

ABBREVIATIONS

| | | | |
|---|---|--|---|
| & L @ P | AND ANGLE AT CENTERLINE DIAMETER or ROUND PERPENDICULAR POUND or NUMBER | I.D. INSUL. INT. | INSIDE DIAMETER INSULATION INTERIOR |
| # | ABOVE ACOUSTICAL A.D. ADJ. AGG. ALUM. APPROX. ARCH. ASPH. | JT. KIT. LAM. LAV. LB. LT. MAX. M.C. MECH. MEMB. MIL. MFR. MIN. MIR. MISC. M.O. MTD. MUL. | JOINT KITCHEN LAMINATE LAVATORY POUND LIGHT MAXIMUM MEDICINE CABINET MECHANICAL MEMBER METAL MANUFACTURER MINIMUM MIRROR MISCELLANEOUS MASONRY OPENING MOUNTED MULLION |
| ABV. ACOUS. A.D. ADJ. AGG. ALUM. APPROX. ARCH. ASPH. | BOARD BITUMINOUS BUILDING BLOCK BLKG. BLK. BM. BOT. | (N) N. N.A. N.I.C. NO. or # NO. or # NOM. N.T.S. | NEW NORTH NOT APPLICABLE NOT IN CONTRACT NUMBER NOMINAL NOT TO SCALE |
| CAB. C.B. CEM. CER. C.I. C.J. C.L. CLG. CLKG. CLO. COL. CONC. CONN. CONSTR. CONT. CORR. CINTR. CTSK. CTR. | CABINET CATCH BASIN CEMENT CERAMIC CAST IRON CONSTR. JOINT CEILING JOIST CEILING CAULKING CLOSET COLUMN CONCRETE CONNECTION CONSTRUCTION CONTINUOUS CORRIDOR COUNTER COUNTERSINK CENTER | PRCST. PL. P.LAM. PLAS. PLYWD. PR. PT. PTN. | PRECAST PLATE PLASTIC LAMINATE PLASTER PLYWOOD PAIR POINT PARTITION |
| DBL. DEMO. DEPT. DET. DIA. DIM. DN. D.O. DR. DWH. DS. DWG. | DOUBLE DEMOLITION DEPARTMENT DETAIL DIAMETER DIMENSION DOWN DOOR OPENING DOOR DRAWER DOWN SPOUT DRAWINGS | Q.T. (R) R. RAD. R.D. REF. REFR. REG. REINFR. REQ. RESIL. RM. R.O. RDWD. R.W.L. R&R | QUARRY TILE RELOCATED RISER RADIUS ROOF DRAIN REFERENCE REFRIGERATOR REGISTER REINFORCED REQUIRED RESILIENT ROOM ROUGH OPENING REDWOOD RAIN WATER LEADER REMOVE & REPLACE |
| (E) E.A. E.J. E.L. ELEC. ELEV. ENCLOSURE E.P. EQUIP. EXIST. EXPO. EXP. EXT. | EXISTING EAST EXPANSION JOINT ELEVATION ELECTRICAL ENCLOSURE ELECTRICAL PANEL EQUIP. EXISTING EXPOSED EXPANSION EXTERIOR | S. S.C. SCHED. SECT. SH. SHWR. SHT. SIM. SPEC. SQ. STOR. STR. SYM. | SOUTH SOLID CORE SCHEDULE SECTION SHELF SHOWER SHEET SIMILAR SPECIFICATION SQUARE STORAGE STRUCTURAL SYMBOL |
| F.B. F.D. FDN. FIN. FLR. FLASH. FLUOR. F.O.B. F.O.C. F.O.S. FPRF. F.S. FT. FTG. FUT. | FLAT BAR FLOOR DRAIN FOUNDATION FINISH FLOOR FLASHING FLUORESCENT FACE OF BLOCK/BRICK FACE OF CONCRETE FACE OF STUD FIRE PROOF FULL SIZE FOOT OR FEET FOOTING FUTURE | T.B. T.B.R. TEL. T&G THK. T.O.P. TV TYP. | TOWEL BAR TO BE REMOVED TELEPHONE TONGUE & GROOVE THICK TOP OF PAVEMENT TELEVISION TYPICAL |
| GA. GALV. G.B. GL. GRND. GR. GYP. | GAUGE GALVANIZED GRAB BAR GLASS GROUND GRADE GYPSUM | UNF. U.O.N. VERT. VEST. | UNFINISHED UNLESS OTHERWISE NOTED VERTICAL VESTIBULE |
| H.B. H.C. HDWD. HDWR. H.M. HORIZ. HR. HT. | HOSE BIBB HOLLOW CORE HARDWOOD HARDWARE HOLLOW METAL HORIZONTAL HOUR HEIGHT | W. WY. WO. WP. WSC. WT. W.W.F. | WEST WITH WOOD WITHOUT WATERPROOF WAINSCOTING WEIGHT WELDED WIRE FABRIC |

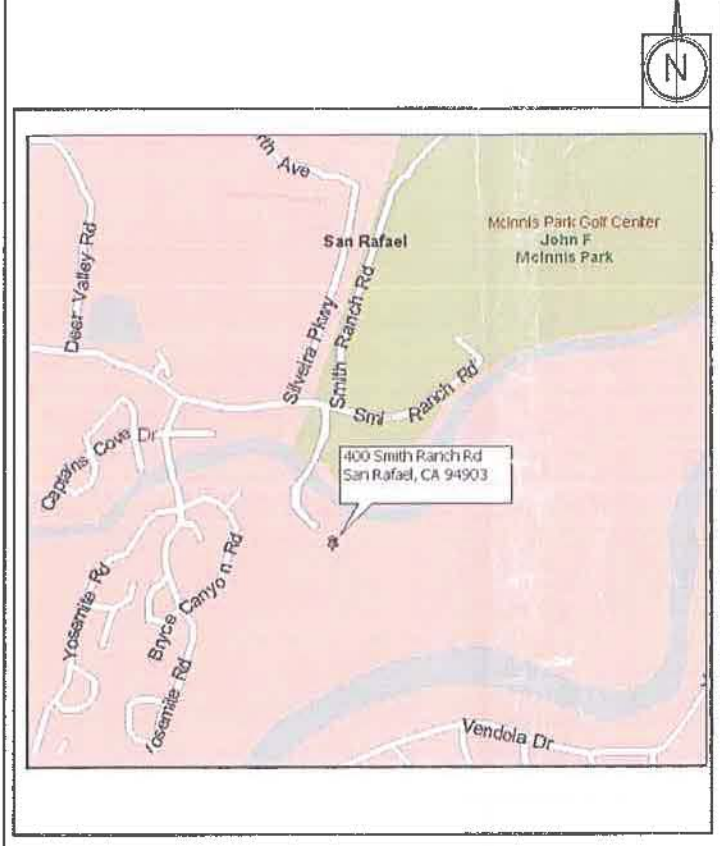
SYMBOLS

| | |
|-----------------------------|--|
| CMU (CONCRETE MASONRY UNIT) | |
| BRICK | |
| CONCRETE | |
| ASPHALT | |
| NATURAL EARTH | |
| GRAVEL | |
| SAND | |
| ROUGH WOOD | |
| FINISH WOOD | |
| BLOCKING | |
| PLYWOOD | |
| GYPSUM BOARD | |
| CFMNT PLASTER | |
| ACOUSTICAL BOARD | |
| CERAMIC TILE | |
| PLASTIC LAMINATE | |
| RIGID INSULATION | |
| BATT INSULATION | |
| GLASS | |

LEGEND

| | |
|--|--|
| | DOOR NUMBER |
| | WINDOW NUMBER |
| | ROOM NUMBER |
| | REVISION NUMBER |
| | DETAIL NUMBER SHEET NUMBER |
| | SECTION NUMBER SHEET NUMBER |
| | KEY NOTE: (SEE DESCRIPTION AT RIGHT) |
| | GRID LINE |
| | STAIRS or RAMP |
| | DATUM POINT or CONTROL POINT |
| | MATCH LINE: (SHADED PORTION REPRESENTS THE SIDE CONSIDERED) |
| | FINISH GRADE |

VICINITY MAP



PROJECT TEAM

| | |
|-----------------------------|---|
| OWNER: | SAN RAFAEL AIRPORT, LLC 2175-J FRANCISCO BLVD. SAN RAFAEL, CA. 94901 CONTACT: BOB HERBST PHONE: (415) 453-0212 ext. 106 |
| ARCHITECT: | L. A. PAUL & ASSOCIATES ARCHITECTURE/PLANNING 1829 UNION STREET SAN FRANCISCO, CA. 94123 CONTACT: LARRY PAUL PHONE: (415) 922-9282 |
| CIVIL ENGINEER: | OBBERKAMPER & ASSOCIATES CIVIL ENGINEERS, INC. 10 PAUL DRIVE SAN RAFAEL, CA. 94903 CONTACT: LEE OBBERKAMPER PHONE: (415) 479-8862 |
| LANDSCAPE ARCHITECT: | BARONIAN WHISLER LANDSCAPE ARCHITECTURE 2346 MARINSHIP WAY, SUITE 102 SAUSALITO, CA. 94965 CONTACT: PATRICK WHISLER PHONE: (415) 331-6700 |

PROJECT DATA

Project Description:
RECREATION FACILITY
SAN RAFAEL AIRPORT
400 Smith Ranch Road
San Rafael, CA. 94903

S.R.D.C.D. Zoning Information:

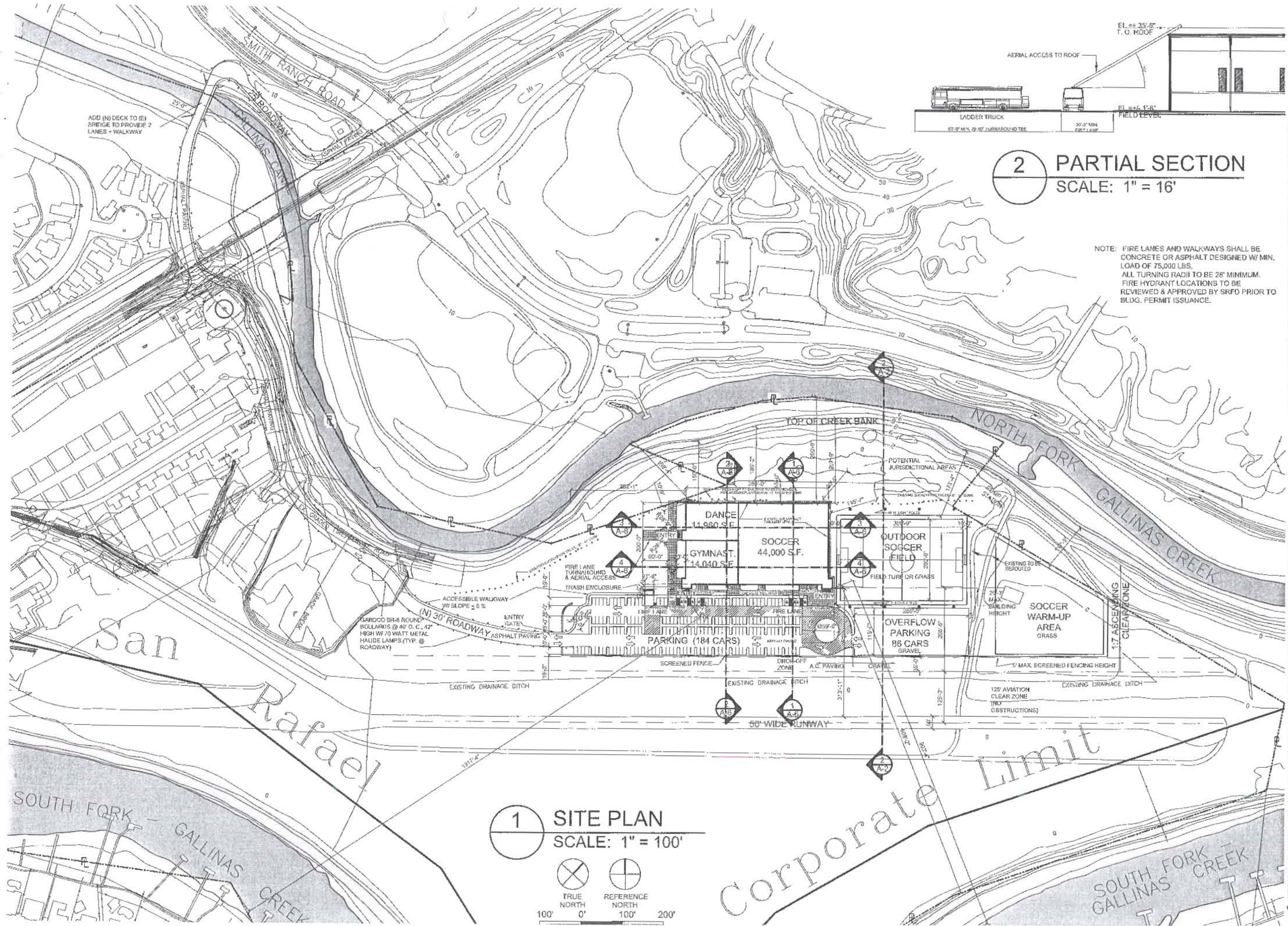
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|--|--|---------------------|--------------------|
| Accessor's Parcel No. | 155-230-(10-15) | Zoning Maps | PD1764-WO |
| Zoning Use: | Recreational | Planned Development | Permitted |
| Lot Size: | 120 Acres | Existing | Existing |
| Developed Area: | 5,227,200 SF | Existing | Existing |
| Aircraft Hangars | 210,000 SF | Existing | Existing |
| Commercial Buildings | 22,500 SF | Existing | Existing |
| Impervious Area | 418,000 SF | Existing | Existing |
| Recreation Building | 71,300 SF | Proposed | Proposed |
| Impervious Area | 120,500 SF | Proposed | Proposed |
| Total Coverage | 842,300 SF | Proposed (Overall) | Proposed (Overall) |
| Lot Coverage: | 0.161 | Proposed (Overall) | Proposed (Overall) |
| Building Area: | | Existing | Existing |
| Existing Buildings | 232,500 SF | Proposed | Proposed |
| Field Level | 71,300 SF | Proposed | Proposed |
| Viewing Level | 14,400 SF | Proposed | Proposed |
| Total Area | 318,200 SF | Proposed | Proposed |
| Building Coverage: | 0.061 | Proposed (Overall) | Proposed (Overall) |
| Set-backs: | | Proposed | Proposed |
| Front to Aviation Runway | 313.9 FT | Proposed | Proposed |
| East Side to Gallinas Creek | 903.3 FT | Proposed | Proposed |
| West Side to Gallinas Creek | 198.3 FT | Proposed | Proposed |
| Rear to Top of Creek Bank | 150 FT | Proposed | Proposed |
| Building Height per UBC: | | 33.5 FT | 33.5 FT |
| Parking: | | Paved | Paved |
| | 184 Spaces | Overflow | Overflow |
| | 86 Spaces | Total | Total |
| | 270 spaces | | |
| C.B.C. Building Code Information: | | | |
| Construction: | Type III-N (Existing) | | |
| | New 1-hour separation between occupancies. | | |
| Occupancy: | A-4 (Stadium) | 85,700 SF | Proposed |
| Energy Compliance: | See T-24 Analysis | | |
| Fire Sprinklers: | Automatic sprinkler System to be design-build; Deferred submittal by Contractor. | | |

SHEET INDEX

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| A-4 | PROPOSED VIEWING LEVEL FLOOR PLAN | L-1 | PROPOSED LANDSCAPE PLAN |

| | |
|---|--------|
| REVISIONS | BY |
| 11-09-11 | PC |
| L. A. PAUL & ASSOCIATES ARCHITECTURE/PLANNING 1829 UNION STREET SAN FRANCISCO CA 94123 TEL: (415) 922-9282 FAX: (415) 922-1893 e-mail: L.A.Paul@prolog.net LARRY A. PAUL, AIA | |
| RECREATIONAL FACILITY @ THE SAN RAFAEL AIRPORT SMITH RANCH ROAD SAN RAFAEL, CALIFORNIA A. P. N. : 009-161-02, 009-291-50, 009-291-03 | |
| DRAWINGS: SHEET INDEX PROJECT TEAM VICINITY MAP ABBREVIATIONS PROJECT DATA | |
| DRAWN: JJA CHECKED: LAP DATE: 12.14.08 SCALE: AS NOTED JOB NO.: 2004-37 SHEET: <h1 style="font-size: 2em;">A-0</h1> | |
| OF | SHEETS |

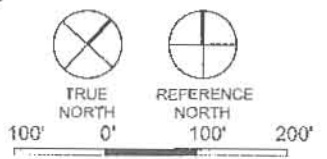
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2 PARTIAL SECTION
SCALE: 1" = 16'

NOTE: FIRE LANES AND WALKWAYS SHALL BE CONCRETE OR ASPHALT DESIGNED W/ MIN. LOAD OF 75,000 LBS.
ALL TURNING RADII TO BE 28' MINIMUM.
FIRE HYDRANT LOCATIONS TO BE REVIEWED & APPROVED BY SRFD PRIOR TO BLDG. PERMIT ISSUANCE.

1 SITE PLAN
SCALE: 1" = 100'

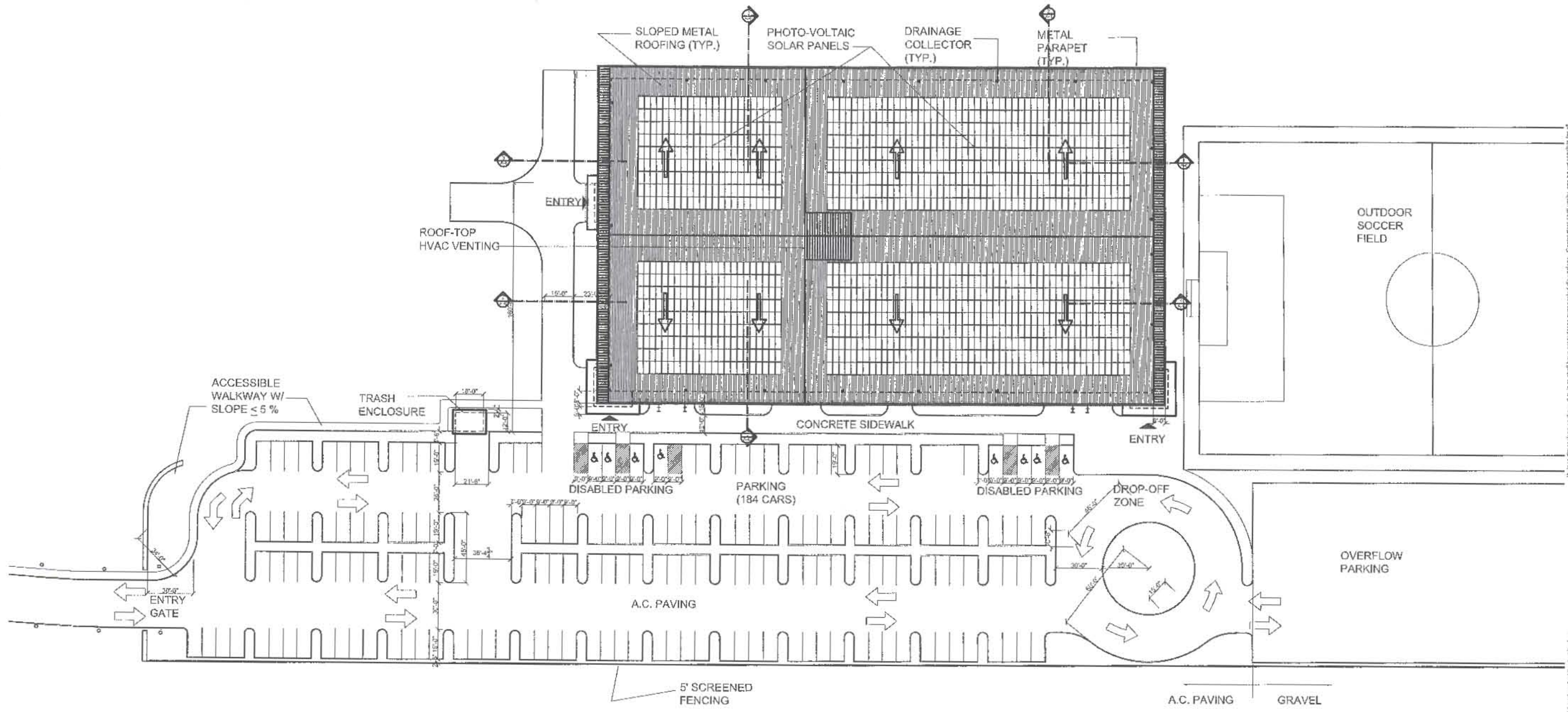


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| DRAWINGS: PROPOSED SITE PLAN & SITE SECTION | |
| DRAWN: JJA | |
| CHECKED: LAP | |
| DATE: 12.14.06 | |
| SCALE: AS NOTED | |
| JOB NO.: 2004-37 | |
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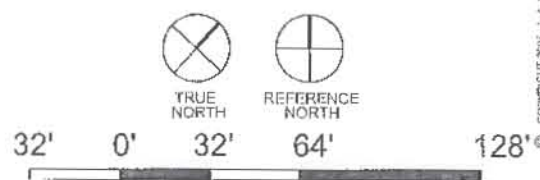
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1 ROOF PLAN & PARKING AREA



2 SITE SECTION



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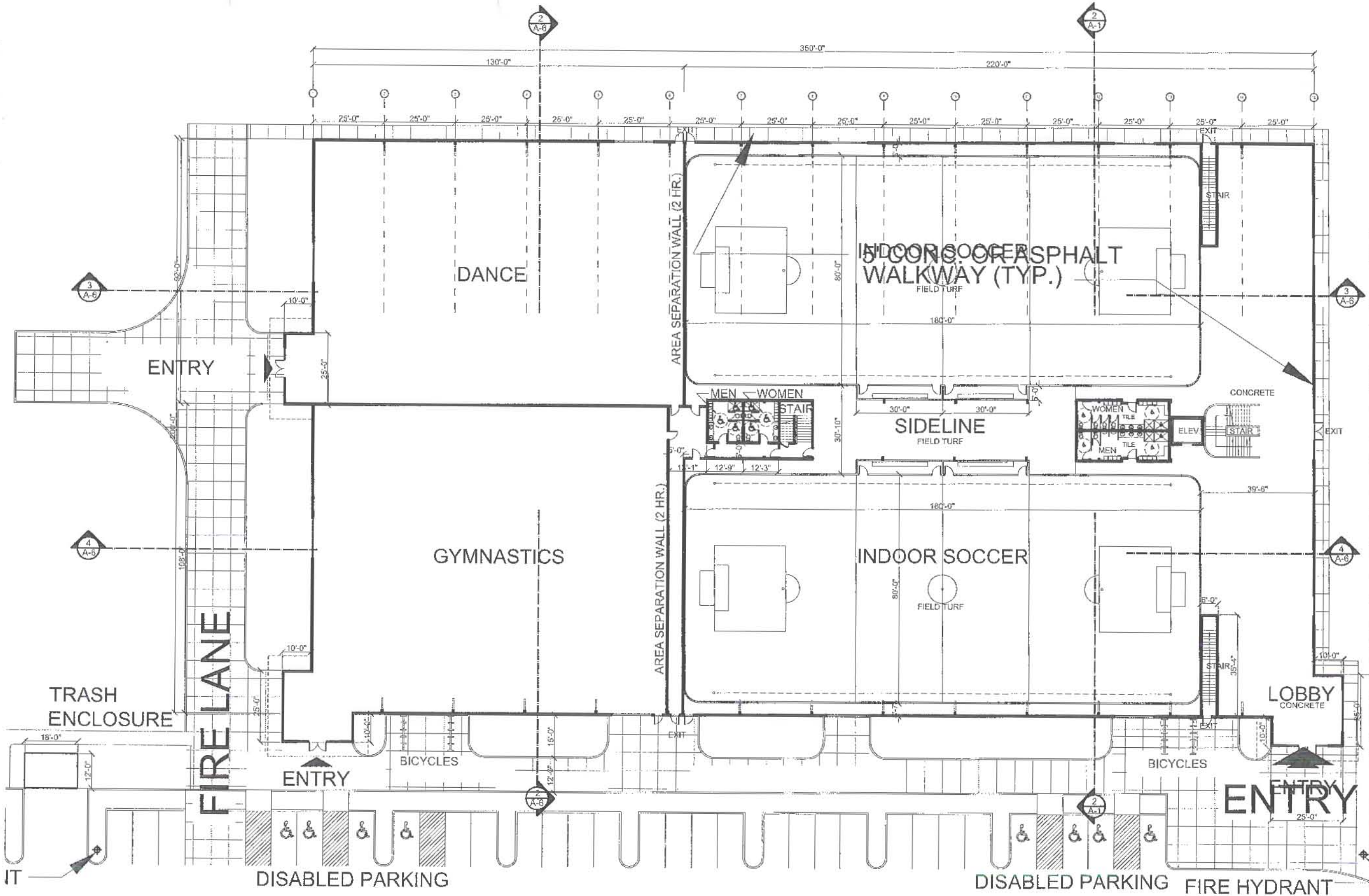
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DRAWINGS:
 PROPOSED
 ROOF PLAN, &
 PARKING AREA

DRAWN: JJA
 CHECKED: LAP
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 JOB NO.: 2004-37

SHEET:
A-2

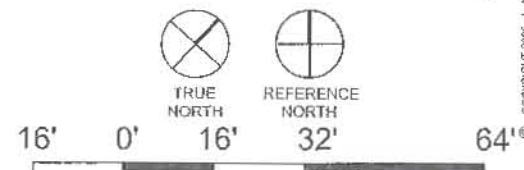
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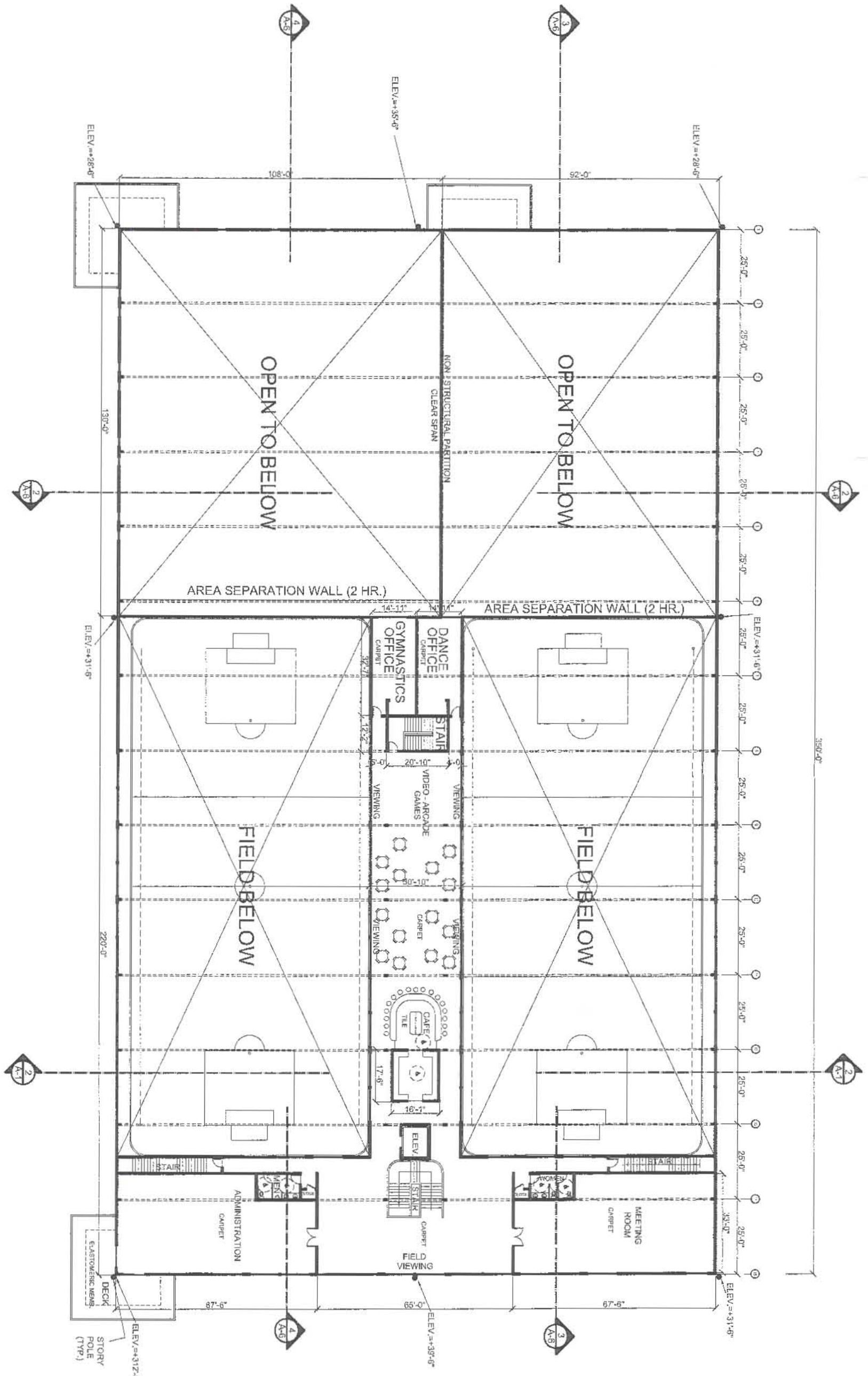
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1 FIELD LEVEL FLOOR PLAN
 ELEV. = + 1'-6"

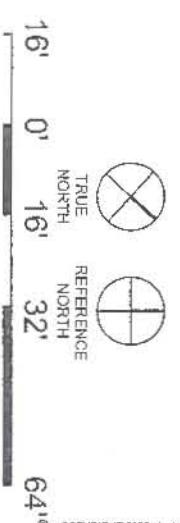


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DRAWINGS:
PROPOSED FIELD LEVEL FLOOR PLAN
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 JOB NO.: 2004-37
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A-3



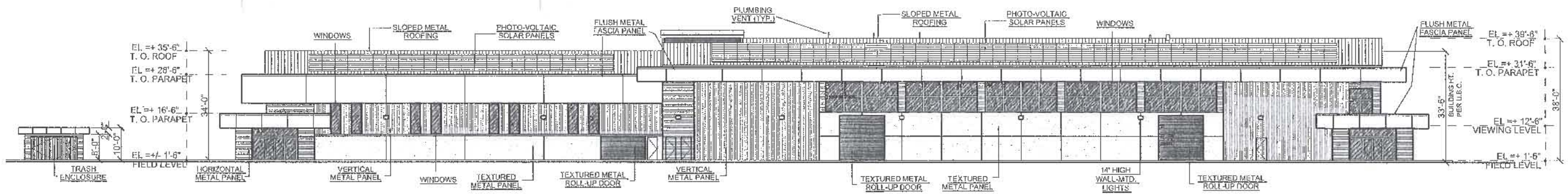
1 VIEWING LEVEL FLOOR PLAN
ELEV. = + 12'-6"



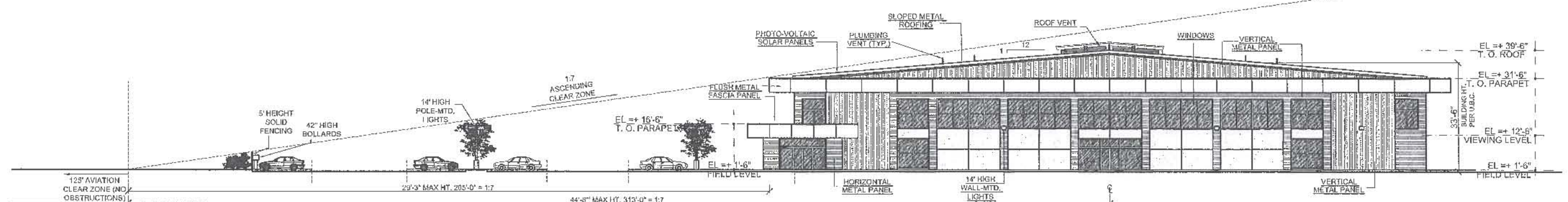
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| CHECKED: LJP | DRAWN: JJA | DRAWINGS: PROPOSED VIEWING LEVEL FLOOR PLAN | | |
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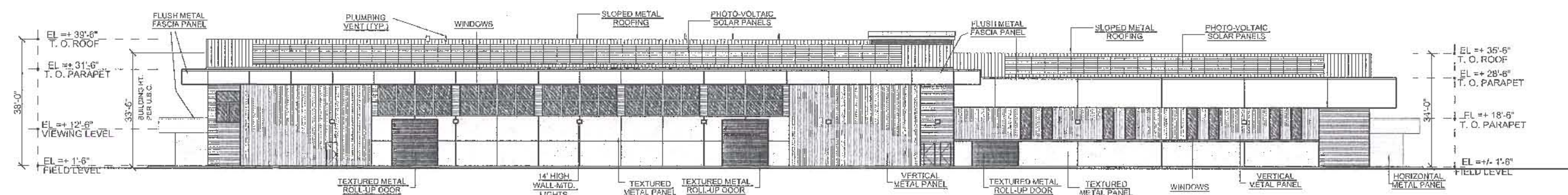
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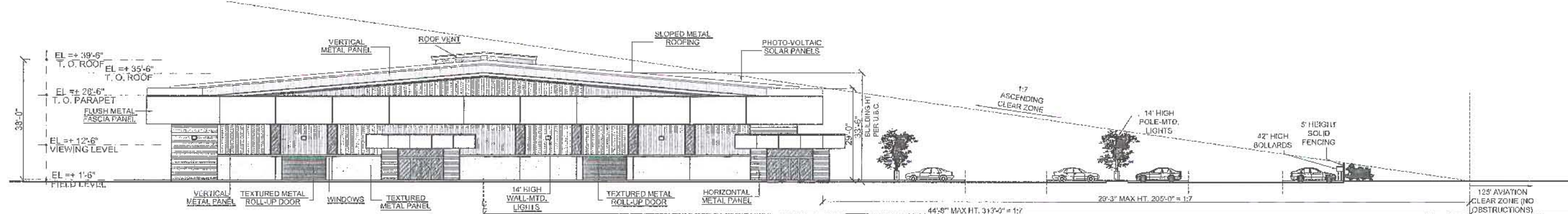
1 SOUTH ELEVATION



2 EAST ELEVATION



4 WEST ELEVATION



4 WEST ELEVATION



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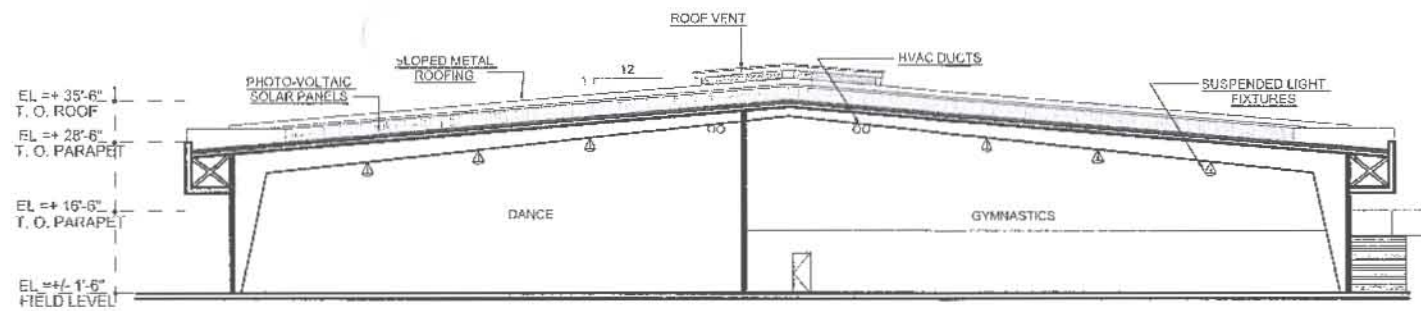
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DRAWINGS:
PROPOSED ELEVATIONS

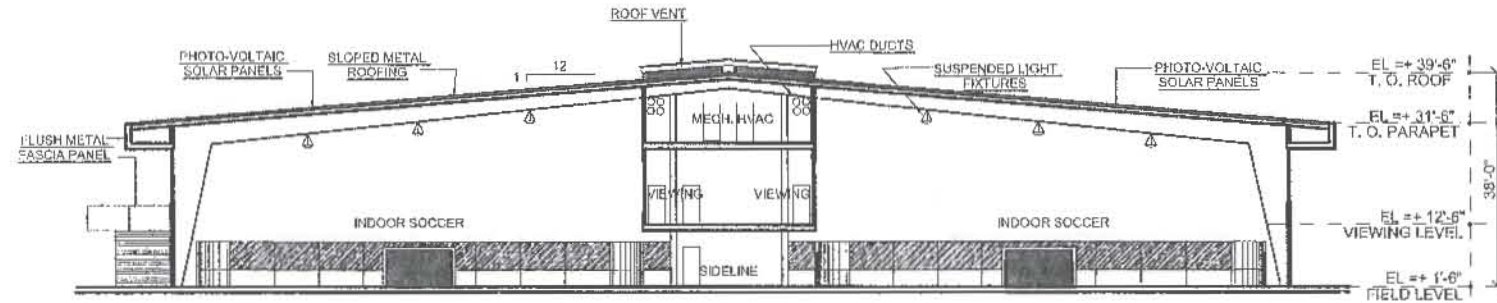
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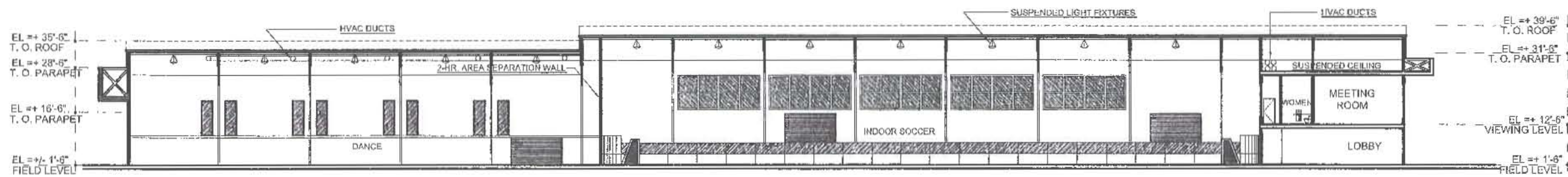
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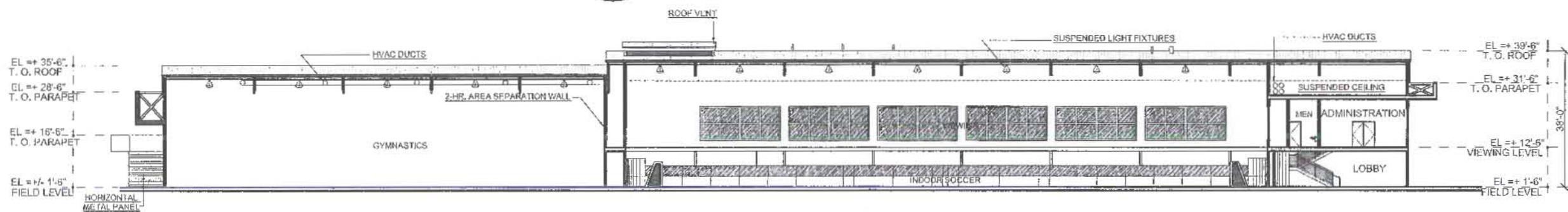
1 NORTH - SOUTH SECTION



2 NORTH - SOUTH SECTION



3 EAST - WEST SECTION



4 EAST - WEST SECTION



All dimensions are based on drawings and field measurements. Dimensions shall vary over scale dimensions. Dimensions shall vary over scale dimensions. Dimensions shall vary over scale dimensions. Dimensions shall vary over scale dimensions. Dimensions shall vary over scale dimensions.

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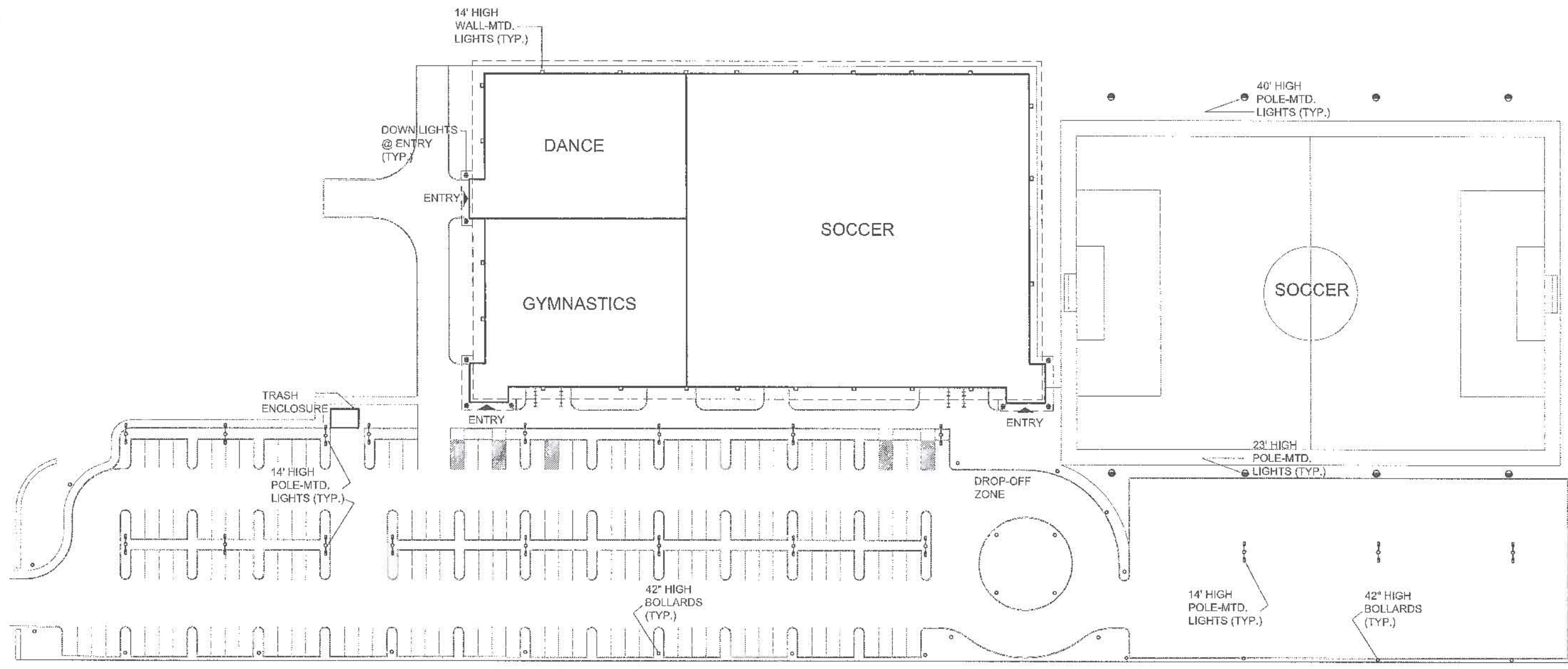

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| DRAWINGS: PROPOSED SECTIONS |
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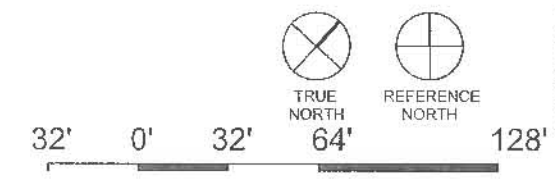


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 LARRY A. PAUL, AIA



| LEGEND | |
|--------|---|
| | GARDCO BR-8 ROUND BOLLARDS @ 40' O. C., 42" HIGH W/ 70 WATT METAL HALIDE LAMPS. |
| | GARDCO BE-14 WALL-MTD. LUMINAIRES @ 50' O. C., 14' A. F. F. W/ 150 WATT METAL HALIDE LAMPS. |
| | GARDCO DESIGNER CANOPY LUMINAIRES @ 20' O. C., W/ 42 WATT COMPACT FLUORESCENT LAMPS. |
| | GARDCO SQUARE FORM 10, A14, 2-WAY SIDE POLE MOUNTED @ 40' O. C., 14' A. F. F. W/ 150 WATT METAL HALIDE LAMPS. |
| | MUSCO GREEN GENERATION 1500 WMZ LUMINAIRES, 3/POLE, 40' HIGH, @ 30' O. C., W/ 1500 WATT METAL HALIDE LAMPS. |
| | MUSCO GREEN GENERATION 1500 WMZ LUMINAIRES, 2/POLE, 23' HIGH, @ 30' O. C., W/ 1500 WATT METAL HALIDE LAMPS. |

1 EXTERIOR LIGHTING PLAN



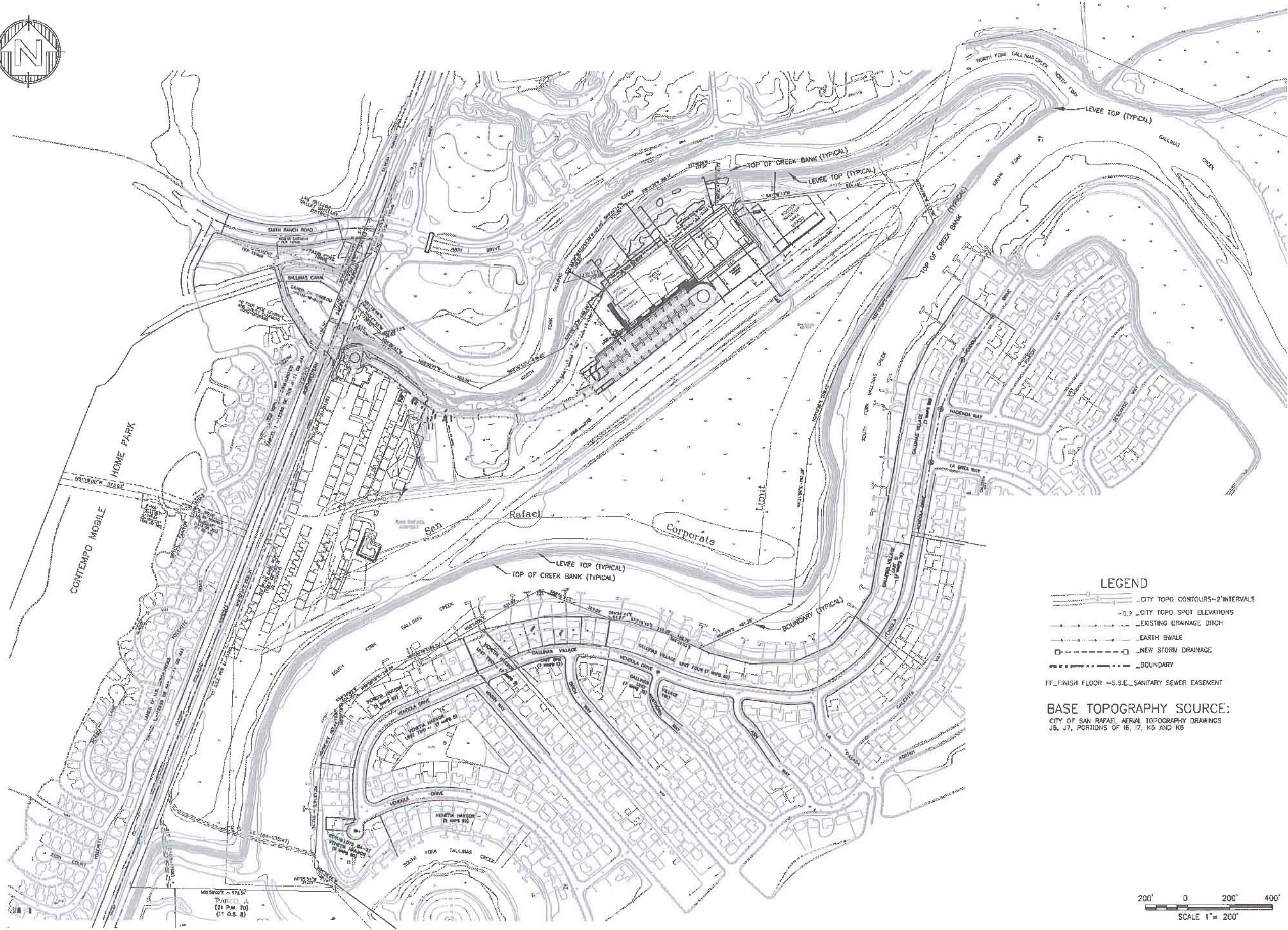
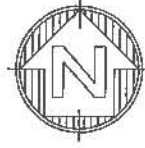
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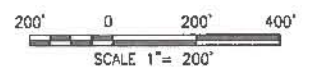
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| DRAWN: | JJA |
| CHECKED: | LAP |
| DATE: | 12.14.06 |
| SCALE: | 1"=32'-0" |
| JOB NO.: | 2004-37 |
| SHEET: | A-7 |
| OF | SHEETS |

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- LEGEND**
- CITY TOPO CONTOURS—2' INTERVALS
 - 0.2' CITY TOPO SPOT ELEVATIONS
 - - - EXISTING DRAINAGE DITCH
 - - - EARTH SWALE
 - - - NEW STORM DRAINAGE
 - - - BOUNDARY
 - FF_FINISH FLOOR -S.S.E._SANITARY SEWER EASEMENT

BASE TOPOGRAPHY SOURCE:
CITY OF SAN RAFAEL AERIAL TOPOGRAPHY DRAWINGS
J6, J7, PORTIONS OF 16, 17, K5 AND K6



| | | |
|---|----------------------|----------|
| OBERKAMPER & ASSOCIATES CIVIL ENGINEERS INC. 7200 REDWOOD BLVD, NOVATO, CA 94945 PHONE (415) 897-2800 FAX (415) 897-2020 NOVATO, CALIFORNIA | NO. DATE | REVISION |
| | 1 | |
| | 2 | |
| | 3 | |
| APN 155-230-10,11,12,13,14,15,16 BASE MAP LANDS OF SAN RAFAEL AIRPORT LLC ~ PARCEL B, 21 PM 70 SAN RAFAEL, CALIFORNIA | | |
| Scale: 1"=200' | Drawn by: JAL | |
| | Designed by: PAB | |
| | Checked by: L.E.S. | |
| | Date: NOVEMBER, 2011 | |
| SHEET | C1 | |
| | OF 5 | |
| 04-155 | | |

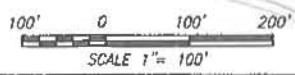
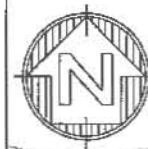
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LEGEND

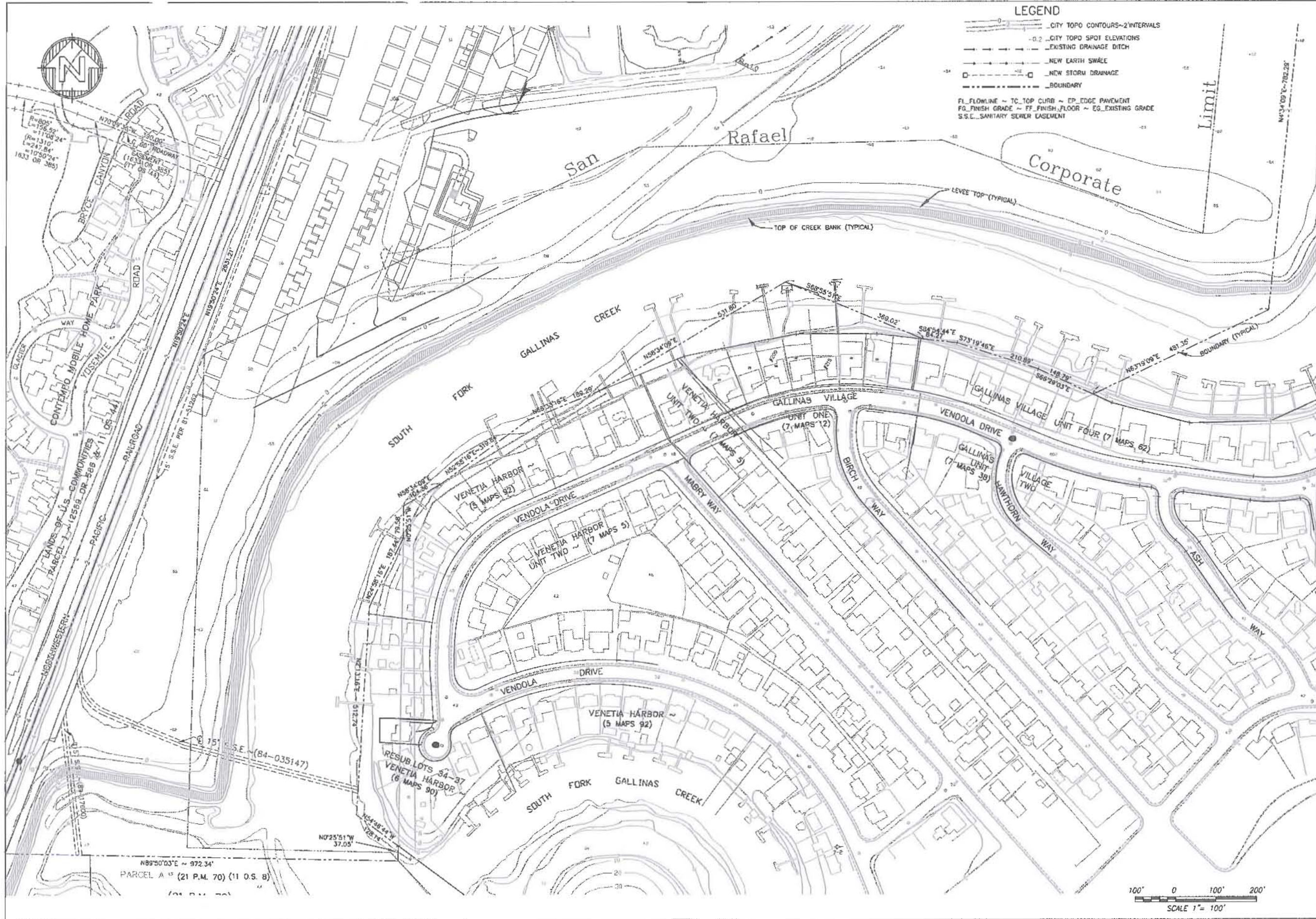
- - - CITY TOPO CONTOURS - 2' INTERVALS
- - - CITY TOPO SPOT ELEVATIONS
- - - EXISTING DRAINAGE DITCH
- - - NEW EARTH SWALE
- - - NEW STORM DRAINAGE
- - - BOUNDARY

FL - FLOWLINE ~ TC - TOP CURB ~ EP - EDGE PAVEMENT
 FG - FINISH GRADE ~ FF - FINISH FLOOR ~ EG - EXISTING GRADE
 S.S.E. - SANITARY SEWER EASEMENT



| | | |
|---|--|---|
| <p>APN 155-230-10, 11, 12, 13, 14, 15, 16 BASE MAP LANDS OF SAN RAFAEL AIRPORT LLC ~ PARCEL B, 21 PM 70 SAN RAFAEL, CALIFORNIA</p> | | <p>NO. DATE 1 2 3 4</p> |
| <p>Scale: 1" = 100' Drawn by: JAL Designed by: PAD Checked by: L.L.O. Date: November, 2007</p> | | <p>REVISION</p> |
| <p>OBBERKAMPER & ASSOCIATES CIVIL ENGINEERS INC. 7200 REDWOOD BLVD, NOVATO, CA 94945 PHONE (415) 897-2800 FAX (415) 897-2020 NOVATO, CALIFORNIA</p> | | <p>SHEET C2 OF 5 04-155</p> |

\\sfs\geomatics\4-55\55\55\REVBASE\1210M.dwg, 11/9/2001, 8:30:51 AM



$R=80'$
 $L=126.5'$
 $R=110'$
 $L=241.31'$
 $R=10'$
 $L=1050'24''$
 1633 OR 385

LANDS OF U.S. COMMUNITIES
 PARCEL 1-12368 OR 588 (4-11 O.S. 14)
 PACIFIC RAILROAD
 15' S.S.E. PER 81-51283

$N89^{\circ}50'03''E \sim 972.34'$
 PARCEL A (21 P.M. 70) (11 O.S. 8)

LEGEND
 - - - - - CITY TOPO CONTOURS-2'INTERVALS
 - - - - - CITY TOPO SPOT ELEVATIONS
 - - - - - EXISTING DRAINAGE DITCH
 - - - - - NEW EARTH SWALE
 - - - - - NEW STORM DRAINAGE
 - - - - - BOUNDARY
 FL FLOWLINE ~ TC TOP CURB ~ EP EDGE PAVEMENT
 FG FINISH GRADE ~ FF FINISH FLOOR ~ EG EXISTING GRADE
 S.S.E. SANITARY SEWER EASEMENT

100' 0 100' 200'
 SCALE 1" = 100'

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| NO. | DATE | REVISION |
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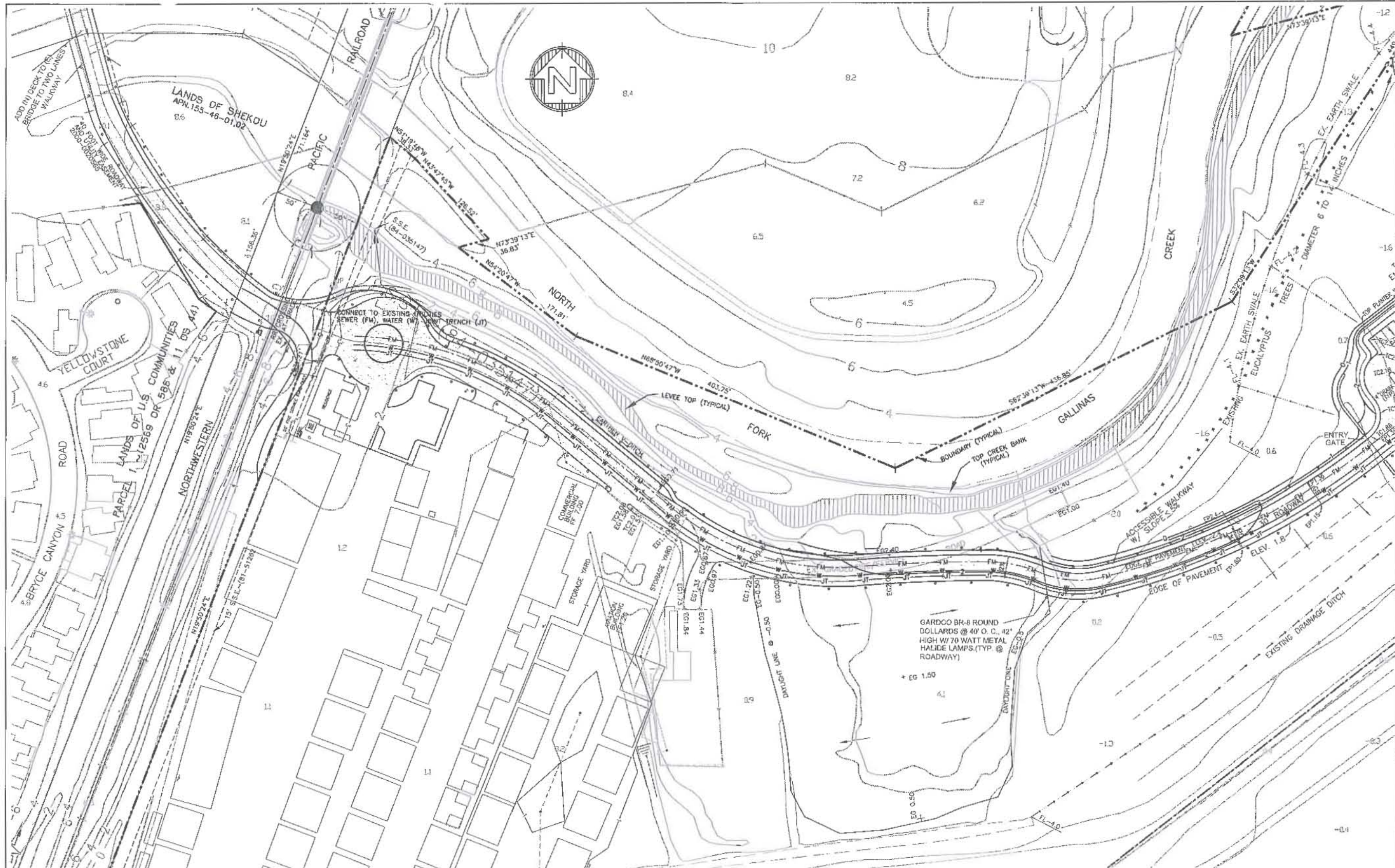
OBERKAMPER & ASSOCIATES
CIVIL ENGINEERS INC.
 7200 REDWOOD BLVD, NOVATO, CA 94945
 PHONE (415) 897-2800 FAX (415) 897-2020
 NOVATO, CALIFORNIA

APN 155-230-10,11,12,13,14,15,16
BASE MAP
LANDS OF SAN RAFAEL AIRPORT LLC ~ PARCEL B, 21 PM 70
 SAN RAFAEL, CALIFORNIA

| | |
|-------------|----------------|
| Scale | 1"=100' |
| Drawn by | AK |
| Designed by | PAB |
| Checked by | L.C.A. |
| Date | NOVEMBER, 2011 |

SHEET
C3
 OF 5
 04-155

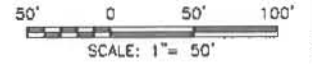
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- LEGEND**
- - - SLOPE TO DRAIN
 - - - EXISTING DRAINAGE DITCH
 - - - NEW EARTH SWALE
 - - - BOUNDARY
 - - - CITY TOPO CONTOURS ~ 2' INTERVALS
 - 1,1 CITY TOPO SPOT ELEVATIONS

EARTHWORK QUANTITIES
 FILL 35,000 CU.YDS.
 CUT 3,000 CU.YDS.

FL_FLOWLINE ~ TC_TOP CURB ~ EP_EDGE PAVEMENT
 FG_FINISH GRADE ~ FF_FINISH FLOOR ~ S_SLOPE
 EG_EXISTING GRADE ~ W_WATER ~ FM_SANITARY SEWER FORCE MAIN
 JT_JOINT TRENCH ~ G_E & T ~ G_GAS ~ E_ELECTRIC ~ T_TELEPHONE

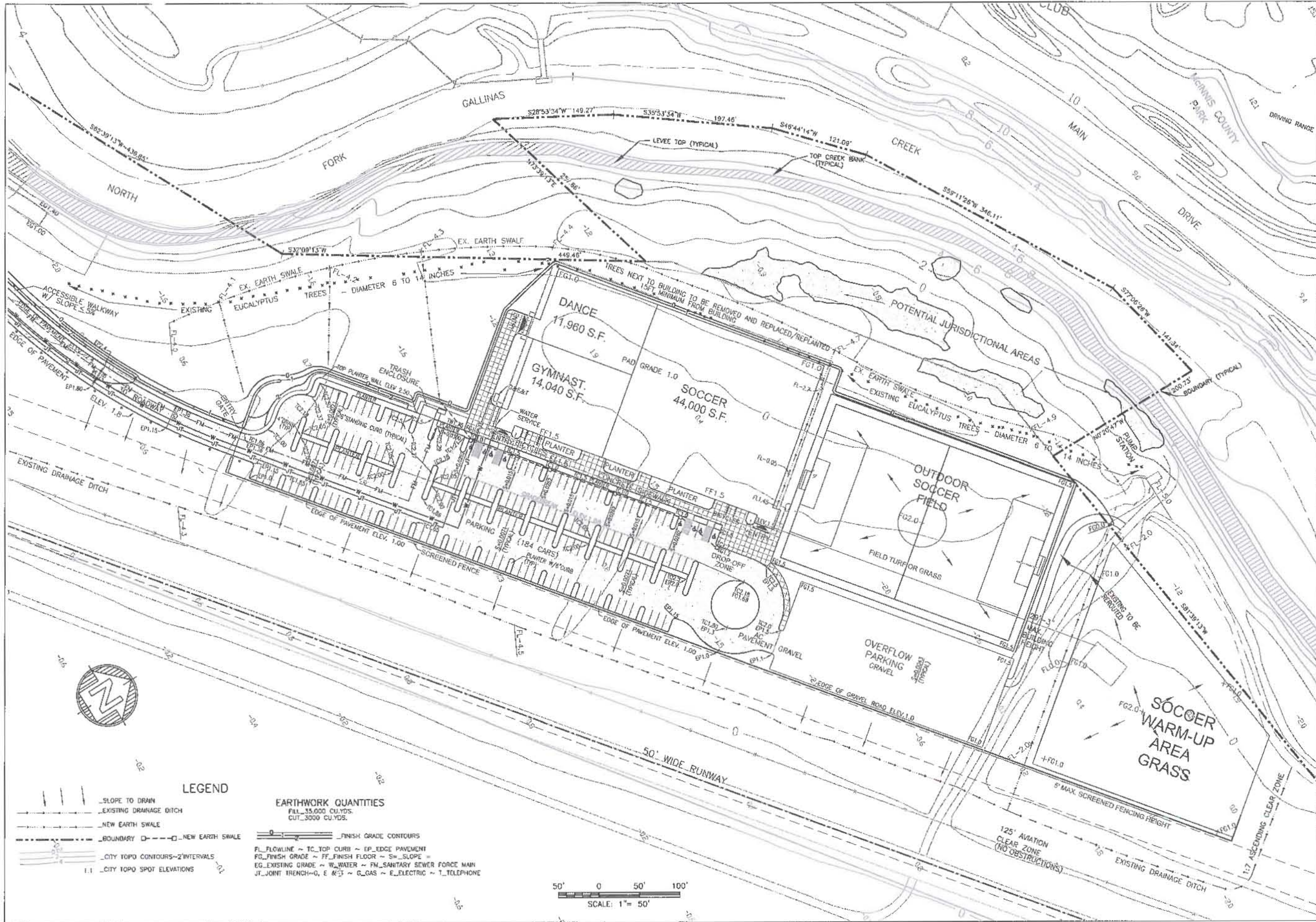


| | | | |
|----------------------|----------|----------|------|
| Scale: 1"=50' | NO. DATE | REVISION | APP. |
| Drawn by: JLN | 1 | | |
| Designed by: PND | 2 | | |
| Checked by: L.C.A. | 3 | | |
| Date: November, 2011 | 4 | | |

OVERKAMPER & ASSOCIATES
CIVIL ENGINEERS INC.
 7200 REDWOOD BLVD., NOVATO, CA 94945
 PHONE (415) 897-2800 FAX (415) 897-2020
 NOVATO, CALIFORNIA

APN 155-230-10, 11, 12, 13, 14, 15, 16
GRADING AND DRAINAGE PLAN
LANDS OF SAN RAFAEL AIRPORT LLC ~ PARCEL B, 21 PM 70
 SAN RAFAEL, CALIFORNIA

SHEET
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 OF 5
 04-155



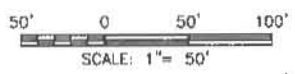
LEGEND

- SLOPE TO DRAIN
- EXISTING DRAINAGE DITCH
- NEW EARTH SWALE
- BOUNDARY
- NEW EARTH SWALE
- CITY TOPO CONTOURS - 2' INTERVALS
- CITY TOPO SPOT ELEVATIONS

EARTHWORK QUANTITIES

FILL 35,000 CU.YDS.
CUT 3,000 CU.YDS.

- FINISH GRADE CONTOURS
- FL - FLOWLINE ~ TC - TOP CURB ~ EP - EDGE PAVEMENT
- FG - FINISH GRADE ~ FF - FINISH FLOOR ~ S - SLOPE
- EG - EXISTING GRADE ~ W - WATER ~ FM - SANITARY SEWER FORCE MAIN
- JT - JOINT TRENCH ~ G - GAS ~ E - ELECTRIC ~ T - TELEPHONE



| | | |
|-----|------|----------|
| NO. | DATE | REVISION |
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |

OVERKAMPER & ASSOCIATES
CIVIL ENGINEERS INC.
 7200 REDWOOD BLVD, NOVATO, CA 94945
 PHONE (415) 897-2800 FAX (415) 897-5020
 NOVATO, CALIFORNIA

APN 155-230-10,11,12,13,14,15,16
GRADING AND DRAINAGE PLAN
LANDS OF SAN RAFAEL AIRPORT LLC - PARCEL B, 21 PM 70
 SAN RAFAEL, CALIFORNIA

Scale: 1" = 50'
 Drawn by: JAK
 Designed by: PAB
 Checked by: L.L.O.
 DATE: MARCH, 2008

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 04-155

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PLANT LIST

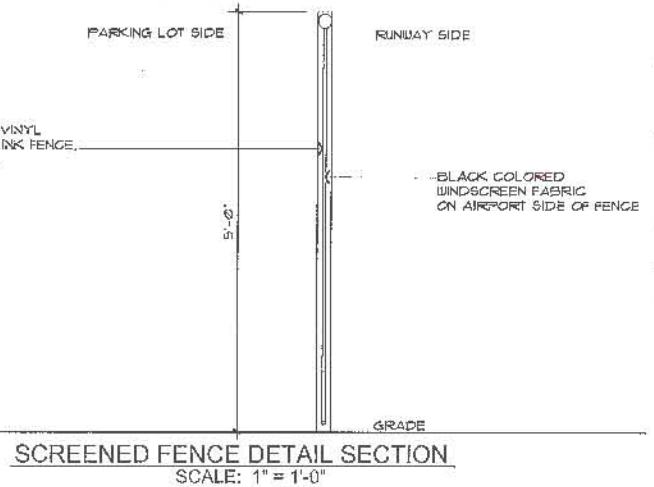
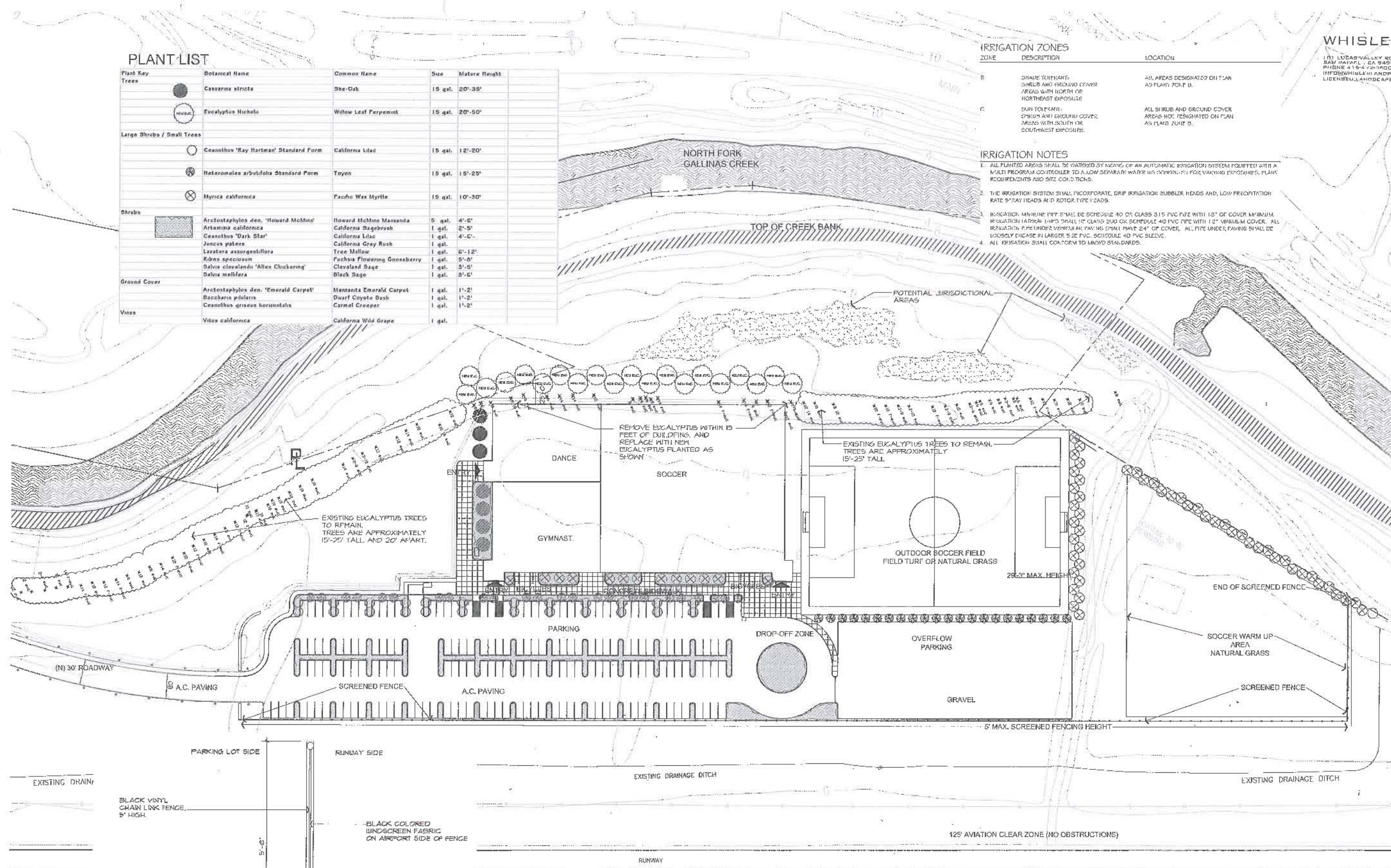
| Plant Key | Botanical Name | Common Name | Size | Mature Height |
|----------------------------|--|------------------------------|---------|---------------|
| Trees | <i>Quercus agrifolia</i> | Sho-Oak | 15 gal. | 20'-35' |
| | <i>Eucalyptus nicholii</i> | Willow Leaf Perennial | 15 gal. | 20'-50' |
| Large Shrubs / Small Trees | <i>Ceanothus 'Ray Hartman' Standard Form</i> | California Lilac | 15 gal. | 12'-20' |
| | <i>Heteromeles arbutifolia Standard Form</i> | Toyon | 15 gal. | 15'-25' |
| | <i>Myrica californica</i> | Pacific Wax Myrtle | 15 gal. | 10'-30' |
| Shrubs | <i>Arctostaphylos den. 'Howard McMin'</i> | Howard McMin Manzanita | 5 gal. | 4'-6' |
| | <i>Artemisia californica</i> | California Sagebrush | 1 gal. | 2'-5' |
| | <i>Ceanothus 'Dark Star'</i> | California Lilac | 1 gal. | 4'-6' |
| | <i>Juncus patens</i> | California Grey Rush | 1 gal. | |
| | <i>Lavatera assurgentiflora</i> | Tree Mallow | 1 gal. | 6'-12' |
| | <i>Kuhnia speciosa</i> | Fuchsia Flowering Gooseberry | 1 gal. | 5'-6' |
| | <i>Salvia clavellata 'Allen Chickering'</i> | Cleveland Sage | 1 gal. | 3'-5' |
| | <i>Salvia mellifera</i> | Black Sage | 1 gal. | 3'-6' |
| Ground Cover | <i>Arctostaphylos den. 'Emerald Carpet'</i> | Manzanita Emerald Carpet | 1 gal. | 1'-2' |
| | <i>Dacchara pilularis</i> | Dwarf Coyote Bush | 1 gal. | 1'-2' |
| | <i>Ceanothus griseus horizontalis</i> | Carmel Creeper | 1 gal. | 1'-2' |
| Vines | <i>Vitis californica</i> | California Wild Grape | 1 gal. | |

IRRIGATION ZONES

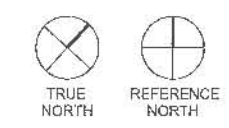
| ZONE | DESCRIPTION | LOCATION |
|------|--|--|
| B | SHADE TOLERANT SHRUB AND GROUND COVER AREAS WITH NORTH OR NORTHEAST EXPOSURE | ALL AREAS DESIGNATED ON PLAN AS PLANT ZONE B. |
| C | SUN TOLERANT SHRUB AND GROUND COVER AREAS WITH SOUTH OR SOUTHWEST EXPOSURE | ALL SHRUB AND GROUND COVER AREAS NOT DESIGNATED ON PLAN AS PLANT ZONE B. |

IRRIGATION NOTES

- ALL PLANTED AREAS SHALL BE WATERED BY MEANS OF AN AUTOMATIC IRRIGATION SYSTEM EQUIPPED WITH A MULTI PROGRAM CONTROLLER TO ALLOW SEPARATE WATERING SCHEDULES FOR VARYING SPECIES, PLANT REQUIREMENTS AND SITE CONDITIONS.
- THE IRRIGATION SYSTEM SHALL INCORPORATE DRIP IRRIGATION BUBBLER HEADS AND LOW PRECIPITATION RATE SPRAY HEADS AND ROTOR TYPE HEADS.
- IRRIGATION MAINLINE PIPE SHALL BE SCHEDULE 40 OR CLASS 315 PVC PIPE WITH 1/2" COVER MINIMUM. IRRIGATION LATERAL LINES SHALL BE SCHEDULE 40 PVC PIPE WITH 1/2" MINIMUM COVER. ALL IRRIGATION PIPE UNDER VERTICAL PAVING SHALL HAVE 24" OF COVER. ALL PIPE UNDER PAVING SHALL BE LOOSELY ENCASED IN LARGER SIZE PVC SCHEDULE 40 PVC SLEEVE.
- ALL IRRIGATION SHALL CONFORM TO MIMWD STANDARDS.



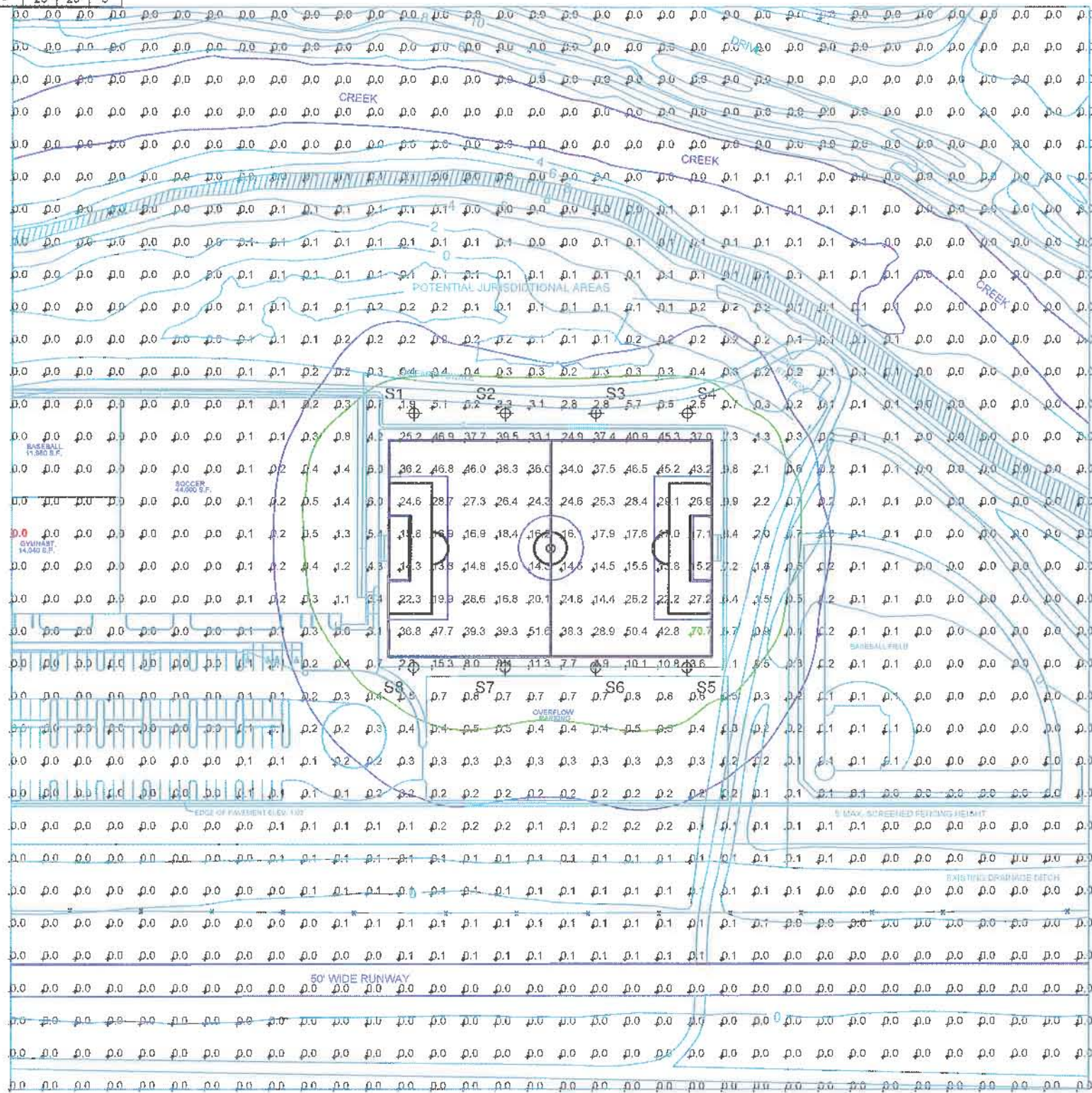
LANDSCAPE PLAN
SCALE: 1" = 50'



SCALE: 1"=50'
 DEC. 14, 2006
 REVISED NOV. 9, 2011

DRAWINGS:
LANDSCAPE PLAN

| EQUIPMENT LIST FOR AREAS SHOWN | | | | | | | | | | |
|--------------------------------|----------|------|-----------------|-----------------|-----------|----------|-----------|-------------|----|----|
| Pole | | | Luminaires | | | | | | | |
| QTY | LOCATION | SIZE | GRADE ELEVATION | MOUNTING HEIGHT | LAMP TYPE | QTY/POLE | THIS GRID | OTHER GRIDS | | |
| 4 | S1-S4 | 40' | - | 40' | 1500W MZ | 3 | 3 | 0 | | |
| 4 | S5-S8 | 23' | - | 23' | 1500W MZ | 2 | 2 | 0 | | |
| 8 | TOTALS | | | | | | | | 20 | 20 |



NOTES: The (2) Lines indicated are iso-footcandle contours for .5 FC and .2 FC. Soccer field is 300' x 200'.



Pole location(s) Ⓢ dimensions are relative to 0,0 reference point(s) ⊗



GUARANTEED PERFORMANCE

ILLUMINATION SUMMARY

| | |
|---|----------|
| Blanket | |
| Airport Sports Center San Rafael, CA | |
| Blanket | |
| · Grid Spacing = 30.0' x 30.0' | |
| · Values given at 3.0' above grade | |
| · Luminaire Type: Green Generation | |
| · Rated Lamp Life: 5000 hours | |
| · Avg Lumens/Lamp: 134,000 | |
| CONSTANT ILLUMINATION | |
| HORIZONTAL FOOTCANDLES | |
| Entire Grid | |
| No. of Target Points: | 1156 |
| Average: | 2.0 |
| Maximum: | 71 |
| Minimum: | 0 |
| Avg/Min: | 606.06 |
| Max/Min: | 21235.01 |
| UG (Adjacent Pts): | 22.18 |
| CV: | 3.75 |
| Average Lamp Tilt Factor: | 1.000 |
| Number of Luminaires: | 20 |
| Avg KW over 5000 hours: | 31.28 |
| Max KW: | 34.0 |

Guaranteed Performance: The CONSTANT ILLUMINATION described above is guaranteed for the rated life of the lamp.

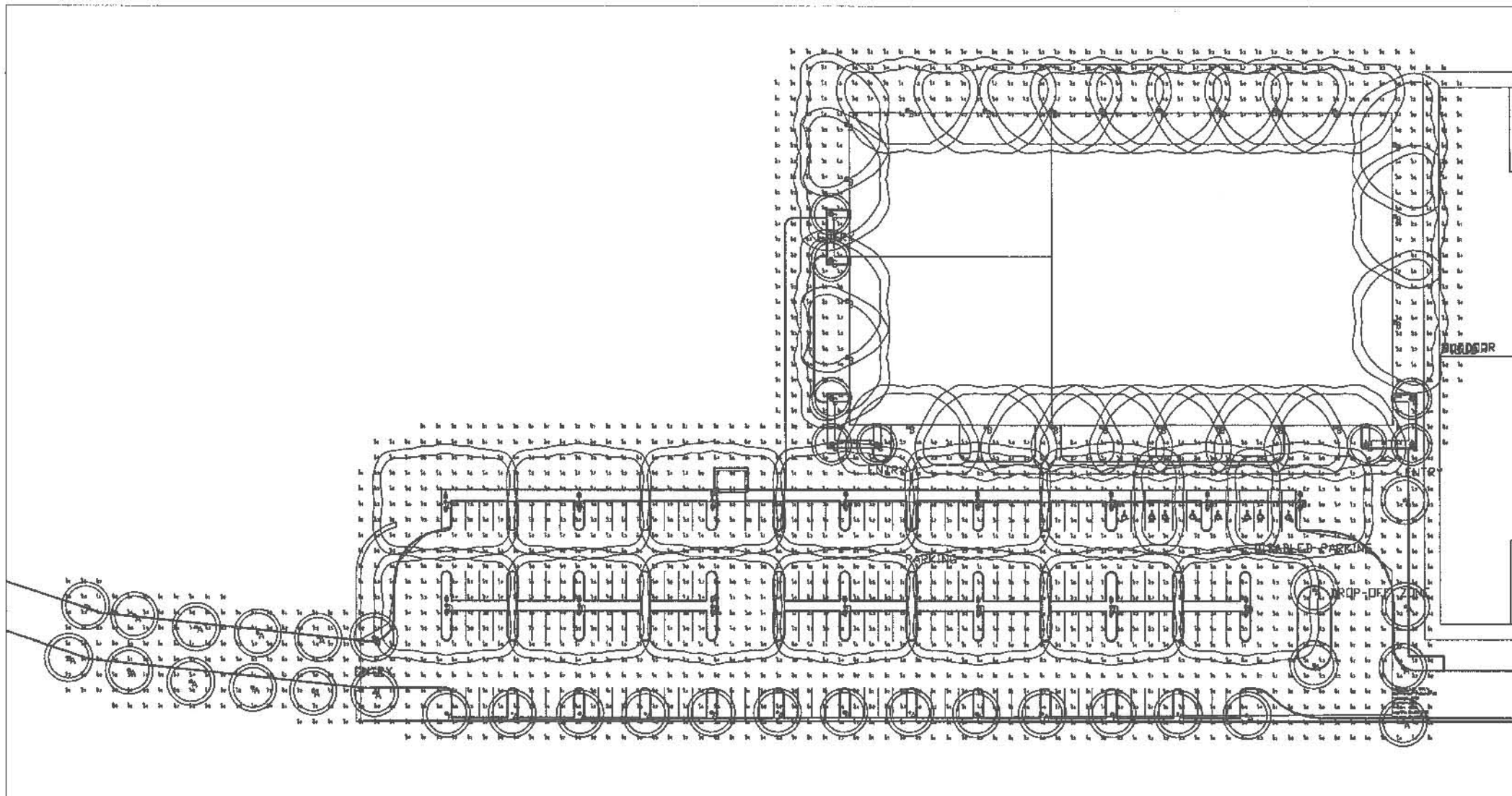
Field Measurements: Averages shall be +/-10% in accordance with IESNA RP-6-01 and CIBSE LG4. Individual measurements may vary from computer predictions.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume +/- 3% nominal voltage at line side of the ballast and structures located within 3 feet (1m) of design locations.

By: Ryan Purdum Date: 05-Dec-06
File #: 123015R2

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| Symbol | Qty | Label | Arrangement | Lumens | LLF | Description | Filename |
|--------|-----|-------|-------------|--------|-------|----------------------|-------------|
| ⊙ | 31 | A | SINGLE | 5200 | 0.720 | GARDCC BR800-100HH | B8R1X.ies |
| ⊙ | 23 | B | SINGLE | 13300 | 0.720 | GARDCC BE 14-3-150MH | GS317M.ies |
| ⊙ | 8 | C | SINGLE | 3200 | 0.860 | GARDCC 220-F-42TRF | GDCF42F.ies |
| ⊙ | 15 | D | BACK-BACK | 13300 | 0.720 | GARDCC 1413_150MS | GS317M.ies |

INDIVIDUAL LUMINAIRE ISOLINES REPRESENT THRESHOLDS OF .25 AND .5 FOOTCANDLES.

| Symbol | Qty | Label | Arrangement | Lumens | LLF | Description | Filename |
|--------|-----|-------|-------------|--------|-------|----------------------|-------------|
| ⊙ | 31 | A | SINGLE | 5200 | 0.720 | GARDCC BR800-100HH | B8R1X.ies |
| ⊙ | 23 | B | SINGLE | 13300 | 0.720 | GARDCC BE 14-3-150MH | GS317M.ies |
| ⊙ | 8 | C | SINGLE | 3200 | 0.860 | GARDCC 220-F-42TRF | GDCF42F.ies |
| ⊙ | 15 | D | BACK-BACK | 13300 | 0.720 | GARDCC 1413_150MS | GS317M.ies |

| Description | CalcType | Units | Avg | Max | Min | Avg/Min | Max/Min | # Pts |
|-------------|-------------|-------|------|------|-----|---------|---------|-------|
| | Illuminance | Fc | 1.82 | 12.2 | 0.0 | 0.00 | 0.00 | 1983 |



ASSOCIATED LIGHTING REPRESENTATIVES, INC.
8400 ENTERPRISE WAY
P.O. BOX 2265
OAKLAND, CA 94621
PHONE: (510) 638-0158 - FAX (510) 638-2908

ALL VALUES SHOWN ARE MAINTAINED HORIZONTAL FOOTCANDLES AT GRADE

PHOTOMETRIC DATA USED AS INPUT FOR THESE CALCULATIONS IS BASED ON ESTABLISHED IES PROCEDURES AND PUBLISHED LAMP RATINGS. FIELD PERFORMANCE WILL DEPEND ON ACTUAL LAMP, BALLAST, ELECTRICAL, AND SITE CHARACTERISTICS.

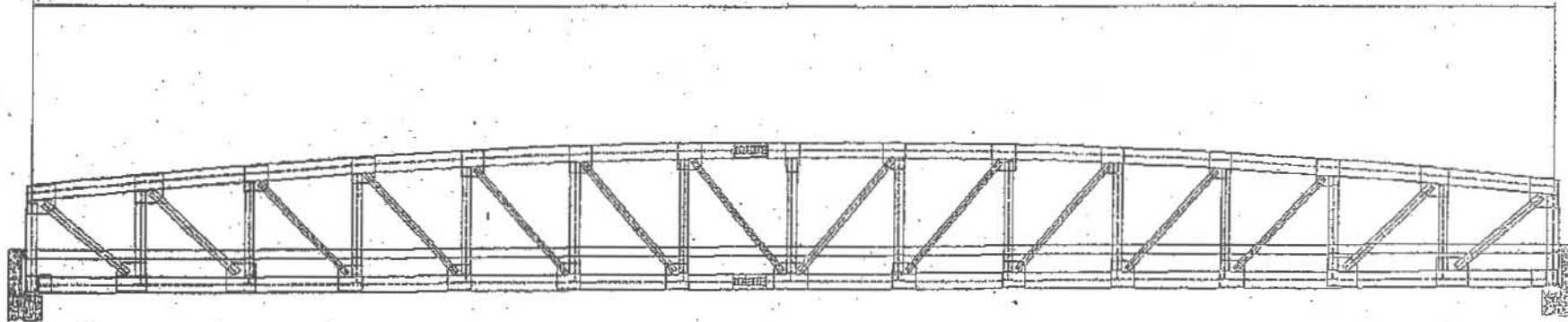
Calculations have been performed according to IES standards and good practice. Some differences between measured values and calculated results may occur due to tolerances in calculation methods, testing procedures, component performance, measurement techniques and field conditions such as voltage and temperature variations. Input data used to generate the attached calculations such as room dimensions, reflectances, furniture and architectural elements significantly affect the lighting calculations. If the real environment conditions do not match the input data, differences will occur between measured values and calculated values.

REPORT FOR: JHS PROPERTIES; ROBERT HERBST
BY: APPLICATIONS ENGINEERING; JIM McCARTY, LC
SALES REPRESENTATIVE: ALR; STEVE ELLSWORTH

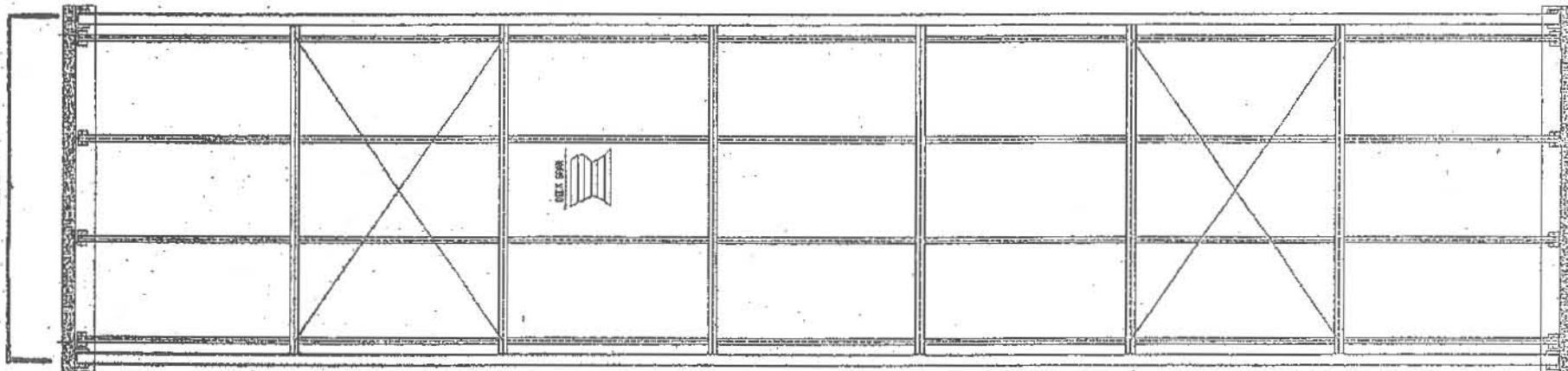
AGI32 VERSION 1.66
AGI (C) 2002 LIGHTING ANALYSTS, INC.
1034 WEST CHATFIELD AVENUE, SUITE 100, LITTLETON, CO 80121

| | | | |
|-------------------|--|-----------------|----------|
| | Associated Lighting Representatives | | |
| | PROJECT DESCRIPTION SAN RAFAEL AIRPORT PROJECT LIGHTING ANALYSIS D:\4402\A\1\PROJECT FILE 5762ELL.DWG LAS2 | | |
| SCALE 1" = 40' | DATE 1 OF 1 | DATE 6/17/05 | REV 1 |

122'



25'



CONSTRUCTION:

The proposed modular steel truss bridge deck is designed to meet highway load standards and will span Gallinas Creek without the need for driving any new piles within the creek bed or doing any other work within the creek bed. The modular bridge will rest on new concrete abutments to be located in the upland area on each side of the existing bridge. The bridge surface will be 8 inches of reinforced concrete over 22 gauge steel decking. Engineered shop drawings shall be prepared by a Professional Engineer registered with the State of California.

The rails of the existing bridge will be removed to make way for the new bridge deck. The new bridge deck will then be lowered via crane directly over the top of the existing bridge, and will rest and be supported by the new concrete abutments. The existing bridge structure will remain in place, and will be used as a platform to perform maintenance on the new bridge deck and to carry utility lines.

The new bridge deck will be 25 feet wide, which is slightly narrower than the existing bridge structure. A 5 foot wide handicap accessible sidewalk shall be provided, along with two 10 foot wide travel lanes. Horizontal hand rails shall meet UBC safety requirements. All exposed steel will have a Weathering Steel maintenance free finish that will provide a natural look in keeping with the creek environment in which it is located.

Preliminary Only - Not for Construction

This bridge is designed per AASHTO Standard Specifications for Highway Bridges.

Project: San Rafael Airport
 Location: SAN RAFAEL, CALIFORNIA
 Date: 7/25/2005



Vehicular Bridge Office
 Phone: 866 294 9787

A GONTCH COMPANY