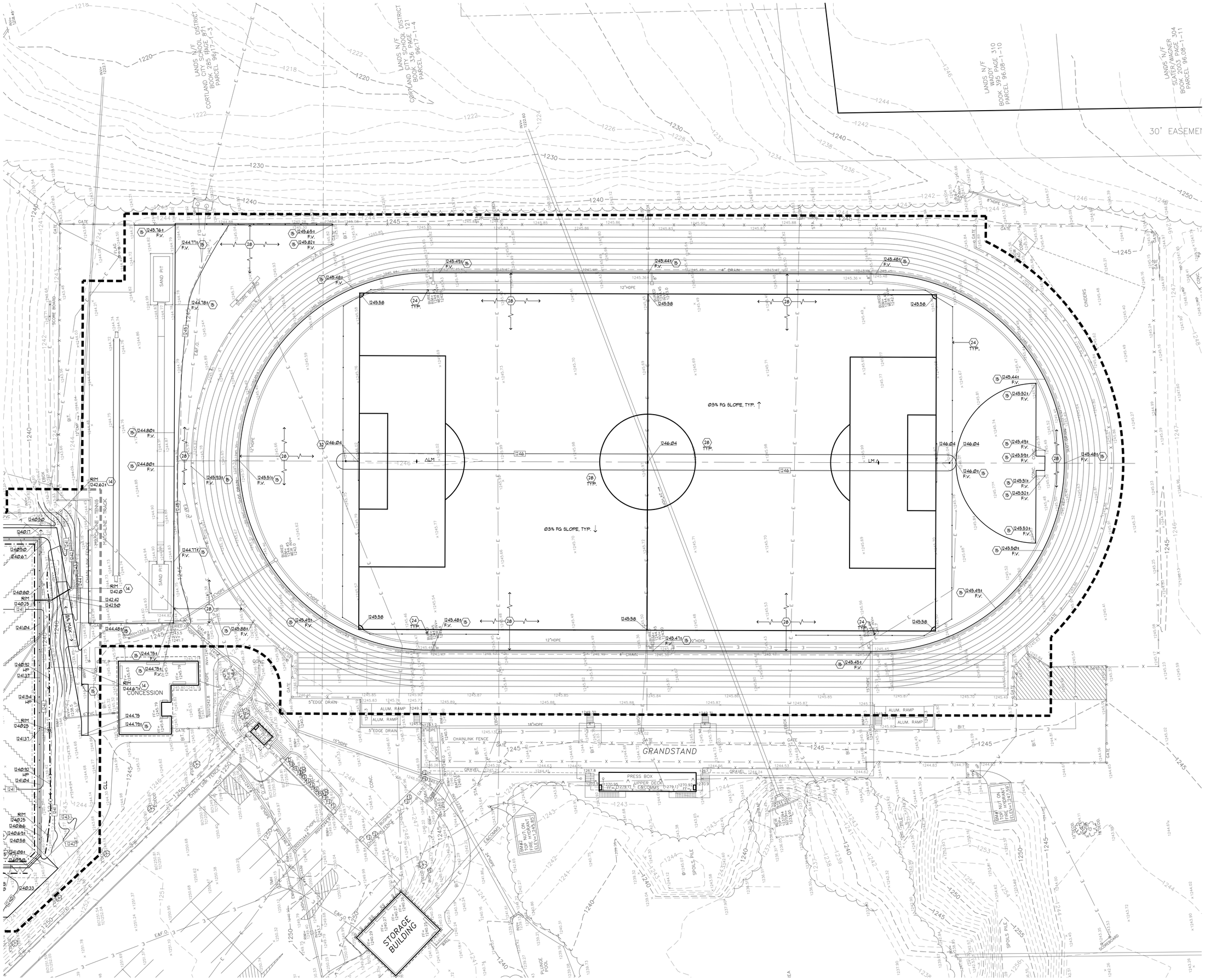
A **L1.02**



CORTLAND HIGH SCHOOL - TRACK/FIELD GRADING, DRAINAGE, and UTILTIES PLAN

0 10 20 40 60
SCALE IN FEET

king + king ARCHITECTS

CORTLAND ENLARGED CITY SCHOOL DISTRICT
2021 CAPITAL PROJECT - PHASE 2

1 VALLEY VIEW DR.
CORTLAND, NY 13045

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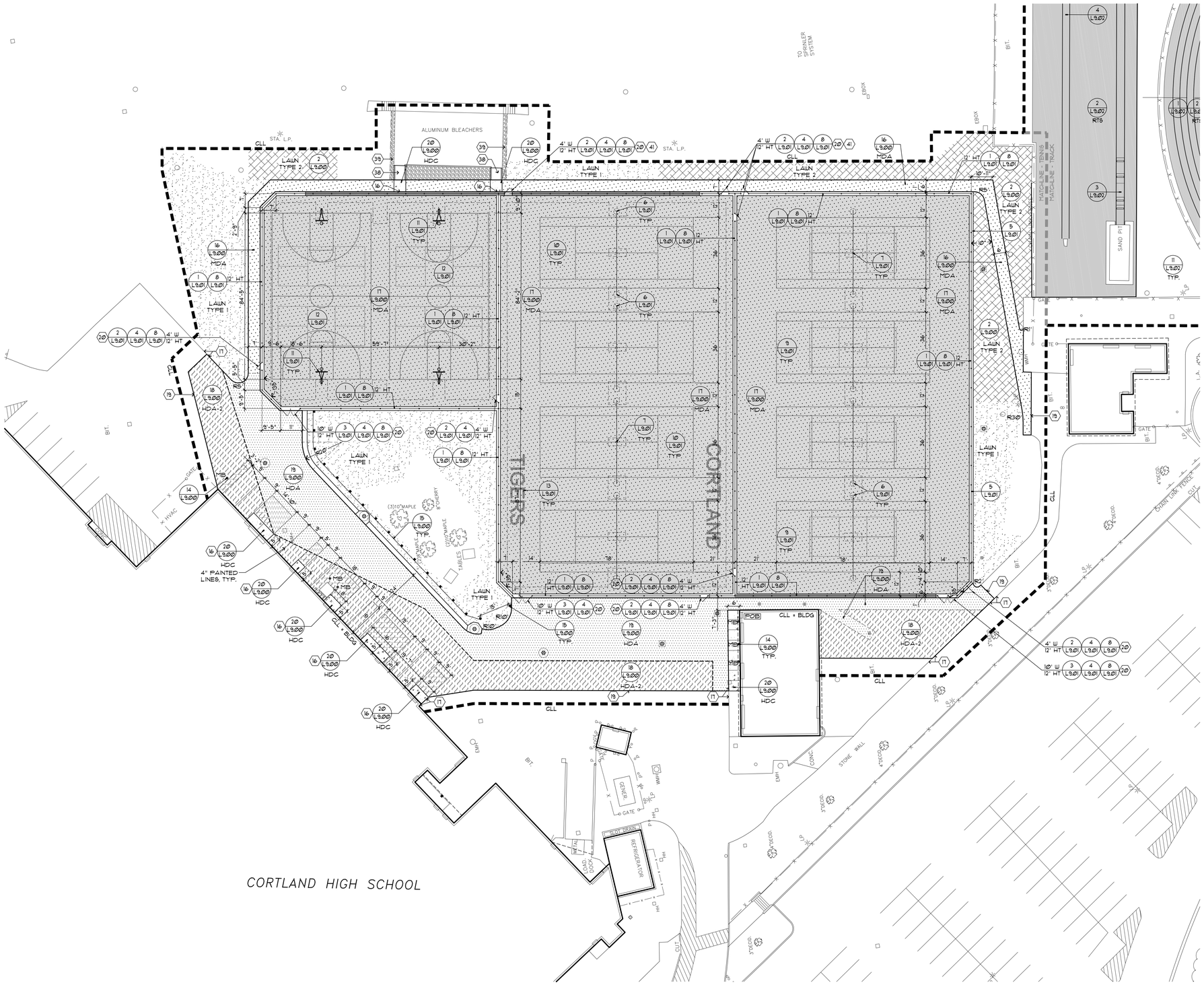
A **L1.03**



CORTLAND HIGH SCHOOL - TENNIS LAYOUT PLAN

king + king ARCHITECTS

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TENNIS LAYOUT PLAN

A **L1.04**

TRACK LAYOUT CALCULATIONS

MEASURE LINE CALCULATIONS AND ASSUMPTIONS UTILIZED IN NEW LAYOUT.
VERIFY PRIOR TO COMMENCEMENT ONCE RADIUS MONUMENTS ARE LOCATED.
NOTIFY ARCHITECT OF ANY DISCREPANCIES IMMEDIATELY.

METER = 3.28083 FEET
400 METERS = 1312.34 FEET

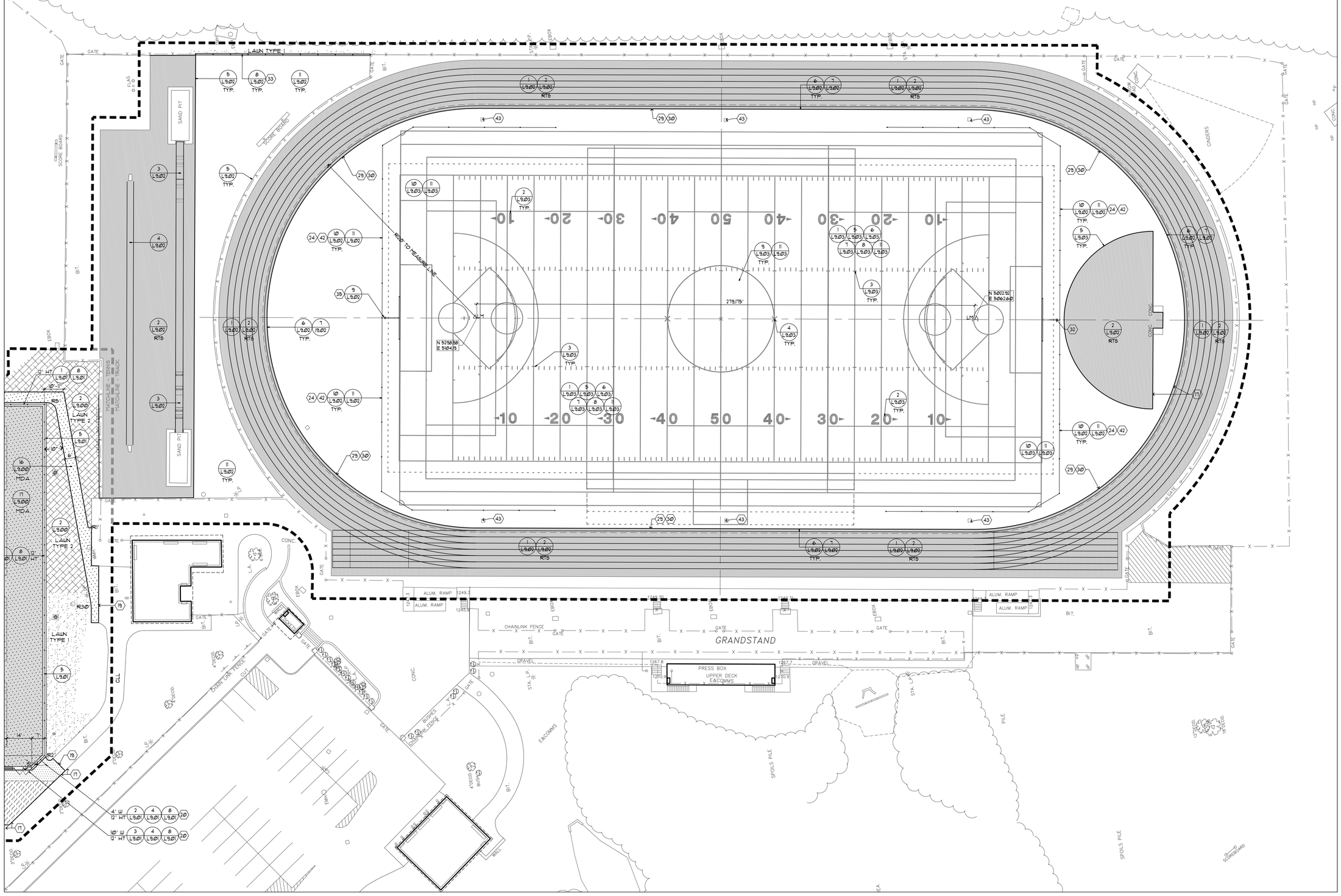
400 METERS = 1312.3359 FEET = MINIMUM MEASURE LINE

STRAIGHT LINES OF TRACK (BETWEEN PC & PT) = 279.175' FIELD VERIFY

TANGENT LINE = 279.175' FIELD VERIFY

RADIUS = R = 120' FIELD VERIFY

2π R = 2 TANGENT = 1312.341' MIN.



CORTLAND HIGH SCHOOL - TRACK/FIELD LAYOUT PLAN

0 10 20 40 60
SCALE IN FEET

king + king ARCHITECTS

CORTLAND ENLARGED CITY SCHOOL DISTRICT
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CORTLAND, NY 13045

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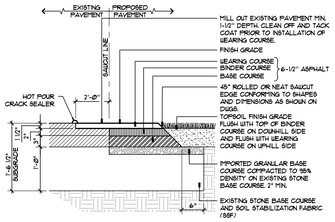
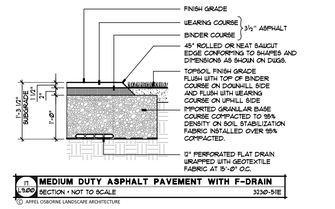
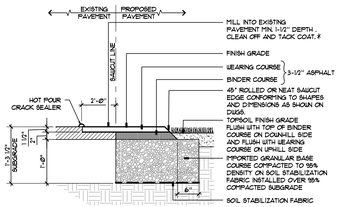


HEAVY DUTY ASPHALT MODIFIED = HDA-MOD
SECTION • NOT TO SCALE — 3212-014C
APPEL OSBORNE LANDSCAPE ARCHITECTURE

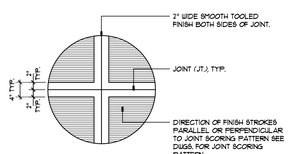


MEDIUM DUTY ASPHALT PAVEMENT WITH F-DRAIN
SECTION • NOT TO SCALE — 3232-511E
APPEL OSBORNE LANDSCAPE ARCHITECTURE

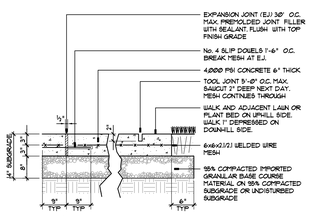


OVERLAPPING OF JOINTS BETWEEN ASPHALT COURSES IS REQUIRED.

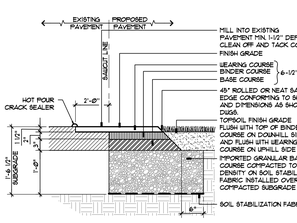
MEDIUM DUTY ASPHALT PAVEMENT = MDA
SECTION • NOT TO SCALE — 3212-001B
APPEL OSBORNE LANDSCAPE ARCHITECTURE



PICTURE FRAME

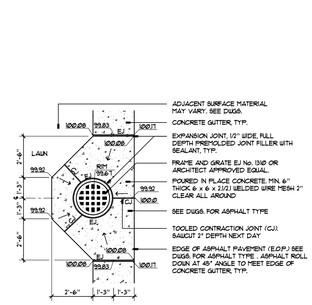


CONCRETE WALK - HEAVY DUTY = HDC
SECTION • NOT TO SCALE — 3213-203
APPEL OSBORNE LANDSCAPE ARCHITECTURE



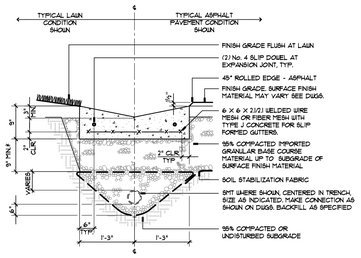
OVERLAPPING OF JOINTS BETWEEN ASPHALT COURSES IS REQUIRED

HEAVY DUTY ASPHALT PAVEMENT = HDA
SECTION • NOT TO SCALE — 3212-001C
APPEL OSBORNE LANDSCAPE ARCHITECTURE



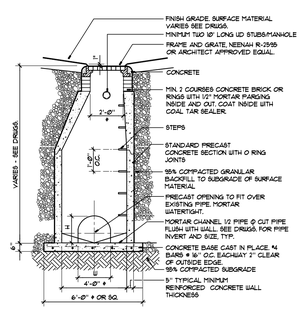
NOTES:
1. GRADES SHOWN ON THIS DETAIL ARE THEORETICAL. SEE DWGS. FOR ACTUAL GRADES.
2. REFER TO CONCRETE GUTTER DETAIL FOR MORE JOINT REQUIREMENTS.

CONCRETE GUTTER INLET
SECTION • NOT TO SCALE — 3213-181
APPEL OSBORNE LANDSCAPE ARCHITECTURE



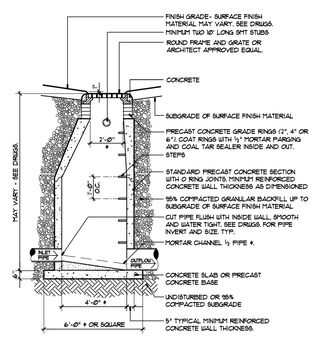
NOTES:
1. EXPANSION JOINT (FORMED SYSTEM) 1/2" WIDE, 30' O.C. WITH (2) No. 4 SLIP DOWELS 1'-6" LONG, INSERTED EQUAL LENGTHS EITHER SIDE OF JOINT, SEAL JOINT SIMILAR TO WALKS. BREAK MESH AT EXPANSION JOINTS.
2. EXPANSION JOINT (SLIP FORMED SYSTEM) ½" WIDE WITH (2) No. 4 SLIP DOWELS 1'-6" LONG INSERTED EQUAL LENGTHS EITHER SIDE OF JOINT, AT AREAS OF SLIP FORMING STOPAGE.
3. CONTRACTION JOINT (BOTH SYSTEMS) 10' O.C. SAW CUT 2" DEEP NEXT DAY AFTER POUR. MESH CONTINUES THROUGH.
4. MATCH SUBGRADE ELEVATION AT PAVEMENT.

CONCRETE GUTTER WITH SMT
SECTION • NOT TO SCALE — 3213-181C
APPEL OSBORNE LANDSCAPE ARCHITECTURE

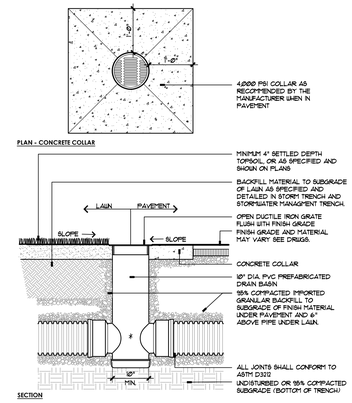


NOTE: W AND H SHALL BE SIZED TO FIT OVER EXISTING PIPE NOTED ON DRAWINGS.

STORM MANHOLE OVER EXISTING PIPE = DMH
SECTION • NOT TO SCALE — 3340-203E
APPEL OSBORNE LANDSCAPE ARCHITECTURE

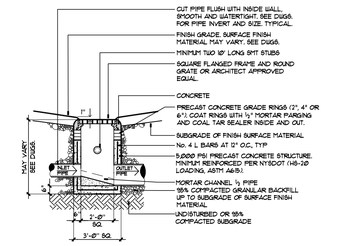


STORM MANHOLE = MH
SECTION • NOT TO SCALE — 3340-203A
APPEL OSBORNE LANDSCAPE ARCHITECTURE

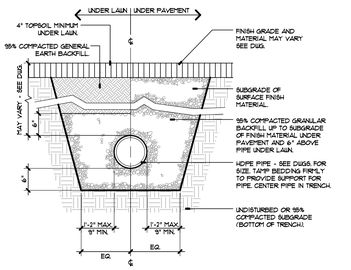


PROVIDE STORM DRAIN "BRANCHES" AS SHOWN ON THE PLANS FOR EACH STRUCTURE

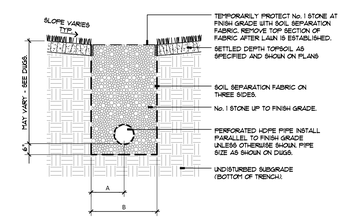
AREA DRAIN = AD
SECTION and PLAN • NOT TO SCALE — 3340-204C
APPEL OSBORNE LANDSCAPE ARCHITECTURE



STORM INLET - SI
SECTION • NOT TO SCALE — 3340-202A
APPEL OSBORNE LANDSCAPE ARCHITECTURE

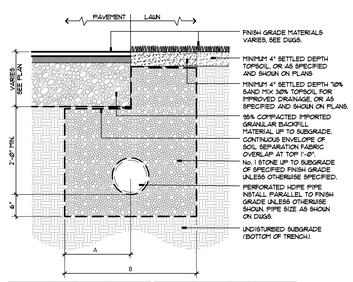


STORM TRENCH = ST
SECTION • NOT TO SCALE — 3340-195A
APPEL OSBORNE LANDSCAPE ARCHITECTURE



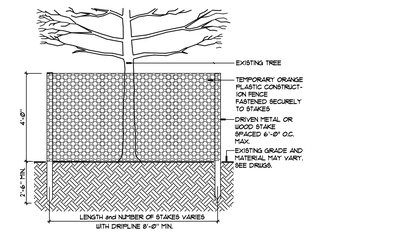
PIPE SIZE	A	B	NOTES	PIPE SIZE	A	B	NOTES
4"	6"	1'-0"	FLEXIBLE	18"	1'-6"	3'-0"	FLEXIBLE
6"	6"	1'-0"	FLEXIBLE	12"	2'-0"	4'-0"	FLEXIBLE
8"	1'-0"	2'-0"	FLEXIBLE				

STORMWATER MGMT TRENCH TYPE 2 = SMT-2
SECTION • NOT TO SCALE — 3340-183
APPEL OSBORNE LANDSCAPE ARCHITECTURE



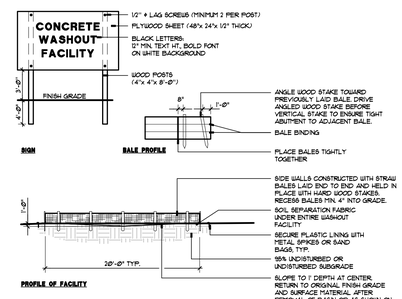
PIPE SIZE	A	B	NOTES	PIPE SIZE	A	B	NOTES
4"	6"	1'-0"	FLEXIBLE	18"	1'-6"	3'-0"	FLEXIBLE
6"	6"	1'-0"	FLEXIBLE	12"	2'-0"	4'-0"	FLEXIBLE
8"	1'-0"	2'-0"	FLEXIBLE				

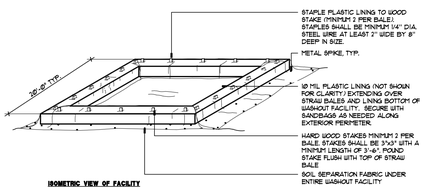
STORMWATER MGMT TRENCH = SMT
SECTION • NOT TO SCALE — 3340-187
APPEL OSBORNE LANDSCAPE ARCHITECTURE



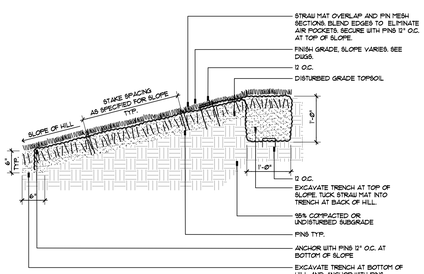
NOTES:
1. PLACE TREE GUARD AT DRIP LINE OF TREE (END OF BRANCHES) MIN. 4' FROM 6 OF TRUNK.
2. MEDIUM/LARGE TREES - CONSTRUCT AS POLYGON AROUND DRIP LINE.
3. SMALL TREES - CONSTRUCT AS SQUARE AROUND DRIP LINE, OR MIN. 4' FROM 6 OF TRUNK, WHICHEVER IS GREATER.

TEMPORARY TREE PROTECTION - FENCE
SECTION • NOT TO SCALE — 2110-001A
APPEL OSBORNE LANDSCAPE ARCHITECTURE

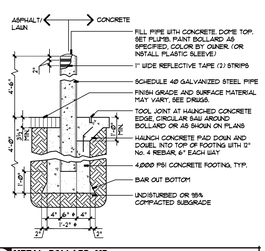




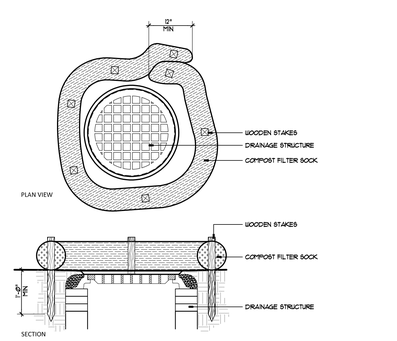
TEMPORARY CONCRETE WASHOUT FACILITY - CWF
SECTION • NOT TO SCALE — 3125-016
APPEL OSBORNE LANDSCAPE ARCHITECTURE



STRAW MAT HILLSIDE
SECTION • NOT TO SCALE — 3125-006
APPEL OSBORNE LANDSCAPE ARCHITECTURE



METAL BOLLARD=MB
SECTION • NOT TO SCALE — 3230-006A
APPEL OSBORNE LANDSCAPE ARCHITECTURE



NOTES:
1. WHEN PLACED IN PAVED AREAS, USE CONCRETE BLOCKS OR SANDBAGS TO ANCHOR THE FILTER SOCK IN LIEU OF STAKES.

STORM STRUCTURE PROTECTION
SECTION • NOT TO SCALE — 3125-001
APPEL OSBORNE LANDSCAPE ARCHITECTURE

king+king ARCHITECTS

CORTLAND ENLARGED CITY SCHOOL DISTRICT
2021 CAPITAL PROJECT - PHASE 2

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CORTLAND, NY 13045

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REGISTERED LANDSCAPE ARCHITECT
TIMOTHY D. BOSWORTH
001682-1
STATE OF NEW YORK
Registration current through 8/31/2026

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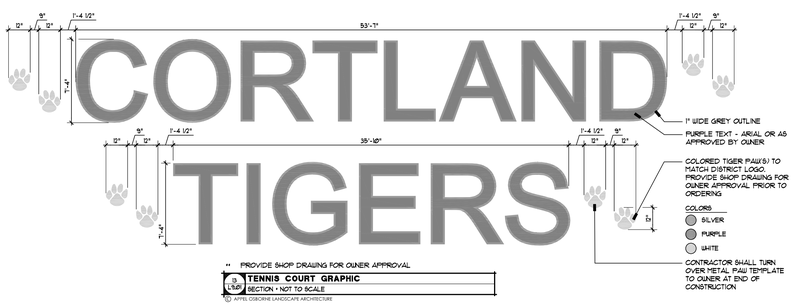
DETAILS

A **L9.00**



TENNIS COURT GRAPHIC
SECTION • NOT TO SCALE
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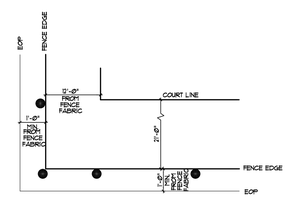

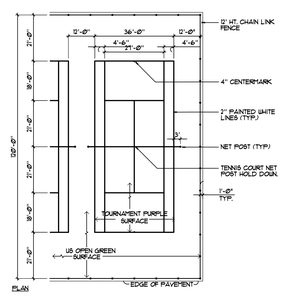

PLAN

NOTES:
1. ALL PAINTED LINES ARE TO BE 2" WIDE.
2. ALL DIMENSIONS ARE TO OUTSIDE EDGE OF PAINTED LINES EXCEPT CENTERLINES.
3. EDGE OF PAVEMENT 1'-0" BEYOND FENCE LINE.
4. COLOR OF SURFACE TO EXTEND 1'-0" BEYOND FENCE LINE TO MATCH EXISTING CONDITIONS

TENNIS COURT LAYOUT
PLAN • NOT TO SCALE 3230-501A
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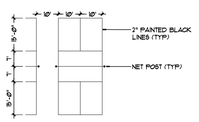
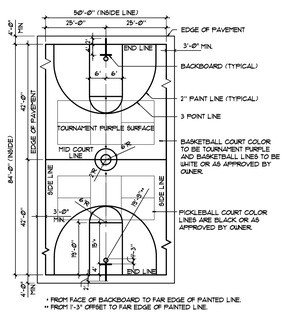


NOTES:
1. ALL PAINTED LINES ARE TO BE 2" WIDE.
2. ALL DIMENSIONS ARE TO OUTSIDE EDGE OF PAINTED LINES EXCEPT CENTERLINES.

PICKLEBALL LAYOUT



BASKETBALL COURT
PLAN • NOT TO SCALE 3230-502A
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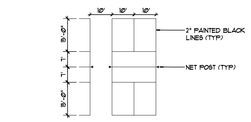
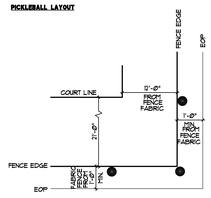
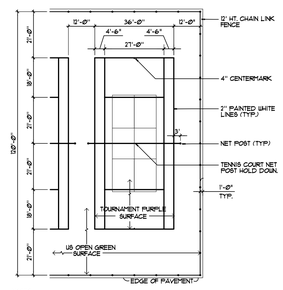


NOTES:
1. ALL PAINTED LINES ARE TO BE 2" WIDE.
2. ALL DIMENSIONS ARE TO OUTSIDE EDGE OF PAINTED LINES EXCEPT CENTERLINES.

PICKLEBALL LAYOUT

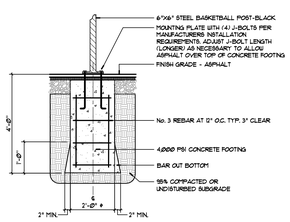




NOTES:
1. ALL PAINTED LINES ARE TO BE 2" WIDE.
2. ALL DIMENSIONS ARE TO OUTSIDE EDGE OF PAINTED LINES EXCEPT CENTERLINES.
3. EDGE OF PAVEMENT 1'-0" BEYOND FENCE LINE.
4. COLOR OF SURFACE TO EXTEND 1'-0" BEYOND FENCE LINE TO MATCH EXISTING CONDITIONS

TENNIS COURT WITH PICKLEBALL LAYOUT

TENNIS COURT WITH PICKLEBALL LAYOUT
PLAN • NOT TO SCALE pickleball
© APPEL OSBORNE LANDSCAPE ARCHITECTURE



*NOTE: NO CONCRETE WILL BE VISIBLE ON THE SURFACE

BASKETBALL BACKBOARD FOOTING
SECTION • NOT TO SCALE 3230-503B
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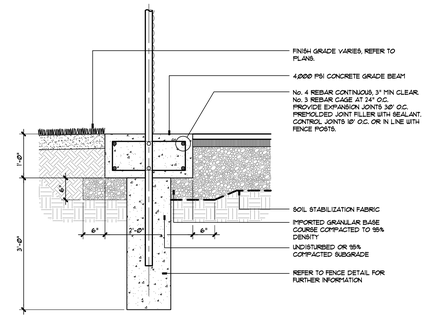
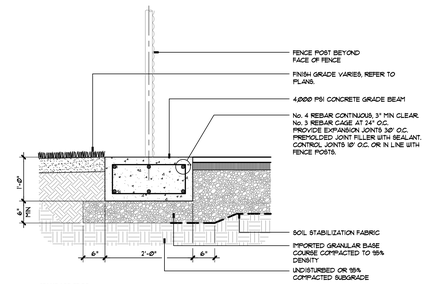
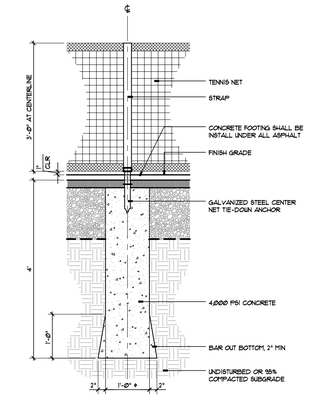


EDGE AT FENCE POST

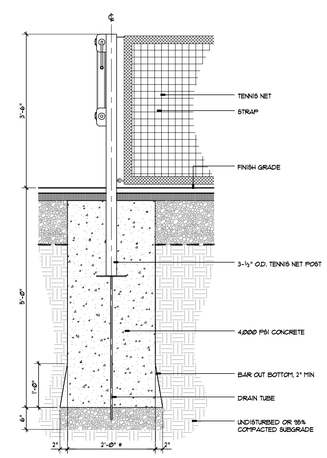


STANDARD EDGE

TENNIS COURT CONCRETE EDGE
SECTION • NOT TO SCALE CONCRETE EDGE
© APPEL OSBORNE LANDSCAPE ARCHITECTURE



TENNIS COURT NET HOLDDOWN
SECTION • NOT TO SCALE 3230-510B
© APPEL OSBORNE LANDSCAPE ARCHITECTURE



TENNIS COURT POST
SECTION • NOT TO SCALE 3230-511B
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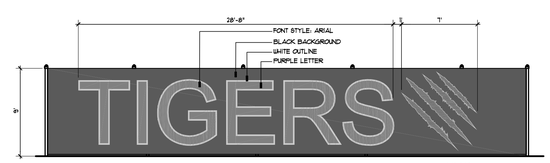

WINDSCREEN GRAPHIC
SECTION • NOT TO SCALE WINDSCREEN GRAPHIC
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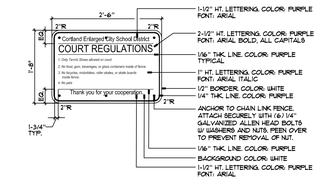
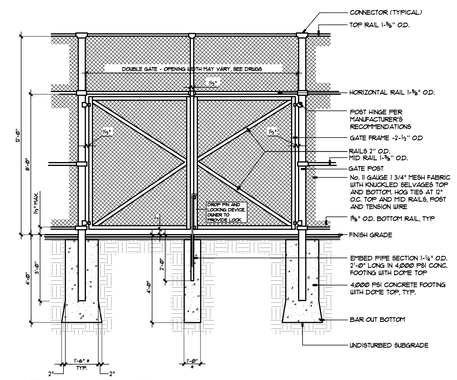


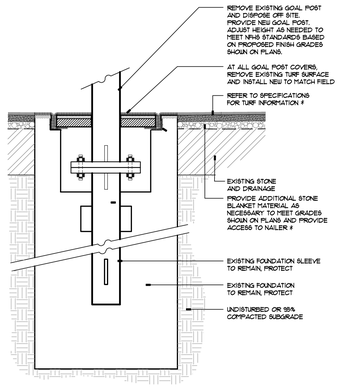
NOTES:
1. PROVIDE FULL SIZE SHOP DRAWINGS FOR APPROVAL.
2. INSTALL SIGNS AS SHOWN ON PLANS.
3. INSTALL ON FENCE AND ANCHOR SECURELY WITH VANDAL RESISTANT HARDWARE.
4. SIGNS SHALL BE ALUMINUM SHEETS .090" (APPROX. 3/32") THICK, WITH TWO COATS OF DUPONT PRIMO SPRAY SEMI-GLOSS PAINT.
5. LETTERS AND LINES SHALL BE ENGINEERING GRADE (EG) REFLECTIVE.

COURT REGULATION SIGN
SECTION • NOT TO SCALE 3230-216
© APPEL OSBORNE LANDSCAPE ARCHITECTURE

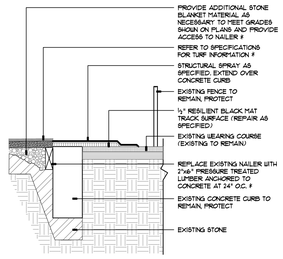


GATE POST SCHEDULE	
DOUBLE GATE WIDTH	POST O.D.
6' TO 12'	3"
14' TO 24'	4"

TENNIS COURT FENCE AND GATE - DOUBLE WIDTH
SECTION 2'-0"=1'-0" 2'-0"=1'-0" 2'-0"=1'-0"

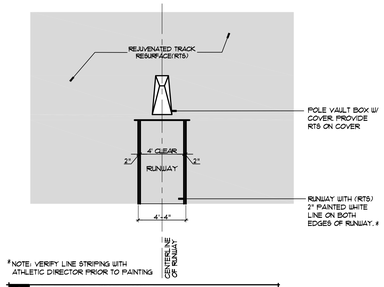


GOAL POST FOOTING
SECTION • NOT TO SCALE — 3230-5064A
© APPEL OSBORNE LANDSCAPE ARCHITECTURE



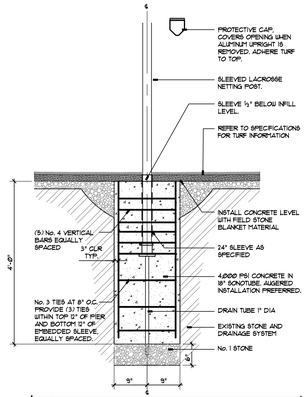
DEPTH OF INFILL VARIES WITH TURF TYPE, MODIFY SUBGRADE AND NAILER EDGE AS NECESSARY TO ACCOMMODATE TURF TYPE SELECTED. VERIFY WITH ARCHITECT PRIOR TO CONSTRUCTION.

SYNTHETIC TURF EDGE AT ASPHALT PAVING
SECTION • NOT TO SCALE — SYNTHETIC TURF EDGE AT ASPHALT PAVING
© APPEL OSBORNE LANDSCAPE ARCHITECTURE



NOTE: VERIFY LINE STRIPING WITH ATHLETIC DIRECTOR PRIOR TO PAINTING

POLE VAULT BOX LAYOUT
PLAN • NOTE TO SCALE — 3230-2064A
© APPEL OSBORNE LANDSCAPE ARCHITECTURE



LAX BALL STOP FOUNDATION AT TURF
SECTION • NOT TO SCALE — M-LAX TD-1560
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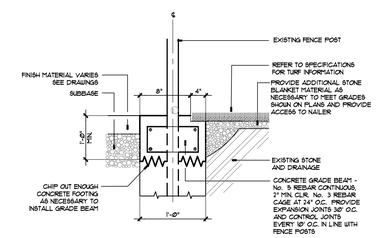

NOTE: 1. CHAIN LINK MESH SHALL HAVE KNUCKLED SELVAGES TOP AND BOTTOM
2. PROVIDE CONCRETE BONDING AGENT

CONCRETE CURB TURF
SECTION • NOT TO SCALE — MHG'TB-0824B
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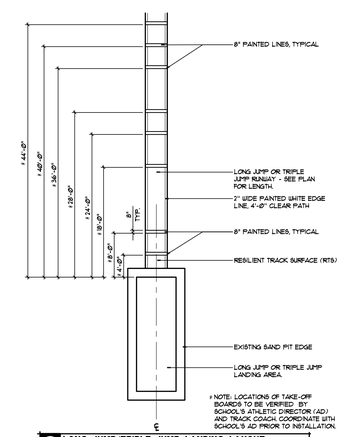

NOTE: LOCATIONS OF TAKE-OFF BOARDS TO BE VERIFIED BY SCHOOL'S ATHLETIC DIRECTOR (AD) AND TRACK COACH. COORDINATE WITH SCHOOL'S AD PRIOR TO INSTALLATION.

LONG JUMP/TRIPLE JUMP LANDING LAYOUT
PLAN • NOT TO SCALE — 3230-2071A
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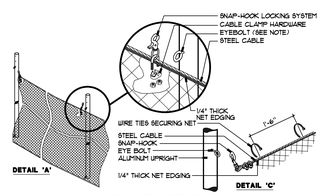

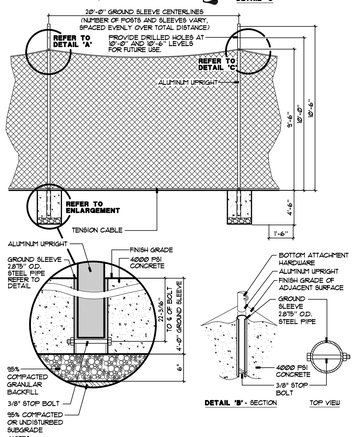

NOTES:
1. INSTALL INITIALLY AT 5'-6" HOLE, AS NET EXPANDS IN TIME OWNER WILL ADJUST TO HIGHER LOCATION.
2. NET SHALL BE LOCKED INTO PLACE ALONG THE ALUMINUM UPRIGHT AT THE TOP, BOTTOM AND CENTER.
3. GLUE TURF TO TOP OF SLEEVE TURF CAPS IN TURF AREA.

LACROSSE BALL STOPPER SLEEVED SYSTEM
NOT TO SCALE — LAX-STOP
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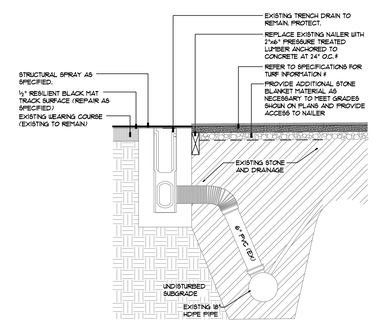

DEPTH OF INFILL VARIES WITH TURF TYPE, MODIFY SUBGRADE AND NAILER EDGE AS NECESSARY TO ACCOMMODATE TURF TYPE SELECTED. VERIFY WITH ARCHITECT PRIOR TO CONSTRUCTION.

TURF FIELD SUBGRADE WITH CATCH BASINS
SECTION • NOT TO SCALE — 3230-2074A
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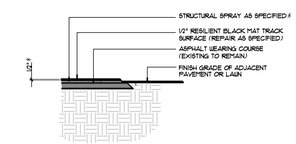

REJUVENATED TRACK SURFACE

REJUVENATED TRACK RESURFACE = RTS
SECTION • NOT TO SCALE — 3230-2084C
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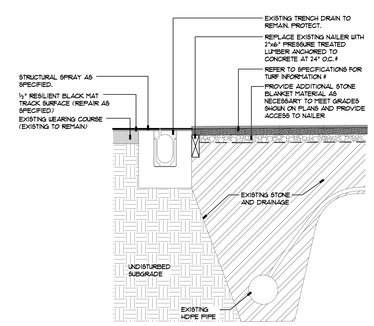

DEPTH OF INFILL VARIES WITH TURF TYPE, MODIFY SUBGRADE AND NAILER EDGE AS NECESSARY TO ACCOMMODATE TURF TYPE SELECTED. VERIFY WITH ARCHITECT PRIOR TO CONSTRUCTION.

TURF FIELD SUBGRADE CROSS SECTION
SECTION • NOT TO SCALE — 3230-2074A
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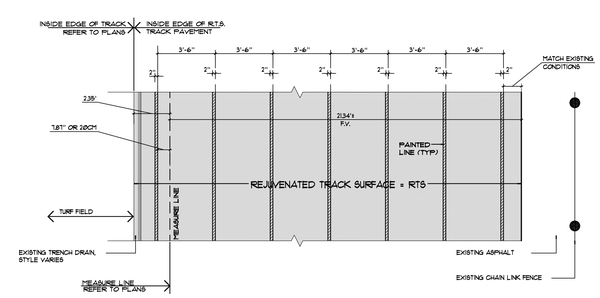

RTS TRACK LANE LAYOUT - 6 LANE
PLAN • NOT TO SCALE — 3230-2085A
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king+king ARCHITECTS

CORTLAND ENLARGED CITY SCHOOL DISTRICT
2021 CAPITAL PROJECT - PHASE 2

1 VALLEY VIEW DR.
CORTLAND, NY 13045

KING • KING PROJ. NO.: 22-44-7442

SED PROJECT NUMBERS:
A: BUILDING JR/SR. HS.: 11-02-00-02-0-007-017
B: BUILDING Randall: 11-02-00-01-0-002-012

appel osborne landscape architecture
133 East Onondaga Street, Suite 200
Syracuse, NY 13202 | (315) 476-5322

REGISTERED LANDSCAPE ARCHITECT — TIMOTHY D. BOWMAN — 001882-1 — STATE OF NEW YORK
Registration current through: 6/31/2026

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MARK	DATE	DESCRIPTION

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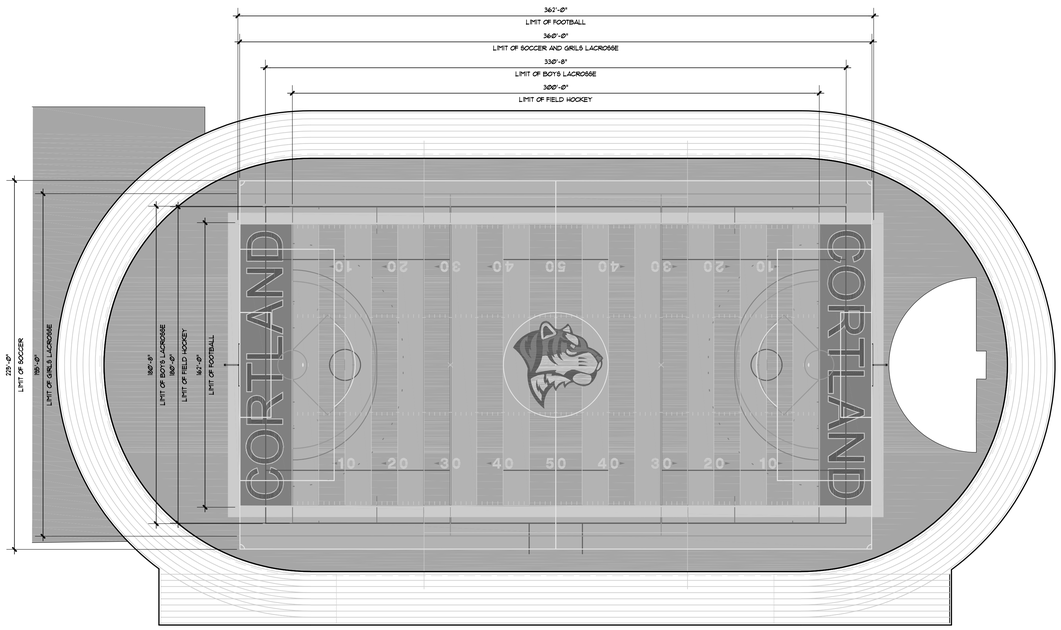
DRAWN BY: JK/EFB
SCALE: AS SHOWN
DRAWING TITLE:
DETAILS

A **L9.02**



FIELD COMPOSITE LAYOUT — PLAN • NOT TO SCALE — 3230-503

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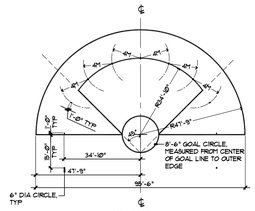
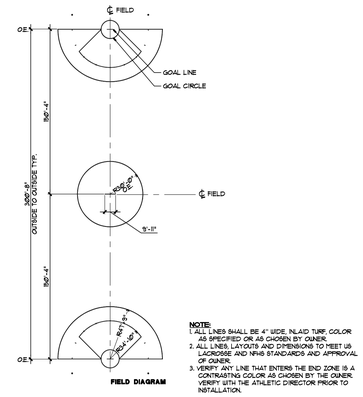
COLORS: PURPLE, YELLOW, SILVER, DARK GREEN, WHITE, BLACK, RED, LIGHT GREEN





NOTE:
1. ALL LINES SHALL BE 4" WIDE, INLAID TURF, COLOR AS SPECIFIED OR AS CHOSEN BY OWNER.
2. ALL LINES, LAYOUTS AND DIMENSIONS TO MEET US LACROSSE AND NFHS STANDARDS AND APPROVAL OF OWNER.
3. VERIFY ANY LINE THAT ENTERS THE END ZONE IS A CONTRASTING COLOR AS CHOSEN BY THE OWNER. VERIFY WITH THE ATHLETIC DIRECTOR PRIOR TO INSTALLATION.

WOMEN'S LACROSSE LAYOUT — PLAN • NOT TO SCALE — 3230-509

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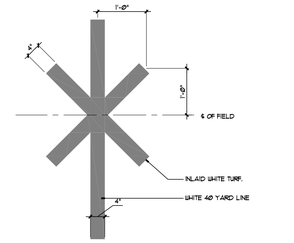

KICK-OFF MARKER — PLAN • NOT TO SCALE — 3230-506C

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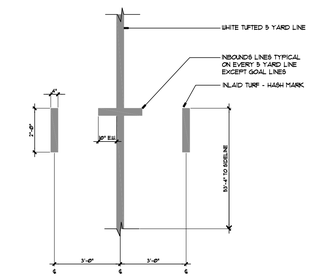

INBOUND LINE DETAIL — PLAN • NOT TO SCALE — 3230-506D

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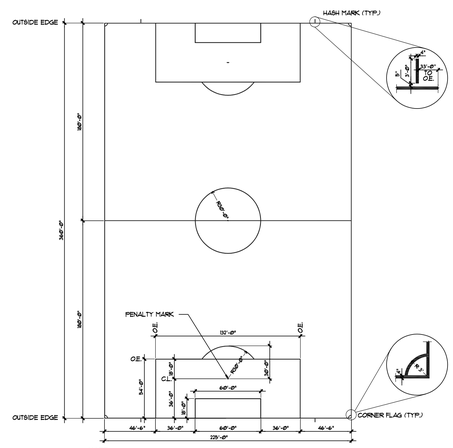

NOTE:
1. ALL LINES SHALL BE 4" WIDE, INLAID TURF, COLOR AS SPECIFIED OR AS CHOSEN BY OWNER.
2. ALL LINES, LAYOUTS AND DIMENSIONS TO MEET NFHS STANDARDS AND APPROVAL OF OWNER.
3. VERIFY ANY LINE THAT ENTERS THE END ZONE IS A CONTRASTING COLOR AS CHOSEN BY THE OWNER. VERIFY WITH THE ATHLETIC DIRECTOR PRIOR TO INSTALLATION.

SOCCER FIELD — PLAN • NOT TO SCALE — 3230-507

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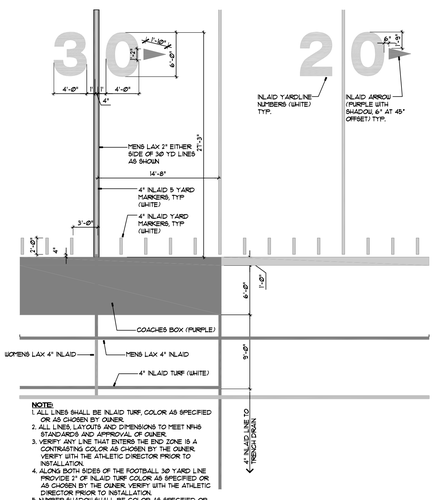

NOTE:
1. ALL LINES SHALL BE INLAID TURF, COLOR AS SPECIFIED OR AS CHOSEN BY OWNER.
2. ALL LINES, LAYOUTS AND DIMENSIONS TO MEET NFHS STANDARDS AND APPROVAL OF OWNER.
3. VERIFY ANY LINE THAT ENTERS THE END ZONE IS A CONTRASTING COLOR AS CHOSEN BY THE OWNER. VERIFY WITH THE ATHLETIC DIRECTOR PRIOR TO INSTALLATION.
4. ALONG BOTH SIDES OF THE FOOTBALL 30 YARD LINE PROVIDE 2" OF INLAID TURF COLOR AS SPECIFIED OR AS CHOSEN BY THE OWNER. VERIFY WITH THE ATHLETIC DIRECTOR PRIOR TO INSTALLATION.
5. NUMBER SHADOW SHALL BE COLOR AS SPECIFIED OR AS CHOSEN BY OWNER.

SIDE LINES DETAIL WITH COACHES BOX — PLAN • NOT TO SCALE — 3230-506B

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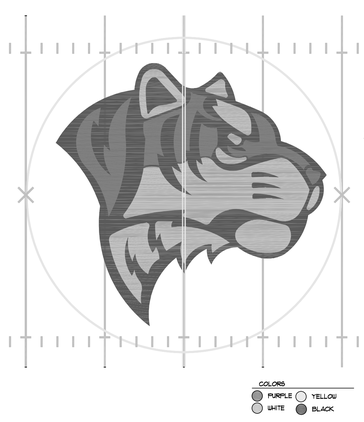
ENDZONE LAYOUT — PLAN • NOT TO SCALE — 3230-506F

© APPEL OSBORNE LANDSCAPE ARCHITECTURE

COLORS: PURPLE, YELLOW, SILVER, DARK GREEN, WHITE, BLACK, RED, LIGHT GREEN



NOTE: ALL LOGO GRAPHICS SHALL BE TUFTED SYNTHETIC TURF WHEN YARDLINE MARKINGS CONFLICT WITH LOGO, PROVIDE 1" TUFTED LINE.

MID-FIELD LOGO DETAIL — PLAN • NOT TO SCALE — 3230-506G

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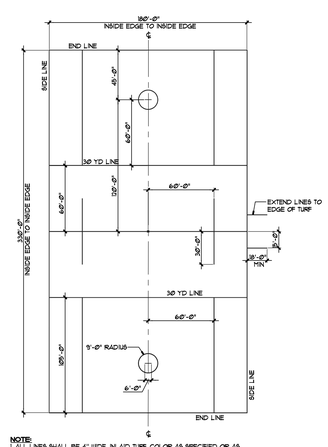

NOTE:
1. ALL LINES SHALL BE 4" WIDE, INLAID TURF, COLOR AS SPECIFIED OR AS CHOSEN BY OWNER.
2. ALL LINES, LAYOUTS AND DIMENSIONS TO MEET US LACROSSE AND NFHS STANDARDS AND APPROVAL OF OWNER.
3. ALONG BOTH SIDES OF THE FOOTBALL 30 YARD LINE PROVIDE 2" OF INLAID TURF COLOR AS SPECIFIED OR AS CHOSEN BY THE OWNER. VERIFY WITH THE ATHLETIC DIRECTOR PRIOR TO INSTALLATION.

MENS LACROSSE FIELD — PLAN • NOT TO SCALE — 3230-508

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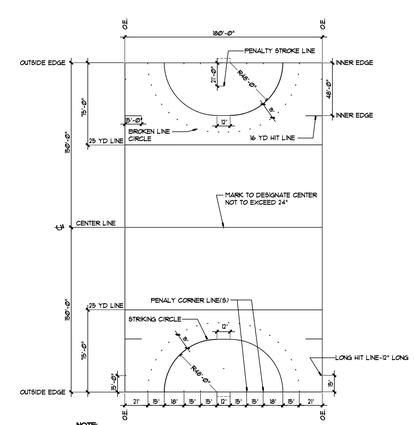

NOTE:
1. ALL LINES SHALL BE 3" WIDE, INLAID TURF, COLOR AS SPECIFIED OR AS CHOSEN BY OWNER.
2. ALL LINES, LAYOUTS AND DIMENSIONS TO MEET NFHS STANDARDS AND APPROVAL OF OWNER.

FIELD HOCKEY — PLAN • NOT TO SCALE — 3230-510

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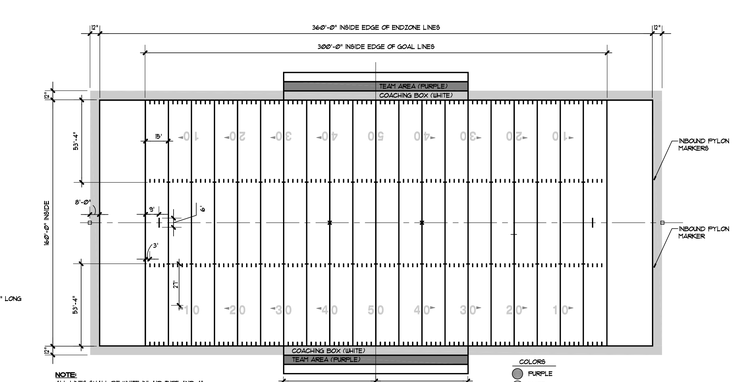

NOTE:
ALL LINES SHALL BE WHITE INLAID TURF AND 4" WIDE EXCEPT THE PERIMETER WHICH SHALL BE 2" WIDE WHERE COLORED LINES CONFLICT WHITE SHALL PREVAIL. LATEST NYS HIGH SCHOOL RULES AND LOCAL CONFERENCE MODIFICATIONS TAKE PRECEDENCE OVER ELEMENTS SHOWN ON DETAILS.

FOOTBALL FIELD LAYOUT — PLAN • NOT TO SCALE — 3230-506A

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king + king ARCHITECTS

CORTLAND ENLARGED CITY SCHOOL DISTRICT
2021 CAPITAL PROJECT - PHASE 2

1 VALLEY VIEW DR.
CORTLAND, NY 13045

KING + KING PROJ. NO.: 22-44-7442

SED PROJECT NUMBERS:
A: BUILDING JR/SR. HS: 11-02-00-02-0-007-017
B: BUILDING Randall: 11-02-00-01-0-002-012

appel osborne landscape architecture
102 West Division Street, Suite 100
Syracuse, NY 13204 / (315) 476-1822

REGISTERED LANDSCAPE ARCHITECT — TIMOTHY D. BORNEMAN — 001582-1 — STATE OF NEW YORK

Registration current through: 8/31/2026

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DETAILS

A **L9.03**