

GENERAL NOTES:

- CONSTRUCTION WORK HOURS ARE LIMITED TO 8:00 AM TO 6:00 PM, MONDAY THROUGH FRIDAY. WORK PROHIBITED ON SATURDAYS, SUNDAYS AND NATIONAL HOLIDAYS.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THESE PLANS, THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREENBOOK"), AND CITY OF HERMOSA BEACH PUBLIC WORKS STANDARD PLANS.
- ALL WORK DONE WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE DONE BY A LICENSED CONTRACTOR WITH A CLASS A, C-8 OR C-12 LICENSE FOR ALL SIDEWALK, CURB AND GUTTER, C-12 LICENSE FOR ALL STREET PAVEMENT WORK, AND CLASS C-34 LICENSE FOR UTILITY WORK SUCH AS SEWER LATERAL, SEWER CAP AND UNDERGROUND UTILITY WORK IN CONJUNCTION WITH A SINGLE FAMILY RESIDENTIAL STRUCTURE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS. PUBLIC WORKS TEMPORARY RIGHT-OF-WAY PERMITS ARE REQUIRED FOR ANY SCAFFOLDING, UTILITY TRENCHING, LUMBER DROPS, CRANES, DUMPSTERS, ETC. ON PUBLIC PROPERTY. THE PUBLIC WORKS PERMIT MUST BE ON THE JOB SITE AND AVAILABLE FOR REVIEW BY CITY OFFICIALS AT ALL TIMES. IF ANY WORK HAS BEGUN BEFORE OBTAINING A PERMIT, THE JOB WILL BE STOPPED UNTIL THE PERMIT IS OBTAINED.
- ALL CONTRACTORS WORKING ON PUBLIC WORKS PROJECTS MUST HAVE A CURRENT CITY OF HERMOSA BEACH BUSINESS LICENSE.
- THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA) AT (800) 227-2600 TWO WORKING DAYS BEFORE PERFORMING ANY DIGGING. SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES THAT A DIGALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID.
- ALL EXCAVATIONS SHALL BE BACKFILLED AT THE END OF EACH WORKING DAY AND ROADS OPENED TO VEHICULAR TRAFFIC UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
- CONTACT PUBLIC WORKS FOR INSPECTION AT LEAST 24 HOURS IN ADVANCE. INSPECTIONS ARE AVAILABLE MONDAY THROUGH FRIDAY, 8:30 A.M. TO 12:00 P.M. AND 1:00 P.M. TO 4:30 P.M.; OFFICE COUNTER ASSISTANCE IS AVAILABLE FROM 7:00 A.M. TO 8:30 A.M. AND 4:30 P.M. TO 6:00 P.M.
- ALL FORMS AND COMPACTION SHALL BE INSPECTED PRIOR TO ANY CONCRETE POUR OR ASPHALT BEING PLACED.
- ALL SURVEY POINTS AND MONUMENTS SHALL BE PROTECTED IN PLACE OR RE-ESTABLISHED IF THEY ARE REMOVED OR DESTROYED DURING CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR EROSION CONTROL, DUST CONTROL, AND TEMPORARY DRAINAGE CONTROL AT ALL TIMES.
- ALL CONSTRUCTION TO BE IN CONFORMANCE WITH THE REGULATIONS OF CAL-OSHA.

GENERAL NOTES FOR STREET AND STORM DRAIN IMPROVEMENTS:

- ALL STREET CLOSURES REQUIRE A TRAFFIC CONTROL PLAN TO BE REVIEWED AND APPROVED BY THE CITY ENGINEER PRIOR TO CONSTRUCTION. ALL TRAFFIC CONTROL SHALL BE PER THE WORK AREA TRAFFIC CONTROL HANDBOOK (WATCH) MANUAL. STREET CLOSURES APPROVED BY THE CITY ENGINEER WILL REQUIRE A MINIMUM OF 48 HOUR NOTICE TO BE POSTED AND DISTRIBUTED WITH PROPER DOOR-HANGERS TO ALL RESIDENCES ON SAME BLOCK. THE CONTRACTOR SHALL ALSO NOTIFY THE DISPATCH CENTER FOR HERMOSA BEACH POLICE AND FIRE DEPARTMENTS AT (310) 524-2750 OF ANY CLOSURES OR RESTRICTIONS IN ACCESS.
- GRAFFITI IN FRESHLY POURED CONCRETE SHALL BE REMOVED BY WHATEVER MEANS NECESSARY UP TO AND INCLUDING REMOVAL AND REPLACEMENT.
- ANY ASPHALT OR CONCRETE PAVEMENT WITHIN THE PROPERTY LIMITS THAT IS DAMAGED PRIOR TO CONSTRUCTION SHALL BE REMOVED AND REPLACED TO MEET CURRENT CITY STANDARDS.
- ANY PUBLIC PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN KIND OR BETTER TO THE SATISFACTION OF THE CITY PUBLIC WORKS INSPECTOR. THE CITY SHALL, AT ITS DISCRETION AND IN THE INTEREST OF PUBLIC SAFETY, MAKE ANY REPAIRS DEEMED NECESSARY; THE COST OF SUCH REPAIRS WILL BE DEDUCTED FROM THE DEPOSIT HELD BY THE CITY.
- ALL EXISTING PAVEMENT TO BE REMOVED SHALL BE SAW-CUT OR WHEEL-CUT AND REMOVED TO CLEAN STRAIGHT LINES.
- AT ALL LOCATIONS WHERE NEW PAVEMENT JOINS EXISTING, THE EXISTING PAVEMENT SHALL BE COATED WITH AN ASPHALTIC EMULSION.

GENERAL NOTES FOR SEWER AND UTILITY IMPROVEMENTS:

- SEPARATION OF SEWER AND WATER FACILITIES SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE STATE OF CALIFORNIA DEPT OF HEALTH SERVICES.
- SEWER LATERALS SHALL BE CONNECTED TO THE SEWER MAIN WITH WYES.
- THE SEWER LINE SHALL BE TESTED PRIOR TO MAKING PERMANENT SERVICE CONNECTIONS.
- BACKFILL OF TRENCHES SHALL BE DONE IN LIFTS OF NO MORE THAN 8-INCHES WITH WATER AND APPROPRIATE COMPACTION TOOLS USED BETWEEN EACH LIFT. ONE SACK SLURRY MIX CAN BE USED IN PLACE OF NATIVE SOIL. AFTER BACKFILLING THE TRENCH, A TEMPORARY ASPHALT PATCH SHALL BE PLACED OVER THE TRENCH AND REMAIN FOR NO MORE THAN TWO WEEKS. THE FINAL PATCH SHALL BE A MINIMUM OF 5" THICK OR 1" THICKER THAN THE EXISTING PAVEMENT. THE CONTRACTOR SHALL FOLLOW THE LATEST HERMOSA BEACH STANDARD PLANS FOR AC AND PCC PAVEMENT.
- THE FINAL PATCH IN ASPHALT STREETS SHALL BE DONE IN TWO LIFTS, A BASE OF 3" MINIMUM 3/4" AGGREGATE AND A TOP LIFT OF 2" OF 3/8" AGGREGATE. ALL EDGES OF THE CUT ASPHALT SHALL BE TACKED THOROUGHLY AND THE PATCH COMPACTED BY MECHANICAL MEANS TO A HEIGHT SLIGHTLY HIGHER THAN THE EXISTING ASPHALT.
- THE FINAL PATCH ON CONCRETE STREETS SHALL BE CLASS 3500 P.S.I (7 SACK). EXISTING CONCRETE TO BE DRILLED 2 1/2" BELOW THE SURFACE TO A DEPTH OF 6" MINIMUM AND DOWELLED WITH #5 REBAR SPACED AT 18" ON CENTER. FINISH TO MATCH EXISTING OR MEDIUM BROOM.
- ALL UTILITY BOXES ARE TO BE ADJUSTED TO THE NEW GRADE. DAMAGED BOXES SHALL BE REPLACED. KEEP ALL UTILITY BOXES OUT OF DRAINAGE FLOW LINES, CURB RETURNS, DRIVEWAY APPROACHES, AND ADA RAMPS, UNLESS APPROVED BY THE CITY ENGINEER.

CITY OF HERMOSA BEACH CONSTRUCTION PLANS FOR CIP 619 – KELLY COURTS RENOVATION



JOB SAFETY REQUIREMENTS:

- PROPER BARRICADES SHALL BE PLACED AROUND ANY CONSTRUCTION SITE WITHIN THE PUBLIC RIGHT-OF-WAY. THESE BARRICADES SHALL COMPLY WITH THE REQUIREMENTS OF THE WATCH MANUAL.
- ALL CONSTRUCTION FENCING SHALL BE BEHIND THE SIDEWALK AND ALL CONSTRUCTION MATERIAL WITHOUT PERMITS SHALL BE STORED BEHIND THE FENCE. SIDEWALKS ARE TO BE ACCESSIBLE TO PEDESTRIANS AT ALL TIMES.
- NO CONSTRUCTION EQUIPMENT, CONSTRUCTION MATERIAL, PORTABLE TOILETS, DUMPSTERS, ETC. SHALL BE LEFT ON THE PUBLIC RIGHT-OF-WAY WITHOUT PROPER PERMITS. THESE OBSTRUCTIONS MUST HAVE PROPER BARRICADES WITH FLASHING YELLOW LIGHTS AFTER DARK.
- ANY PUBLIC SIDEWALK DAMAGED TO THE POINT OF CAUSING A TRIP HAZARD MUST BE REPAIRED IMMEDIATELY. THE PANEL OF CONCRETE SHALL BE REMOVED AND PATCHED WITH A TEMPORARY ASPHALT PATCH AND MUST BE KEPT IN GOOD REPAIR UNTIL THE PERMANENT SIDEWALK IS CONSTRUCTED.
- ALL VEHICLES THAT INTRUDE INTO A NORMAL TRAFFIC LANE MUST HAVE PROPER SIGNAGE AND BARRICADES AS REQUIRED BY THE WATCH MANUAL.
- ALL WORK VEHICLES ARE SUBJECT TO ALL APPLICABLE PARKING RESTRICTIONS.
- FLAGMEN ARE REQUIRED FOR ANY VEHICLES THAT BLOCK THE TRAVEL LANE AND REQUIRE TRAFFIC TO USE THE OPPOSING LANE TO PASS.

WATER QUALITY REQUIREMENTS:

- PRECAUTIONS SHALL BE TAKEN TO PREVENT ANY CONSTRUCTION MATERIAL DEBRIS OR RUNOFF FROM ENTERING ANY PUBLIC RIGHT-OF-WAY OR COUNTY STORM DRAIN. ALL SAW-CUT RESIDUE MUST BE RETAINED WITH BERMS OR SANDBAGS AND VACUUMED TO PREVENT IT FROM ENTERING ANY STORM DRAIN SYSTEM.
- SANDBAGS ARE REQUIRED FOR EROSION CONTROL DURING THE RAINY SEASON, OCTOBER 15TH THROUGH APRIL 15TH, AND MAY BE REQUIRED AT OTHER TIMES. SANDBAGS ARE REQUIRED AT NEARBY CATCH BASINS DURING CONSTRUCTION. SANDBAGS SHALL BE MAINTAINED AND IN GOOD CONDITION AT ALL TIMES.
- CONTRACTOR SHALL ENSURE BROKEN PAVEMENT DOES NOT COME IN CONTACT WITH RAINFALL OR RUNOFF.
- VACUUM SAW-CUT SLURRY AND REMOVE FROM THE SITE. FOR DISPOSAL INFORMATION CONTACT THE L.A. COUNTY DEPARTMENT OF PUBLIC WORKS AT 800-552-5218.
- COVER OR BARRICADE STORM DRAIN OPENINGS DURING SAW-CUTTING.
- DURING CONSTRUCTION:
 - PROTECT CATCH BASINS AND MAINTENANCE HOLES WHEN APPLYING SEAL COAT, SLURRY SEAL, FOG SEAL, ETC.
 - USE CHECK DAMS, DITCHES, OR BERMS TO DIVERT RUNOFF AROUND EXCAVATIONS.
 - COLLECT AND RECYCLE EXCESS ABRASIVE GRAVEL OR SAND.
 - AVOID OVER-APPLICATION BY WATER TRUCKS FOR DUST CONTROL.
 - NEVER HOSE DOWN "DIRTY" PAVEMENT OR SURFACES. CLEAN UP ALL SPILLS AND LEAKS USING "DRY" METHODS (WITH ABSORBENT MATERIALS AND/OR RAGS), OR DIG UP AND REMOVE CONTAMINATED SOIL. FOR DISPOSAL INFORMATION CALL 800-552-5218.
 - CATCH DRIPS FROM PAVER WITH DRIP PANS OR ABSORBENT MATERIAL (CLOTH, RAGS, ETC.) PLACED UNDER THE MACHINE WHEN NOT IN USE.

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22.	ECP-3 ELECTRICAL DETAILS
23.	EM-1 MUSCO LIGHTING DESIGN
24.	EM-2 MUSCO LIGHTING DESIGN

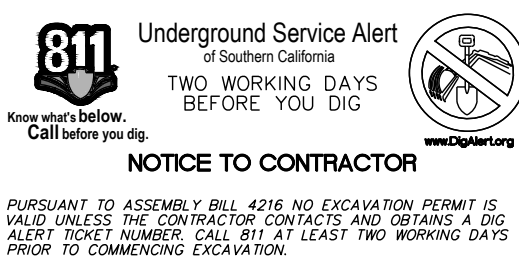
PLANS PREPARED BY:



nuvis
LANDSCAPE
ARCHITECTURE
20250 SW ACACIA ST, STE 260
NEWPORT BEACH, CA
U. S. A. 9 2 6 6 0
PH: 714.754.7311

PERRY A. CARDOZA, RLA LICENSE No. 3943 DATE

REVISIONS		
No.	DESCRIPTION	DATE



PUBLIC WORKS
1315 VALLEY DRIVE
HERMOSA BEACH, CA 90254
(310) 318-0214

REVIEWED BY:

Laney Wilson 12/10/24
LANEY WILSON, ASSOCIATE ENGINEER DATE

RECOMMENDED BY:

SAAD MALIM, P.E., SENIOR ENGINEER DATE

APPROVED BY:
J. Oskoui 12/10/24
JOHN OSKOU, P.E., ACTING CITY ENGINEER DATE

CIP 619 KELLY COURTS RENOVATIONS		PLAN NO. 23-004
COVER SHEET		RECOMMENDED BY: T-1 SHT. _1_ OF _2_

CAUTION:

- CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT FOR LOCATION OF UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION – PHONE (800) 422-4133 OR 811. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES PRIOR TO BEGINNING ANY WORK ON THIS SITE.

GENERAL SITE NOTES:

- CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING ON THIS WORK AND CONSIDER THE EXISTING CONDITIONS AND SITE CONSTRAINTS IN THE BID. CONTRACTOR SHALL BE IN THE POSSESSION OF AND FAMILIAR WITH ALL APPLICABLE GOVERNING AGENCIES STANDARD DETAILS AND SPECIFICATIONS PRIOR TO SUBMITTING A BID.
- THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREENBOOK)", LATEST EDITION INCLUDING SUPPLEMENTS THERETO, IS HEREBY MADE A PART OF THIS PLAN.
- ALL WORK ON-SITE AND IN THE PUBLIC RIGHT-OF-WAY SHALL CONFORM TO ALL APPLICABLE GOVERNING AGENCIES STANDARD DETAILS & SPECIFICATIONS.
- PRIOR TO BEGINNING WORK, AND AFTER INITIAL HORIZONTAL CONTROL STAKING, CONTRACTOR SHALL FIELD CHECK ALL ELEVATIONS MARKED WITH (E) AND REPORT ANY DISCREPANCIES GREATER THAN 0.05' TO PROJECT MANAGER.
- DAMAGE TO ANY EXISTING SITE IMPROVEMENTS, UTILITIES AND/OR SERVICES TO REMAIN SHALL BE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL REPAIR AND/OR REPLACE IN KIND.
- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND THAT THE CONTRACTOR SHALL DEFEND INDEMNIFY AND HOLD THE CITY, THE CONSULTING ENGINEER AND THE CITY HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE CITY OR THE CONSULTING ENGINEER.

SITE FENCE NOTES:

- CONTRACTOR SHALL PROVIDE A CONSTRUCTION FENCE AROUND THE ENTIRE AREA OF DEMOLITION AND CONSTRUCTION, INCLUDING ALL STAGING, STORAGE, CONSTRUCTION OFFICE AND LAYDOWN AREAS.
- CONSTRUCTION FENCE SHALL BE A MINIMUM OF A 6' HIGH GALVANIZED CHAIN LINK WITH GREEN WINDSCREEN FABRIC ON THE OUTSIDE OF THE FENCE.
- CONSTRUCTION FENCE ADDRESSED IN THESE NOTES IS ONLY FOR VISUAL CONFORMANCE OF THIS CONSTRUCTION SITE TO THE CITY STANDARDS. CONTRACTOR MAY BE REQUIRED TO PROVIDE ADDITIONAL FENCING, BARRICADES OR OTHER SAFETY DEVICES TO KEEP THE SITE SECURE AND SAFE.

RECORD DRAWINGS:

- THE CONTRACTOR SHALL KEEP UP-TO-DATE AND ACCURATE COMPLETE RECORD SET OF THE CONTRACT DRAWINGS SHOWING EVERY CHANGE FROM THE ORIGINAL DRAWINGS MADE DURING THE COURSE OF CONSTRUCTION INCLUDING EXACT FINAL LOCATION, ELEVATION, SIZES, MATERIALS, AND DESCRIPTION OF ALL WORK. RECORDS SHALL BE "REDLINED" ON A SET OF CONSTRUCTION PLAN DRAWINGS. A COMPLETE SET OF CORRECTED AND COMPLETED RECORD DRAWING PRINTS SHALL BE SUBMITTED TO THE CITY ENGINEER PRIOR TO FINAL ACCEPTANCE FOR REVIEW AND APPROVAL BY THE CITY ENGINEER.

SITE MAINTENANCE:

- GATHER ALL CONSTRUCTION DEBRIS ON A REGULAR BASIS AND PLACE IT IN A DUMPSTER OR OTHER CONTAINER WHICH IS EMPTIED OR REMOVED WHEN APPROPRIATE. USE TARPS ON THE GROUND TO COLLECT FALLEN DEBRIS OR SPLATTERS THAT COULD CONTRIBUTE TO STORM WATER RUNOFF POLLUTION.
- REMOVE ALL DIRT, GRAVEL, RUBBISH, REFUSE, AND GREEN WASTE FROM STREET PAVEMENT AND STORM DRAINS ADJOINING THE SITE. LIMIT CONSTRUCTION ACCESS ROUTES ON THE SITE AND PLACE GRAVEL PADS AT THESE LOCATIONS. DO NOT DRIVE VEHICLES AND EQUIPMENT OFF THE PAVED OR GRAVELED AREAS DURING WET WEATHER.
- SWEEP OR VACUUM THE STREET PAVEMENT AND SIDEWALKS ADJOINING THE PROJECT SITE AND THE ON-SITE PAVED AREAS ON A DAILY BASIS. SCRAPE CAKED-ON MUD AND DIRT FROM THESE AREAS BEFORE SWEEPING. CORNERS AND HARD TO REACH AREAS SHALL BE SWEEPED MANUALLY.
- IF THE STREETS, SIDEWALKS, AND/OR PARKING LOT ARE PRESSURE WASHED, DEBRIS MUST BE TRAPPED AND COLLECTED TO PREVENT ENTRY INTO THE STORM DRAIN. NO CLEANING AGENT MAY BE DISCHARGED INTO THE STORM DRAIN. IF ANY CLEANING AGENT OR DEGREASER IS USED, WASH WATER MUST BE COLLECTED AND DISCHARGED TO THE SANITARY SEWER, SUBJECT TO THE APPROVAL OF THE PROJECT MANAGER, OR OTHERWISE DISPOSED OF THROUGH APPROVED DISPOSAL METHODS.
- CREATE A CONTAINED AND COVERED AREA ON THE SITE FOR THE STORAGE OF BAGS, CEMENT, PAINTS, OILS, FERTILIZERS, PESTICIDES, OR OTHER MATERIALS USED ON THE SITE THAT HAVE THE POTENTIAL OF BEING DISCHARGED INTO THE STORM DRAIN SYSTEM THROUGH EITHER BEING WIND-BLOWN OR IN THE EVENT OF A MATERIAL SPILL.
- NEVER CLEAN MACHINERY, EQUIPMENT OR TOOLS INTO A STREET, GUTTER OR STORM DRAIN.
- ENSURE THAT CEMENT TRUCKS, PAINTERS, OR STUCCO/PLASTER FINISHING CONTRACTORS DO NOT DISCHARGE WASH WATER FROM EQUIPMENT, TOOLS OR RINSE CONTAINERS INTO GUTTERS OR DRAINS.
- PREVENT DUST FROM LEAVING THE SITE AND ACCUMULATING ON ADJACENT AREAS AS REQUIRED IN THE DUST CONTROL NOTES ON THIS SHEET.
- PREVENT SEDIMENT LADEN STORM RUN-OFF FROM LEAVING THE SITE OR ENTERING THE STORM DRAIN OR SANITARY SEWER SYSTEMS AS REQUIRED IN THE EROSION AND SEDIMENT CONTROL NOTES ON SHEET C6.1.

DUST CONTROL:

- WATER TRUCKS SHALL BE PRESENT AND IN USE AT THE CONSTRUCTION SITE. ALL PORTIONS OF THE SITE SUBJECT TO BLOWING DUST SHALL BE WATERED AS OFTEN AS DEEMED NECESSARY BY THE CITY IN ORDER TO ENSURE PROPER CONTROL OF BLOWING DUST FOR THE DURATION OF THE PROJECT.
- ALL PUBLIC STREETS AND MEDIANS SOILED OR LITTERED DUE TO THIS CONSTRUCTION ACTIVITY SHALL BE CLEANED AND SWEEPED ON A DAILY BASIS DURING THE WORK WEEK, OR AS OFTEN AS DEEMED NECESSARY BY THE CITY, OR TO THE SATISFACTION OF THE CITY'S DEPARTMENT OF PUBLIC WORKS.
- ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS SHALL BE COVERED WITH TARP/AULINS OR OTHER EFFECTIVE COVERS.
- WHEEL WASHERS SHALL BE INSTALLED AND USED TO CLEAN ALL TRUCKS AND EQUIPMENT LEAVING THE CONSTRUCTION SITE. IF WHEEL WASHERS CANNOT BE INSTALLED, TIRES OR TRACKS OF ALL TRUCKS AND EQUIPMENT SHALL BE WASHED OFF BEFORE LEAVING THE CONSTRUCTION SITE.
- THE CONTRACTOR SHALL DEMONSTRATE DUST SUPPRESSION MEASURES, SUCH AS REGULAR WATERING, WHICH SHALL BE IMPLEMENTED TO REDUCE EMISSIONS DURING CONSTRUCTION AND GRADING IN A MANNER MEETING THE APPROVAL OF THE PROJECT MANAGER. THIS SHALL ASSIST IN REDUCING SHORT-TERM IMPACTS FROM PARTICLES WHICH COULD RESULT IN NUISANCES THAT ARE PROHIBITED BY RULE 403 (FUGITIVE DUST).
- GRADING OR ANY OTHER OPERATIONS THAT CREATE DUST SHALL BE STOPPED IMMEDIATELY IF DUST AFFECTS ADJACENT PROPERTIES. THE CONTRACTOR SHALL PROVIDE SUFFICIENT DUST CONTROL FOR THE ENTIRE PROJECT SITE IN ACCORDANCE WITH THE NPDES GUIDELINES AT ALL TIMES. THE SITE SHALL BE SPRINKLERED AS NECESSARY TO PREVENT DUST NUISANCE. IN THE EVENT THAT THE CONTRACTOR NEGLECTS TO USE ADEQUATE MEASURES TO CONTROL DUST, THE CITY RESERVES THE RIGHT TO TAKE WHATEVER MEASURES ARE NECESSARY TO CONTROL DUST AND CHARGE THE COST TO THE CONTRACTOR.
- THE CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL MEASURES AND FOR OBTAINING ALL REQUIRED PERMITS AND APPROVALS.

DEMOLITION NOTES:

- THE CONTRACTOR SHALL COMPLY WITH ALL GENERAL AND STATE REQUIREMENTS INVOLVING THE REMOVAL AND DISPOSAL OF HAZARDOUS MATERIAL(S).
- CONTRACTOR'S BID SHALL INCLUDE ALL VISIBLE SURFACE AND ALL SUBSURFACE FEATURES IDENTIFIED TO BE REMOVED OR ABANDONED IN THESE DOCUMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR A SITE INSPECTION TO FULLY ACKNOWLEDGE THE EXTENT OF THE DEMOLITION WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL PERMITS NECESSARY FOR ENCROACHMENT, GRADING, DEMOLITION, AND DISPOSAL OF MATERIALS AS REQUIRED BY PRIVATE, LOCAL AND STATE JURISDICTIONS. THE CONTRACTOR SHALL PAY ALL FEES ASSOCIATED WITH THE DEMOLITION WORK.
- PRIOR TO BEGINNING DEMOLITION WORK ACTIVITIES, CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES OUTLINED IN THE EROSION CONTROL PLAN & DETAILS, SEE SHEETS C6.1 & C6.2.
- THE CONTRACTOR SHALL MAINTAIN ALL SAFETY DEVICES, AND SHALL BE RESPONSIBLE FOR CONFORMANCE TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
- THE CONTRACTOR SHALL PROTECT FROM DAMAGE ALL EXISTING FACILITIES AND STRUCTURES WHICH ARE TO REMAIN. ANY ITEMS DAMAGED BY THE CONTRACTOR OR HIS AGENTS OR ANY ITEMS REMOVED FOR HIS USE SHALL BE REPLACED IN EQUAL OR BETTER CONDITION AS APPROVED BY THE ARCHITECT OR THE OWNER'S REPRESENTATIVE.
- COORDINATE WITH ELECTRICAL AND LANDSCAPING DRAWINGS FOR UTILITY SHUT-DOWN/DISCONNECT LOCATIONS. CONTRACTOR SHALL SHUT OFF ALL UTILITIES AS NECESSARY PRIOR TO DEMOLITION. CONTRACTOR SHALL COORDINATE SERVICE INTERRUPTIONS WITH THE CITY. DO NOT INTERRUPT SERVICES TO ADJACENT OFF-SITE OWNERS. ALSO SEE LANDSCAPE PLANS FOR ADDITIONAL DEMOLITION SCOPE OF WORK.
- THIS PLAN IS NOT INTENDED TO BE A COMPLETE CATALOGUE OF EXISTING STRUCTURES AND UTILITIES. THIS PLAN INTENDS TO DISCLOSE GENERAL INFORMATION KNOWN BY THE ENGINEER AND TO SHOW THE LIMITS OF THE AREA WHERE WORK WILL BE PERFORMED. THIS PLAN SHOWS THE EXISTING FEATURES TAKEN FROM A FIELD SURVEY, FIELD INVESTIGATIONS AND AVAILABLE INFORMATION. THIS PLAN MAY OR MAY NOT ACCURATELY REFLECT THE TYPE OR EXTENT OF THE ITEMS TO BE ENCOUNTERED AS THEY ACTUALLY EXIST. WHERE EXISTING FEATURES ARE NOT SHOWN ON THE PLAN, IT IS IMPLIED THAT THEY ARE NOT TO BE DEMOLISHED OR REMOVED. THE CONTRACTOR SHALL PERFORM A THOROUGH FIELD INVESTIGATION AND REVIEW OF THE SITE WITHIN THE LIMIT OF WORK AS SHOWN IN THIS PLAN SET TO DETERMINE THE TYPE, QUANTITY AND EXTENT OF ANY AND ALL ITEMS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DETERMINING THE EXTENT OF EXISTING STRUCTURES AND UTILITIES AND QUALITY OF WORK INVOLVED IN REMOVING THESE ITEMS FROM THE SITE.
- CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY FOR ANY EXISTING ITEMS THAT HAVE NOT BEEN DOCUMENTED IN THIS PLAN SET WITHIN THE AREA OF WORK THAT IMPACT THE SCOPE OF THE PROJECT.

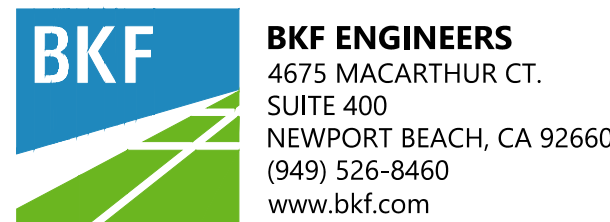
NPDES REQUIREMENTS:

- ALL CONSTRUCTION SHALL ADHERE TO NPDES (NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM) BEST MANAGEMENT PRACTICES TO PREVENT DELETERIOUS MATERIALS OR POLLUTANTS FROM ENTERING THE CITY AND COUNTY STORM DRAIN SYSTEMS.
- ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES, OR WIND.
- STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
- FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL OR SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE STORM DRAIN SYSTEM.
- EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC RIGHT-OF-WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
- TRASH AND CONSTRUCTION-RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION AND DISPERSAL BY WIND.
- SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC RIGHT-OF-WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEEP UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
- ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.
- CLEAN UP ALL SPILLS USING DRY METHODS.
- SWEEP ALL GUTTERS AT THE END OF EACH WORKING DAY. GUTTERS SHALL BE KEPT CLEAN AFTER LEAVING CONSTRUCTION SITE.
- CALL 911 IN CASE OF A HAZARDOUS SPILL.
- UPON SATISFACTORY COMPLETION OF THE WORK, THE ENTIRE WORK SITE SHALL BE CLEANED BY THE CONTRACTOR AND LEFT WITH A SMOOTH AND NEATLY GRADED SURFACE FREE OF CONSTRUCTION WASTE, RUBBISH, AND DEBRIS OF ANY NATURE.

GENERAL UTILITY SYSTEM NOTES :

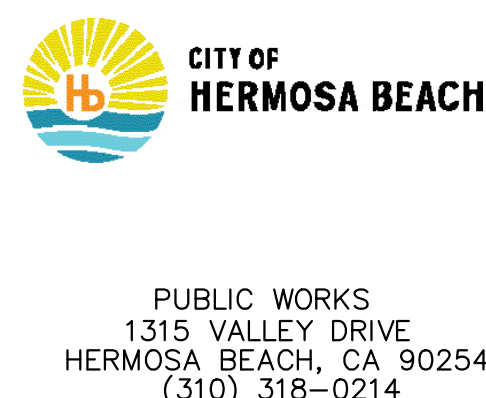
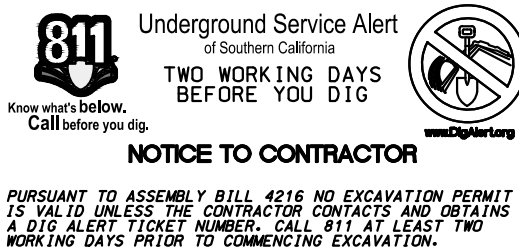
- ALL TRENCHES SHALL BE RESTORED PER THE CITY OF HERMOSA BEACH STD. 117 ROADWAY UTILITY TRENCH DETAIL.
- CLEAN OUTS, CATCH BASINS AND AREA DRAINS SHALL BE ACCURATELY LOCATED BY THEIR RELATIONSHIP TO THE FLATWORK, AND/OR CURB LAYOUT, NOT BY THE LENGTH OF PIPE SPECIFIED IN THE DRAWINGS (WHICH IS APPROXIMATE).
- CONTRACTOR SHALL STAKE LOCATION OF ABOVE GROUND UTILITY EQUIPMENT (BACKFLOW PREVENTOR, SATELLITE DISH, TRANSFORMER, GAS METER, ETC.) AND MEET WITH CITY TO REVIEW LOCATION PRIOR TO INSTALLATION.
- CONTRACTOR SHALL PREPARE AN ACCURATE COMPOSITE UTILITY PLAN THAT TAKES INTO ACCOUNT THE ACTUAL LOCATION OF EXISTING UTILITIES AS DETERMINED DURING THE DEMOLITION WORK. THE UTILITIES SHOWN ON THE CIVIL DRAWINGS, AND THE SITE POWER, CONDUITS AND LIGHTING SHOWN ON THE ELECTRICAL PLANS.
- COMPLETE SYSTEMS: ALL UTILITY SYSTEMS ARE DELINEATED IN A SCHEMATIC MANNER ON THESE PLANS. CONTRACTOR SHALL PROVIDE ALL FITTINGS, ACCESSORIES AND WORK NECESSARY TO COMPLETE THE UTILITY SYSTEM SO THAT IT IS FULLY FUNCTIONING FOR THE PURPOSE INTENDED.
- UNDERGROUND UTILITIES OR STRUCTURES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS AND EXTENT BASED UPON RECORD INFORMATION. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN.
- CONTRACTOR SHALL VERIFY ALL EXISTING INVERT ELEVATIONS FOR STORM DRAIN AND SANITARY SEWER CONSTRUCTION PRIOR TO COMMENCEMENT OF ANY WORK. ALL WORK FOR STORM AND SANITARY SEWER INSTALLATION SHALL BEGIN AT THE DOWNSTREAM CONNECTION POINT. THIS WILL ALLOW FOR ANY NECESSARY ADJUSTMENTS TO BE MADE PRIOR TO THE INSTALLATION OF THE ENTIRE LINE. IF THE CONTRACTOR FAILS TO BEGIN AT THE DOWNSTREAM CONNECTION POINT AND WORKS UP STREAM, HE SHALL PROCEED AT HIS OWN RISK AND BE RESPONSIBLE FOR ANY ADJUSTMENTS NECESSARY. CONTRACTOR SHALL VERIFY LOCATION OF SANITARY SEWER LATERAL WITH CITY PRIOR TO CONSTRUCTION.
- EXISTING UTILITY CROSSINGS OF NEW PIPELINE ARE SHOWN ACCORDING TO THE BEST AVAILABLE INFORMATION. GAS, WATER AND SEWER SERVICE LATERALS ARE SHOWN ACCORDING TO THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY THE TYPE, SIZE, LOCATION AND DEPTH OF ALL UTILITY CROSSINGS (BOTH MAINS AND LATERALS) ARE CORRECT AS SHOWN. NO GUARANTEE IS MADE THAT ALL EXISTING UTILITIES (BOTH MAINS AND LATERALS) ARE SHOWN. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN EXCAVATING AND SHALL PROTECT ALL EXISTING UTILITIES (BOTH MAINS AND LATERALS) FROM DAMAGE DUE TO HIS OPERATION.
- VERTICAL SEPARATION REQUIREMENTS:
 - A MINIMUM OF SIX INCHES VERTICAL CLEARANCE SHALL BE PROVIDED BETWEEN CROSSING UTILITY PIPES, EXCEPT THAT THE MINIMUM VERTICAL CLEARANCE BETWEEN WATER AND SANITARY SEWER PIPELINES SHALL BE 12 INCHES AND ALL NEW WATER PIPES SHALL BE TYPICALLY INSTALLED TO CROSS ABOVE/OVER EXISTING SANITARY SEWER PIPELINES.
 - WHERE NEW WATER PIPELINES ARE REQUIRED TO CROSS UNDER EXISTING AND/OR NEW SANITARY SEWER PIPELINES, THE MINIMUM VERTICAL SEPARATION SHALL BE 12 INCHES. WATER LINE PIPE ENDS SHALL BE INSTALLED NO CLOSER THAN 10 FEET MINIMUM HORIZONTAL DISTANCE FROM CENTERLINE OF UTILITY CROSSINGS, WHERE FEASIBLE.
- HORIZONTAL SEPARATION REQUIREMENTS:
 - A MINIMUM HORIZONTAL SEPARATION BETWEEN NEW PIPELINES AND ANY EXISTING UTILITIES SHALL BE 5 FEET, EXCEPT THAT THE MINIMUM HORIZONTAL SEPARATION FOR WATER AND SANITARY SEWER PIPELINES SHALL BE 10 FEET MINIMUM, UNLESS OTHERWISE NOTED.
 - A MINIMUM HORIZONTAL SEPARATION BETWEEN NEW PIPELINES AND JOINT TRENCH SHALL BE 5 FEET.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING APPROPRIATE UTILITIES AND REQUESTING VERIFICATION OF SERVICE POINTS, FIELD VERIFICATION OF LOCATION, SIZE, DEPTH, ETC. FOR ALL THEIR FACILITIES AND TO COORDINATE WORK SCHEDULES.

PLANS PREPARED BY:



BRUCE W. KIRBY, RCE LICENSE No. 42393 EXP. 03/31/2026

REVISIONS		
No.	DESCRIPTION	DATE



REVIEWED BY:

 LANEY WILSON, ASSOCIATE ENGINEER DATE 12/10/24

RECOMMENDED BY:
 SAAD MALIM, P.E., SENIOR ENGINEER DATE
 APPROVED BY:

 JOHN OSKUI, P.E., ACTING CITY ENGINEER DATE 12/10/24

CIP 619
 KELLY COURTS RENOVATIONS
 GENERAL NOTES (1)

PLAN NO.
 23-004
 RECOMMENDED BY:
 C-1.1
 SHT. 2 OF 24

GENERAL NOTES:

- CONSTRUCTION WORK HOURS ARE LIMITED TO 8:00AM TO 6:00 PM, MONDAY THROUGH FRIDAY. WORK IS PROHIBITED ON SATURDAYS, SUNDAYS, AND HOLIDAYS AS DEFINED IN THE SPECIAL PROVISIONS.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREENBOOK"), CITY OF HERMOSA BEACH PUBLIC WORKS STANDARDS, AND ALL OTHER CONTRACTUAL REQUIREMENTS.
- ALL WORK DONE WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE DONE BY A LICENSED CONTRACTOR WITH A CLASS X LICENSE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS FROM THE CITY AND ANY OTHER JURISDICTIONAL AGENCIES REQUIRED TO ACCOMPLISH ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY. NO WORK SHALL START UNTIL ALL NECESSARY PERMITS ARE OBTAINED.
- ALL WORK IS SUBJECT TO THE REQUIREMENTS OF THE PERMIT(S) OF THE CITY OF HERMOSA BEACH INCLUDING, BUT NOT LIMITED TO, BARRICADES, TRAFFIC CONTROL, BACKFILL COMPACTION, PAVEMENT REPAIRS, ETC.
- ALL CONTRACTORS WORKING ON PUBLIC WORKS PROJECTS MUST HAVE A CURRENT CITY OF HERMOSA BEACH BUSINESS LICENSE.
- THE CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION TO THE PUBLIC WORKS DEPARTMENT ON A CITY-PROVIDED PUBLIC NOTICE FORM FOR APPROVAL THEN, UPON APPROVAL, DISTRIBUTE THE NOTICE TO ALL AFFECTED PROPERTIES AT LEAST 72 HOURS IN ADVANCE OF START OF CONSTRUCTION. NOTICE SHALL INFORM THE PUBLIC OF ALL CONSTRUCTION OPERATIONS INCLUDING ANY STREET CLOSURE OR PARKING RESTRICTION.
- THE CONTRACTOR SHALL NOTIFY BUS COMPANIES OF ANY STREET CLOSURES AT LEAST 72 HOURS PRIOR TO THE COMMENCEMENT OF WORK. THE CONTRACTOR SHALL COORDINATE THE TEMPORARY RELOCATION OF ANY BUS STOP IMPACTED BY CONSTRUCTION; SEE AGENCY CONTACTS FOR CONTACT INFORMATION.
- THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE PLANS PRIOR TO COMMENCING WORK. SHOULD CONFLICTING INFORMATION BE FOUND ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER BEFORE PROCEEDING WITH THE WORK IN QUESTION.
- PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD INCLUDING DIMENSIONS AND SOIL CONDITIONS. IF THE FIELD CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND SHALL NOT BEGIN CONSTRUCTION UNTIL THE CHANGED CONDITIONS HAVE BEEN EVALUATED AND ADDRESSED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY APPLICABLE CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE CITY.
- NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE GIVEN CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.
- THE CONTRACTOR SHALL SUPPLY ALL EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO PERFORM THE WORK SHOWN ON THE PLAN. THE CONTRACTOR SHALL USE ADEQUATE NUMBERS OF SKILLED WORKERS WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND THE METHODS REQUIRED PRIOR TO PERFORMANCE OF THE WORK.
- THE CONTRACTOR SHALL COORDINATE ALL WORK, INCLUDING SUBCONTRACTORS' WORK, SO AS TO ELIMINATE CONFLICTS AND WORK TOWARD THE GENERAL COMPLETION OF THE ENTIRE PROJECT WITHIN THE CONTRACT PERIOD.
- THE CONTRACTOR SHALL REPLACE ALL EXISTING IMPROVEMENTS (PAVEMENT, STRIPING, RAISED MARKERS, ETC.) DAMAGED DURING CONSTRUCTION IN KIND AND TO THE SAME OR BETTER CONDITION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OR EXCESSIVE WEAR AND TEAR TO ROADS, OR ADJACENT PUBLIC OR PRIVATE PROPERTY CAUSED BY CONSTRUCTION-RELATED WORK AND SHALL BE RESPONSIBLE TO IMPLEMENT MEASURES TO PREVENT SUCH DAMAGE.
- ANY ASPHALT OR CONCRETE PAVEMENT WITHIN THE PROPERTY LIMITS THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REMOVED AND REPLACED TO MEET CURRENT CITY STANDARDS.
- ALL EXISTING SURFACE FEATURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES DURING CONSTRUCTION.
- ANY PUBLIC PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN KIND OR BETTER TO THE SATISFACTION OF THE PUBLIC WORKS INSPECTOR OR ENGINEER. THE CITY SHALL, AT ITS DISCRETION AND IN THE INTEREST OF PUBLIC SAFETY, MAKE ANY REPAIRS DEEMED NECESSARY; THE COST OF SUCH REPAIRS SHALL BE DEDUCTED FROM THE CONTRACT COST.
- GRAFFITI IN FRESHLY POURED CONCRETE SHALL BE REMOVED BY WHATEVER MEANS NECESSARY UP TO AND INCLUDING REMOVAL AND REPLACEMENT.
- UNLESS OTHERWISE NOTED, ALL TRAFFIC SIGNS SHALL BE PROTECTED IN PLACE BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AN APPROVED COPY OF CONSTRUCTION PLANS AT THE PROJECT SITE DURING CONSTRUCTION. ALL DRAWINGS ARE CONSIDERED PART OF THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL MAKE AVAILABLE FOR THE INSPECTOR'S REVIEW, ON A DAILY BASIS, AS-BUILT DRAWINGS FOR WORK PERFORMED UP TO AND INCLUDING THE PREVIOUS DAY'S ACTIVITIES. WORK SHALL NOT BE CONSIDERED COMPLETE UNTIL AS-BUILT DRAWINGS ARE SUBMITTED AND ACCEPTED BY THE PUBLIC WORKS DIRECTOR.

UTILITIES:

- THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA) AT (800) 227-2600 AT LEAST 72 HOURS BEFORE PERFORMING ANY DIGGING. SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES THAT A DIGALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. THE CONTRACTOR SHALL PROVIDE THE DIGALERT NUMBER TO THE CITY, AND UPON EXPOSING ANY UNDERGROUND FACILITY, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THAT UTILITY COMPANY.
- EXISTING UTILITIES AND STRUCTURES (UNDERGROUND, SURFACE, OR OVERHEAD) ARE INDICATED ONLY TO THE EXTENT THAT SUCH INFORMATION WAS KNOWN, MADE AVAILABLE TO, OR DISCOVERED BY THE DESIGNER IN PREPARING THE DRAWINGS. THE LOCATIONS, CONFIGURATIONS, AND PLAN VIEW ELEVATIONS OF SUBSURFACE FACILITIES ARE APPROXIMATE AND NOT ALL UTILITIES AND FACILITIES MAY BE INDICATED.
- THE CONTRACTOR SHALL DETERMINE THE LOCATIONS, DEPTH, MATERIAL, CONDITIONS, ROUNDNESS, AND SIZE OF ALL UTILITIES, AND SUBSTRUCTURES INCLUDING SERVICE CONNECTIONS AND LATERALS WITHIN THE ALIGNMENT AND WORK LIMITS OF THE PROPOSED IMPROVEMENTS.
- THE CONTRACTOR SHALL BEAR THE COST OF REPAIRING OR REPLACING ANY OF SAID STRUCTURES DAMAGED BY THEM DURING THE PROSECUTION OF THE WORK. ALL REPAIRS AND REPLACEMENTS SHALL BE DONE IN THE PRESENCE OF THE INSPECTOR. ALL LOCATIONS SHOWN ON THE PLANS FOR UTILITIES HAVE BEEN TAKEN FROM AVAILABLE RECORDS AND THEIR COMPLETENESS AND CORRECTNESS ARE IN NO WAY GUARANTEED.
- BEFORE CONSTRUCTION IS STARTED, CONTRACTOR SHALL COORDINATE WITH THE OWNER OF EACH UTILITY AND DEFINE THE REQUIREMENTS AND METHODS TO ACCOMMODATE THE PROTECTION, TEMPORARY SUPPORT, ADJUSTMENT, OR RELOCATION OF ANY UTILITIES AFFECTED BY THE PROPOSED WORK. THE CONTRACTOR SHALL EXERCISE CARE WHEN WORKING NEAR EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR ALL DAMAGE, BREAKAGE, OR LEAKS CAUSED BY THEIR WORK.
- ALL EXISTING UTILITIES SHALL BE MAINTAINED AND PROTECTED IN PLACE BY THE CONTRACTOR UNLESS OTHERWISE NOTED. EXISTING UTILITIES AND/OR NEW IMPROVEMENTS SHALL BE SUPPORTED AS REQUIRED BY THE ENGINEER IN ACCORDANCE WITH SSPWC STANDARD PLAN 224-3.
- ALL FIRE HYDRANTS, WATER CONTROL VALVES, AND MAINTENANCE HOLES SHALL BE KEPT FREE FROM OBSTRUCTIONS AND AVAILABLE FOR USE.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO ADJUST TO FINISHED GRADE EXISTING SEWER AND STORM DRAIN MAINTENANCE MANHOLES AND COVERS AND ALL OTHER UTILITY BOX AND VALVE COVERS. WHERE APPLICABLE, CONCRETE COLLARS SHALL BE INSTALLED TO MATCH FINISHED GRADE WHETHER INDICATED ON THE PLANS OR NOT.
- SEPARATION OF SEWER AND WATER FACILITIES SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE STATE OF CALIFORNIA DEPT OF HEALTH SERVICES.
- SEWER LATERALS SHALL BE CONNECTED TO THE SEWER MAIN WITH WYES.
- SEWER LINES SHALL BE TESTED PRIOR TO MAKING PERMANENT SERVICE CONNECTIONS.
- IN ADDITION TO ITEMS LISTED IN THESE PLANS, THE CONTRACTOR SHALL FURNISH ALL NECESSARY ADAPTORS, COUPLINGS, BOLTS, GASKETS, CAULKING MATERIALS, AND REPAVING MATERIALS AS REQUIRED TO COMPLETE THE WORK.
- PIPES SHALL BE CONSTRUCTED SO AS TO PROVIDE THE FOLLOWING MINIMUM CLEARANCES TO EXISTING OR OTHER PROPOSED UNDERGROUND CONDUITS OR STRUCTURES (UNLESS OTHERWISE NOTED ON PLANS OR IN SPECS):
 - HORIZONTAL: 24-INCHES OUTSIDE DIAMETER TO OUTSIDE DIAMETER
 - VERTICAL: 12-INCHES OUTSIDE DIAMETER TO OUTSIDE DIAMETER
- CONTRACTOR SHALL ADJUST SEWER MAIN ALIGNMENTS AS REQUIRED TO MAINTAIN MINIMUM CLEARANCE BETWEEN WATER MAIN AND OTHER EXISTING UTILITIES, VAULTS, MANHOLES, STRUCTURES, AND SUBSURFACE FACILITIES AT NO ADDITIONAL COST TO THE CITY. PIPELINE CONSTRUCTION IN THE VICINITY OF WATER MAINS SHALL, AT A MINIMUM, CONFORM TO THE LOS ANGELES COUNTY WATERWORKS DISTRICTS STD. PLAN W-50.
- ALL CROSSING UTILITIES SHALL HAVE A MINIMUM 12-INCH CLEARANCE UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL POTHOLE AND VERIFY DEPTH, LOCATION, AND DIMENSIONS OF EXISTING FACILITIES AND CONNECTION POINTS PRIOR TO CONSTRUCTION OF MAINS.
- LOCATIONS OF EXISTING SEWER, GAS, AND WATER SERVICE LATERALS ARE NOT SHOWN ON THE PLANS. CONTRACTOR SHALL PROTECT IN PLACE ALL EXISTING SERVICES UNLESS OTHERWISE NOTED.
- BACKFILL OF TRENCHES SHALL BE DONE IN LIFTS OF NO MORE THAN 8-INCHES WITH WATER AND APPROPRIATE COMPACTION TOOLS USED BETWEEN EACH LIFT. ONE SACK SLURRY MIX CAN BE USED IN PLACE OF NATIVE SOIL. AFTER BACKFILLING THE TRENCH, A TEMPORARY ASPHALT PATCH SHALL BE PLACED OVER THE TRENCH AND REMAIN FOR NO MORE THAN TWO WEEKS. THE FINAL PATCH SHALL BE A MINIMUM OF 5" THICK OR 1" THICKER THAN THE EXISTING PAVEMENT. THE CONTRACTOR SHALL FOLLOW THE LATEST HERMOSA BEACH PUBLIC WORKS STANDARD DETAILS 115 - 117.
- THE FINAL PATCH ON ASPHALT STREETS SHALL BE PER THE LATEST HERMOSA BEACH PUBLIC WORKS STANDARD PLANS 115 AND 116.
- THE FINAL PATCH ON CONCRETE STREETS SHALL BE PER THE LATEST HERMOSA BEACH PUBLIC WORKS STANDARD PLAN 115.

TRAFFIC CONTROL:

- THE CONTRACTOR MAY PROHIBIT PARKING WITHIN THE CONSTRUCTION LIMITS AND AS NECESSARY TO COMPLETE THE WORK, SUBJECT TO THE APPROVAL OF THE ENGINEER. ACCESS TO ALL RESIDENCES AND BUSINESSES SHALL BE MAINTAINED AT ALL TIMES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO POST "NO PARKING" SIGNS WITH SPECIFIC TIME FRAMES ON CITY-APPROVED SIGNS AT LEAST 72 HOURS PRIOR TO THE COMMENCEMENT OF WORK.
- TRAFFIC CONTROL DEVICES AND METHODS SHALL CONFORM TO THE REQUIREMENTS OF THE STATE OF CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (CAMUTCD), LATEST REVISION, AND WORK AREA TRAFFIC CONTROL HANDBOOK (WATCH MANUAL), LATEST EDITION.
- ALL STREET CLOSURES REQUIRE A TRAFFIC CONTROL PLAN TO BE REVIEWED AND APPROVED BY THE CITY ENGINEER PRIOR TO CONSTRUCTION.

SITE CONTROL / SAFETY:

- THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL SOUND CONTROL AND NOISE LEVEL RULES, REGULATIONS, AND ORDINANCES WHICH APPLY TO ANY WORK PERFORMED PURSUANT TO THE CONTRACT.
- ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE REGULATIONS OF CAL-OSHA.
- ANY WALLS, FENCES, STRUCTURES, AND/OR APPURTENANCES ADJACENT TO THIS PROJECT EITHER IN THE PUBLIC RIGHT-OF-WAY OR ON PRIVATE PROPERTY SHALL BE PROTECTED IN PLACE, UNLESS OTHERWISE NOTED. IF THE CONTRACTOR'S ACTIVITIES DAMAGE OR ADVERSELY AFFECT SAID ITEMS IN ANY WAY, THE CONTRACTOR IS RESPONSIBLE FOR WORKING OUT AN ACCEPTABLE SOLUTION TO THE SATISFACTION OF THE AFFECTED PROPERTY OWNERS AT THE CONTRACTOR'S COST.
- THE CONTRACTOR SHALL BE RESPONSIBLE DURING ALL PHASES OF THE WORK FOR PROVIDING PUBLIC SAFETY AND CONVENIENCE.
- THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, DURING THE COURSE OF CONSTRUCTION, AND UNTIL THE DATE OF THE NOTICE OF COMPLETION. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO WORKING HOURS DESCRIBED IN THE PROJECT SPECIFICATIONS.
- IN THE CASE OF SUSPENSION OF THE WORK FOR ANY CAUSE WHATSOEVER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS AND SHALL PROPERLY STORE THEM IF NECESSARY AND SHALL ERECT TEMPORARY STRUCTURE(S) WHERE NECESSARY. THE CITY WILL NOT BE HELD RESPONSIBLE FOR THE CARE OR PROTECTION OF ANY MATERIAL OR PARTS OF THE WORK PRIOR TO FINAL ACCEPTANCE, UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR IS RESPONSIBLE TO OBTAIN THEIR OWN STAGING AREA FOR ALL TOOLS, EQUIPMENT, MATERIAL, AND PARKING. AT THE END OF EACH DAY, THE CONTRACTOR SHALL REMOVE ALL MATERIALS, DEBRIS, FOREIGN MATERIAL, AND EQUIPMENT FROM THE JOB SITE UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- THE PUBLIC RIGHT-OF-WAY SHALL NOT BE USED FOR A STAGING AREA AS DESCRIBED ABOVE UNLESS OTHERWISE AUTHORIZED BY THE CITY.
- WATER SHALL BE PROVIDED ON SITE AND USED TO CONTROL DUST DURING CONSTRUCTION OPERATIONS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A HYDRANT METER FROM CAL WATER (CALL (310) 420-7730) AND PAY FOR CONSTRUCTION WATER.
- AS REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL FURNISH AND OPERATE A SELF-LOADING MOTOR SWEEPER WITH SPRAY NOZZLES AT LEAST TWICE EACH WORKING DAY TO KEEP PAVED AREAS ACCEPTABLY CLEAN WHEREVER CONSTRUCTION, INCLUDING RESTORATION, IS INCOMPLETE.
- PROPER BARRICADES SHALL BE PLACED AROUND ANY CONSTRUCTION SITE WITHIN THE PUBLIC RIGHT-OF-WAY. THESE BARRICADES SHALL COMPLY WITH THE REQUIREMENTS OF THE WATCH MANUAL.
- ALL VEHICLES THAT INTRUDE INTO A NORMAL TRAFFIC LANE MUST HAVE PROPER SIGNAGE AND BARRICADES AS REQUIRED BY THE WATCH MANUAL.
- ALL WORK VEHICLES ARE SUBJECT TO ALL APPLICABLE PARKING RESTRICTIONS.
- FLAGMEN ARE REQUIRED FOR ANY VEHICLES THAT BLOCK THE TRAVEL LANE AND REQUIRE TRAFFIC TO USE THE OPPOSING LANE TO PASS.

SURVEY / LAYOUT:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL SURVEY MONUMENTS INCLUDING PROPERTY CORNER MARKERS, UNLESS OTHERWISE NOTED ON THE PLANS. PRIOR TO COMMENCEMENT OF WORK ALL SURVEY MONUMENTS IN THE PROJECT AREA SHALL BE LOCATED AND TIED OUT. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REPLACING ANY SURVEY MONUMENTS THAT ARE DISTRIBUTED DURING CONSTRUCTION. PROPERTY CORNER MARKERS AND SURVEY MONUMENTS DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE RE-ESTABLISHED BY A PROFESSIONAL SURVEYOR LICENSED IN THE STATE OF CALIFORNIA.
- CONSTRUCTION STAKING FOR IMPROVEMENTS SHOWN ON THESE PLANS SHALL BE PERFORMED BY A PROFESSIONAL SURVEYOR LICENSED IN THE STATE OF CALIFORNIA.
- ALL SURVEY POINTS AND MONUMENTS SHALL BE PROTECTED IN PLACE OR RESET AND RECORDED IF THEY ARE REMOVED OR DESTROYED DURING CONSTRUCTION.

LANDSCAPE:







- TREES AND FOLIAGE (TO DRIP LINE), SIGNS, PARKING METERS, AND OTHER IMPROVEMENTS SHALL BE PROTECTED IN PLACE, UNLESS OTHERWISE NOTED, AND ANY DAMAGE TO EXISTING IMPROVEMENTS SHALL BE REPAIRED OR THE IMPROVEMENTS REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE.
- TREES WITHIN THE PUBLIC RIGHT-OF-WAY MAY NOT BE REMOVED WITHOUT AUTHORIZATION FROM THE ENGINEER AND ARE TO BE PROTECTED FROM INJURY OR DAMAGE DURING CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS DEPARTMENT PRIOR TO ANY TRIMMING, REMOVING, OR RELOCATING OF AN EXISTING STREET TREE.
- FOR ANY TREE REMOVED DURING THE COURSE OF CONSTRUCTION, THE TREE SHALL BE REPLACED BY TWO IN KIND IN LOCATIONS DETERMINED BY THE ENGINEER.
- IF STREET TREES ARE REQUIRED IN THE PARKWAY, NEWLY INSTALLED TREES SHALL BE INSTALLED PER THE GREENBOOK TO THE SATISFACTION OF THE INSPECTOR OR ENGINEER. CONTACT THE PUBLIC WORKS DEPARTMENT FOR TYPE(S), SIZE(S), AND LOCATION(S) OF TREES.
- PLANTED AND IRRIGATED PARKWAY(S), IF REQUIRED, SHALL HAVE MATERIALS AND PLANTS APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.

EROSION CONTROL:

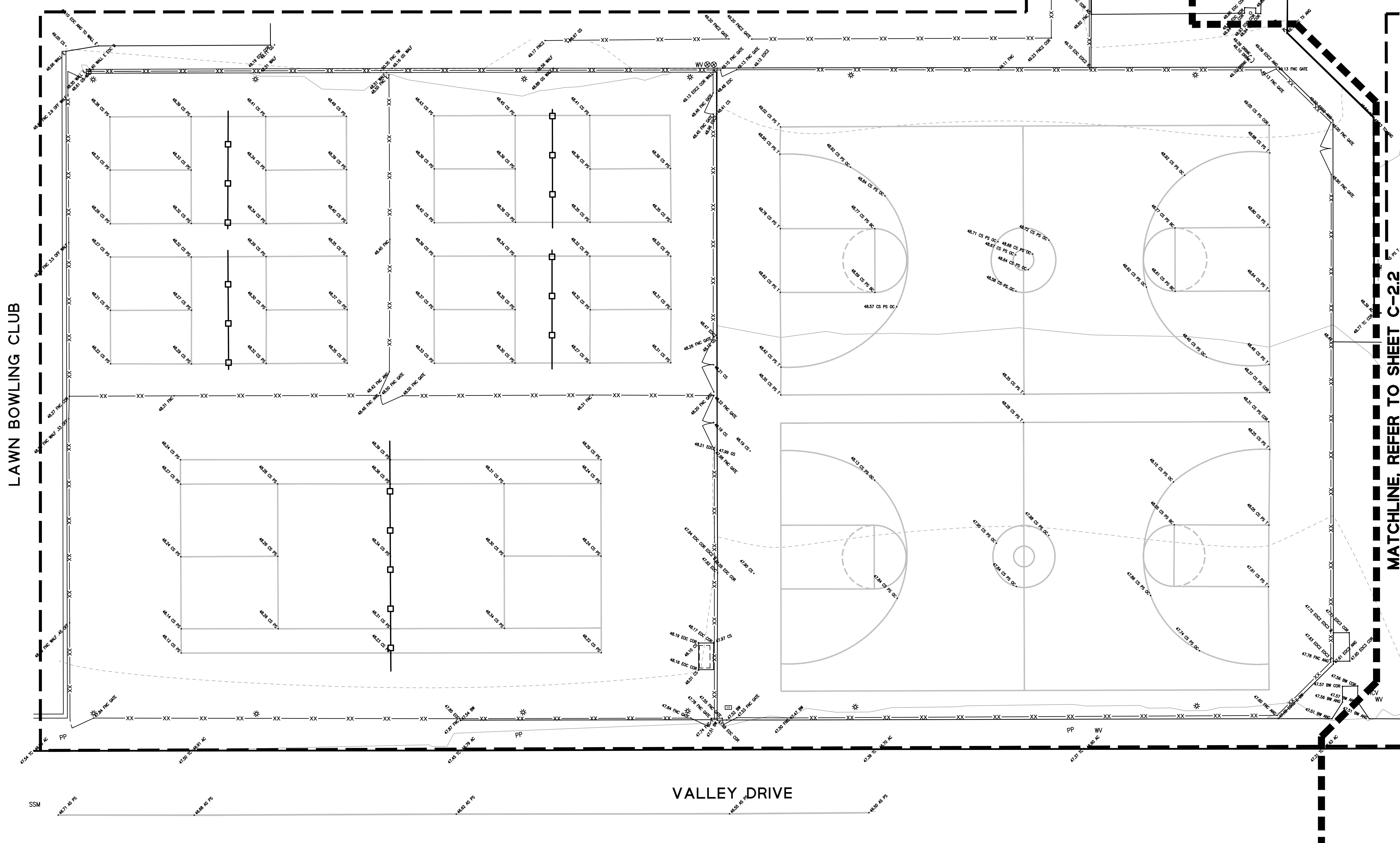
- THE CONTRACTOR SHALL MAINTAIN AND CLEAN, IF NECESSARY, ALL EXISTING ON-SITE AND ADJACENT STORM DRAIN INLETS DURING THE COURSE OF CONSTRUCTION AND UNTIL THE WORK IS FORMALLY ACCEPTED BY THE CITY.
- ALL DEBRIS AND FOREIGN MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED DISPOSAL SITE. THE CONTRACTOR SHALL OBTAIN NECESSARY PERMITS FOR THE TRANSPORTATION OF MATERIAL TO AND FROM THE SITE. THE REMOVAL AND DISPOSAL OF DEMOLITION ITEMS (TREES, PAVEMENT, SOIL, ETC.) SHALL BE AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR IS ADVISED THAT ALL MATERIAL AND DEBRIS CREATED BY REMOVAL OPERATIONS SHALL BECOME THE CONTRACTOR'S PROPERTY AND SHALL BE REMOVED FROM THE JOB SITE IN A MANNER AND AT A LOCATION ACCEPTABLE TO ALL AGENCIES AFFECTED BY THE WORK UNLESS INSTRUCTED BY THE ENGINEER OTHERWISE. THE CITY SHALL HAVE RIGHT OF FIRST REFUSAL FOR SALVAGEABLE PARTS, AND IF INSTRUCTED BY THE ENGINEER THE CONTRACTOR SHALL DELIVER SUCH PARTS TO THE CITY YARD.
- THE CONTRACTOR SHALL PROTECT IN PLACE ALL EXISTING CURB DRAINS AND PARKWAY CULVERTS WHETHER SPECIFIED ON THE PLANS OR NOT. THE CONTRACTOR SHALL ENSURE DRAINS AND CULVERTS REMAIN FUNCTIONAL AT ALL TIMES.
- THE CONTRACTOR SHALL PROVIDE INLET PROTECTION FOR ALL INLETS DOWNSTREAM OF THE WORK AREA IN ACCORDANCE WITH CASQA BMP SE-10.
- PRIOR TO STORM EVENTS SOIL BINDER, STRAW WATTLE, OR OTHER EROSION CONTROL DEVICES MAY BE APPLIED AND SECURED TO DISTURBED OPEN AREAS DURING GRADING OPERATIONS IF DETERMINED NECESSARY BY THE CONTRACTOR OR ENGINEER.
- REASONABLE CARE SHALL BE TAKEN WHEN HAULING ANY EARTH, SAND, GRAVEL, STONE, DEBRIS, OR ANY HAZARDOUS SUBSTANCE OVER ANY PUBLIC STREET, ALLEY, OR OTHER PUBLIC PLACE. SHOULD ANY MATERIAL BLOW, SPILL, OR TRACK OVER AND UPON SAID PUBLIC PLACE OR ADJACENT PRIVATE PROPERTY, IMMEDIATE CLEAN UP SHALL OCCUR.
- THE CONTRACTOR SHALL CONSTRUCT TEMPORARY EROSION CONTROL MEASURES AS DIRECTED BY THE ENGINEER TO CONTROL DRAINAGE WHICH HAS BEEN AFFECTED BY GRADING AND/OR TRENCHING OPERATIONS.

CONSTRUCTION / MATERIALS:

- UNLESS OTHERWISE SPECIFICALLY MENTIONED ON THE PLANS, THE CONTRACTOR SHALL CONSTRUCT ALL SIDEWALKS, CURB RAMPS, AND STREET CROSSINGS IN COMPLIANCE WITH ADA STANDARDS AND REQUIREMENTS.
- ALL FORMS AND COMPACTION SHALL BE INSPECTED PRIOR TO ANY CONCRETE POUR OR ASPHALT BEING PLACED.
- ALL EXISTING PAVEMENT TO BE REMOVED SHALL BE SAW-CUT OR WHEEL-CUT AND REMOVED TO CLEAN STRAIGHT LINES WITH NO OVERCUT.
- ALL CONCRETE CURB AND GUTTER FLOW LINES WITH LESS THAN 1% GRADE SHALL BE WATER TESTED PRIOR TO FINAL FINISHING TO ENSURE PROPER DRAINAGE WITHOUT UNACCEPTABLE HIGH OR LOW SPOTS.
- AT ALL LOCATIONS WHERE NEW PAVEMENT JOINS EXISTING, THE EXISTING PAVEMENT SHALL BE COATED WITH AN ASPHALTIC EMULSION.
- WHERE EXISTING PAVEMENT OR SUBGRADE IS FOUND TO BE UNSTABLE, THE CONTRACTOR SHALL REMOVE AND REPLACE A MINIMUM OF 1 FOOT OF SUBGRADE WITH CRUSHED MISCELLANEOUS BASE (CMB) AND COMPACT TO 95% OF MAXIMUM DRY DENSITY OBTAINABLE AS MEASURED BY ASTM D-1557. IF SHALLOW UTILITIES PREVENT REMOVAL OF SUBGRADE SOIL, A WOVEN GEOFABRIC SHALL BE USED TO PROVIDE STRENGTH TO THE SUBGRADE.
- EXPANSION JOINTS PERPENDICULAR TO THE CURB SHALL BE INSTALLED IN COMBINED CURB AND GUTTER AT THE BCR, ECR, BC, EC, AND AT LOCATIONS WHERE THE CURB JOINS EXISTING STRUCTURES. LONGITUDINAL EXPANSION JOINTS SHALL BE INSTALLED WHERE THE CURB BUTTS AGAINST ANY EXISTING STRUCTURE.
- THE EXACT LOCATIONS AND LIMITS FOR THE REMOVAL AND CONSTRUCTION OF SIDEWALKS AND CURB AND GUTTER SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- PRIOR TO FINAL ACCEPTANCE OF STREET IMPROVEMENTS, ALL PAVEMENT, STRIPING, AND STENCILING WITHIN THE PROJECT AREA SHALL BE RESTORED TO LIKE NEW CONDITION TO THE SATISFACTION OF THE ENGINEER. PAVEMENT MARKING MATERIAL FOR TRAFFIC STRIPING ON PUBLIC ROADS SHALL CONFORM TO SECTIONS 210 AND 214 OF THE LATEST VERSION OF THE GREENBOOK.
- ALL TRAFFIC MARKING AND STRIPING, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE LATEST EDITION OF THE CAMUTCD, THE GREENBOOK, AND CALTRANS STANDARD PLANS.
- AT LEAST 72 HOURS SHALL ELAPSE FROM THE TIME CONCRETE IS PLACED BEFORE VEHICULAR TRAFFIC IS PERMITTED TO TRAVEL ON IT, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- ALL UTILITY BOXES SHALL BE ADJUSTED TO THE NEW FINISHED GRADE. DAMAGED BOXES SHALL BE REPLACED. KEEP ALL UTILITY BOXES OUT OF DRAINAGE FLOW LINES, CURB RETURNS, DRIVEWAY APPROACHES, AND CURB RAMPS UNLESS APPROVED BY THE CITY ENGINEER.
- ALL FILL SOILS OR SOILS DISTURBED OR OVER-EXCAVATED DURING CONSTRUCTION SHALL BE COMPACTED TO 95% MAXIMUM DENSITY AS DETERMINED BY ASTM SOIL COMPACTION TEST D-1557.
- ALL PORTLAND CEMENT CONCRETE (PCC) AND ASPHALTIC CONCRETE (AC) SHALL BE REMOVED TO A SAWCUT, COLD JOINT, OR SCORE MARK. NO FLOATER SLABS LESS THAN THE MINIMUM INDICATED IN THE LATEST HERMOSA BEACH PUBLIC WORKS STANDARD PLANS 115 - 117. PCC AND AC REMOVALS SHALL BE SAWCUT A MINIMUM OF 2 INCHES IN THE NECESSARY WORK AREA. SAWCUT SLURRY SHALL BE REMOVED WITH THE VACUUM MACHINE AND DISPOSED OF PROPERLY. NO SLURRY SHALL BE ALLOWED TO ENTER THE STORM DRAIN SYSTEM.
- SHOULD ANY LINEAR OR AREA TRENCH JOINT BE LOCATED WITHIN 2 FEET (AC PAVEMENT) OR 3 FEET (PCC PAVEMENT) OF AN EXISTING PAVEMENT PATCH AND/OR CURB AND GUTTER ALIGNMENT, THE ADJACENT PAVEMENT SECTION/PATCH SHALL BE REMOVED AND REPAVED ALONG WITH THE TRENCH PAVEMENT RESTORATION.
- ALL DAMAGED AND/OR REMOVED DRIVEWAY APPROACH, PCC SIDEWALK, OR CURB AND GUTTER SHALL BE RECONSTRUCTED TO GREENBOOK STANDARDS.
- RAMP ASPHALT AT EXISTING DRIVEWAYS, GUTTERS, ETC. FOLLOWING MILLING OPERATIONS TO PROVIDE ACCESS IF PAVING IS NOT SCHEDULED FOR THE SAME DAY.
- ALL EXCAVATIONS SHALL BE APPROPRIATELY SHORED AND PLATED OR BACKFILLED AT THE END OF EACH WORKING DAY AND ROADS OPENED TO VEHICULAR TRAFFIC UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER. PLATES SHALL BE TACK WELDED, PINNED, AND/OR SECURED IN PLACE BY ANOTHER METHOD APPROVED BY THE INSPECTOR OR ENGINEER.
- TRAFFIC PLATES ON EXCAVATED AREAS SHALL BE SKID RESISTANT, WITH MINIMUM COEFFICIENT OF FRICTION EQUIVALENT TO 0.35 PER CALIFORNIA TEST METHOD 342. STEEL PLATES BRIDGING SHALL BE STEEL OF MINIMUM A36 GRADE FOR HS20 TRUCK LOADING PER CALTRANS BRIDGE DESIGN SPECIFICATION MANUAL.
- TRAFFIC STRIPING, MARKINGS, AND RAISED PAVEMENT MARKERS DAMAGED DURING CONSTRUCTION SHALL BE REINSTALLED IN KIND OR AS DIRECTED BY THE ENGINEER AND NOTED IN THE SPECIAL PROVISIONS. ALL NEW STRIPING AND MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED AND APPROVED.

PLANS PREPARED BY:   BKF ENGINEERS 4675 MACARTHUR CT. SUITE 400 NEWPORT BEACH, CA 92660 (949) 526-8460 www.bkf.com	REVISIONS <table border="1"> <thead> <tr> <th>No.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>		No.	DESCRIPTION	DATE																 Underground Service Alert of Southern California THE WORKING DAYS BEFORE YOU DIG 811 NOTICE TO CONTRACTOR PURSUANT TO ASSEMBLY BILL #216 NO EXCAVATION PERMIT IS VALID UNLESS THE CONTRACTOR CONTACTS AND OBTAINS A DIG ALERT. TOLL FREE NUMBER, CALL 811 AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING EXCAVATION.	 CITY OF HERMOSA BEACH PUBLIC WORKS 1315 VALLEY DRIVE HERMOSA BEACH, CA 90254 (310) 318-0214	REVIEWED BY:  LANEY WILSON, ASSOCIATE ENGINEER DATE 12/10/24	RECOMMENDED BY: SAAD MALIM, P.E., SENIOR ENGINEER DATE	PLAN NO. CIP 619 KELLY COURTS RENOVATIONS 23-004
	No.	DESCRIPTION	DATE																						
BRUCE W. KIRBY, RCE LICENSE No. 42393 EXP. 03/31/2026	APPROVED BY:  JOHN OSKOU, P.E., ACTING CITY ENGINEER DATE 12/10/24	RECOMMENDED BY: GENERAL NOTES (2) C-1.2	SHT. 3 OF 24																						

CLARK FIELD



SURVEY NOTES:

1. SURVEY PREPARED BY METZ SURVEYING, DATED 2-20-22.

BASIS OF BEARING

THE BASIS OF BEARING FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM, ZONE 5, NAD 83 EPOCH 2017.50 AS DERIVED FROM GEODETIC VALUES PUBLISHED BY CALIFORNIA SPATIAL REFERENCE CENTER.

BENCHMARK

L&TAG RCE#30826 TOP/ICB OF PLANTER @ LT STD 17FT S/O NLY CB PIER AVE & 38FT WLY/O CL VALLEY DR

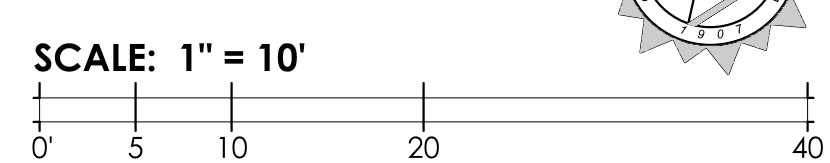
ELEV = 53.994 NAVD 88

LEGEND:

- XX—XX— EXISTING CHAIN LINK FENCE
- — — — — EXISTING WALL
- - - - - EXISTING FLOW LINE
- - - - - (49.0) EXISTING MAJOR CONTOUR
- - - - - (48.5) EXISTING MINOR CONTOUR
- EXISTING NET
- ☼ EXISTING LIGHT POLE
- ⊕ EXISTING FIRE HYDRANT
- EXISTING POST FOR BASKETBALL HOOP AND NETS
- ⊞ EXISTING WATER METER
- ⊞ EXISTING ELECTRICAL BOX
- ⊞ ICV EXISTING IRRIGATION CONTROL VALVE
- ⊞ WV EXISTING WATER VALVE
- ⊞ PP EXISTING POWER POLE
- EXISTING VEHICLE BOLLARD
- SSM EXISTING SEWER MANHOLE

ABBREVIATIONS:

- | | | | |
|-------|--------------------|------|--------------------------|
| AC | ASPHALT | GS | GROUND SHOT |
| ANG | ANGLE | HC | HANDICAP |
| AS | ASPHALT SPOT SHOT | HW | HEADWALL |
| BC | BEGIN CURVE | ICB | IRRIGATION CONTROL BOX |
| BLD | BUILDING | ICV | IRRIGATION CONTROL VALVE |
| BDF | BUILDING FACE | IP | IRON PIPE |
| BW | BACK OF WALL | LG | LIP OF GUTTER |
| BX | BOTTOM TRANSITION | LT | LEAD & TACK |
| CB | CATCH BASIN | LTT | LEAD, TACK & TAG |
| COR | CORNER | OC | ON CURVE |
| CP | FOUND CONTROL | PO | POST |
| CS | CONCRETE SPOT | PP | POWER POLE |
| DB | DOUBLE | PS | PARKING STRIPE |
| DEC | DECORATIVE | SDM | STORM DRAIN MANHOLE |
| DIA | DIAMETER | SQ | SQUARE |
| DRINK | DRINKING FOUNTAIN | SSM | SEWER MANHOLE |
| EB | ELECTRICAL BOX | SW | SIDEWALK |
| EC | END CURVE | TC | TOP OF CURB |
| EEM | ELECTRICAL MANHOLE | TEM | TELCO MANHOLE |
| EM | ELECTRICAL METER | TOE | BOTTOM OF GRADE BREAK |
| EOC | EDGE OF CONCRETE | TOP | TOP GRADE BREAK |
| FF | FINISH FLOOR | TW | TOP OF WALL |
| FL | FLOW LINE | TX | TOP OF TRANSITION |
| FNC | FENCE | UNK | UNKNOWN |
| FW | FACE OF WALL | VLT | VAULT |
| GB | GRADE BREAK | WAL | WALL |
| GM | GAS METER | WALF | WALL FACE |
| | | WV | WATER VALVE |



PLANS PREPARED BY:

BRUCE W. KIRBY, RCE LICENSE No. 42393 EXP. 03/31/2026

REVISIONS		
No.	DESCRIPTION	DATE

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CITY OF HERMOSA BEACH

PUBLIC WORKS
1315 VALLEY DRIVE
HERMOSA BEACH, CA 90254
(310) 318-0214

REVIEWED BY:

Laney Wilson 12/10/24

LANEY WILSON, ASSOCIATE ENGINEER DATE

RECOMMENDED BY:

SAAD MALIM, P.E., SENIOR ENGINEER DATE

APPROVED BY:

J. Oskoui 12/10/24

JOHN OSKOU, P.E., ACTING CITY ENGINEER DATE

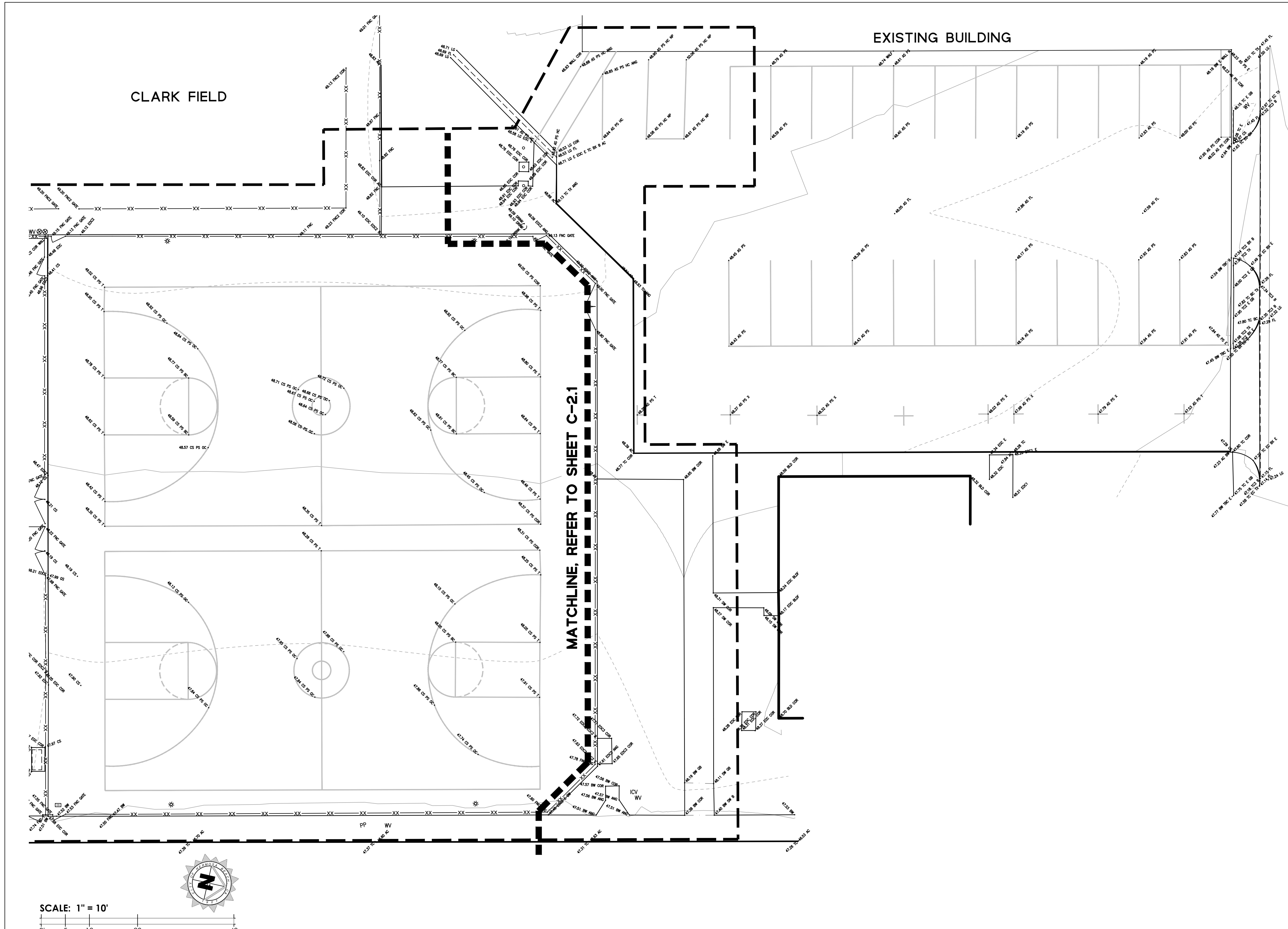
CIP 619
KELLY COURTS RENOVATIONS

EXISTING CONDITIONS (1)

PLAN NO. 23-004

RECOMMENDED BY: C-2.1

SHT. 4 OF 24



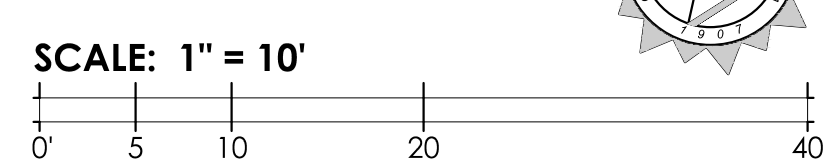
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- ABBREVIATIONS:**
- | | | | |
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BRUCE W. KIRBY, RCE LICENSE No. 42393 EXP. 03/31/2026

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 1315 VALLEY DRIVE
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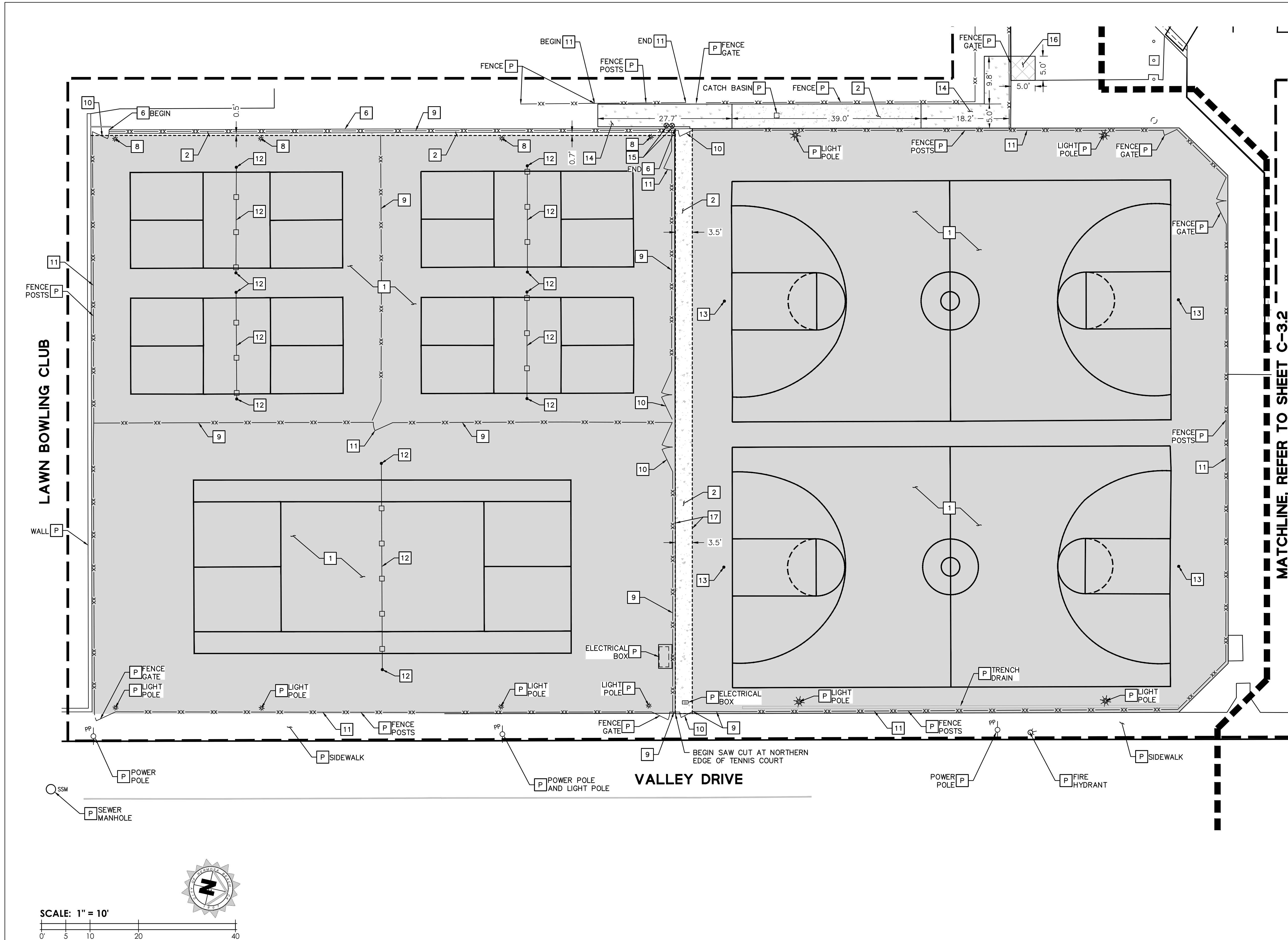
 LANEY WILSON, ASSOCIATE ENGINEER DATE 12/10/24

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 SAAD MALIM, P.E., SENIOR ENGINEER DATE
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CIP 619
 KELLY COURTS RENOVATIONS
 PLAN NO. 23-004

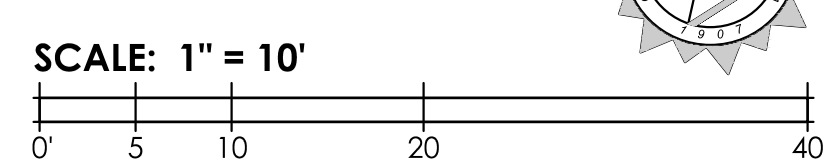
EXISTING CONDITIONS (2)
 C-2.2
 SHT. 5 OF 24



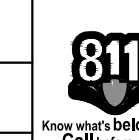

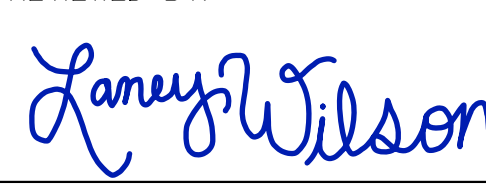
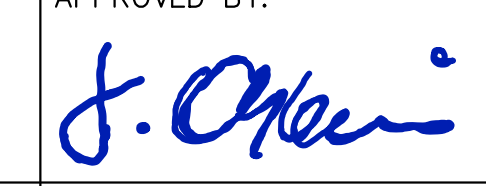


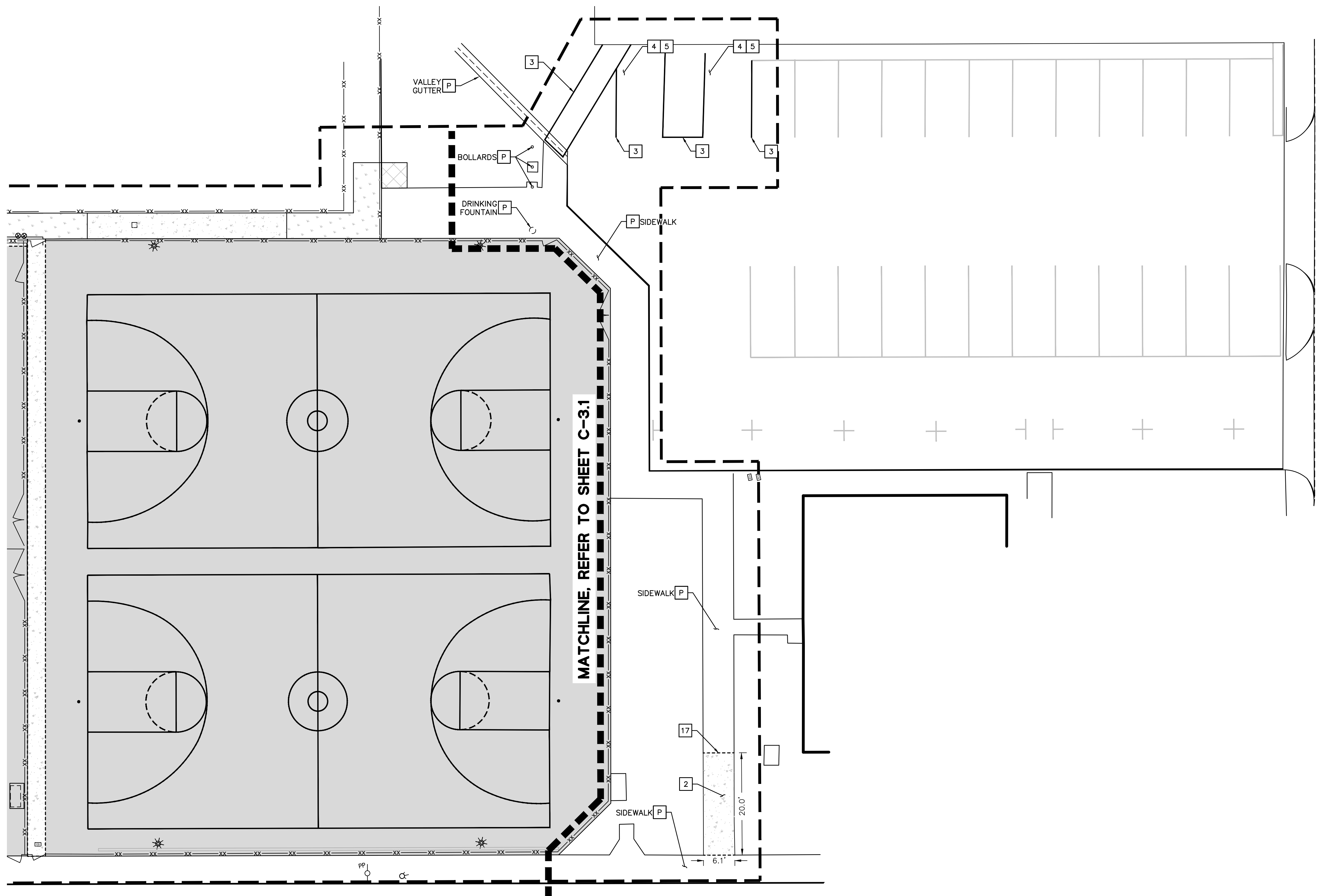
- LEGEND:**
- LIMIT OF WORK
 - SAWCUT
 - EXISTING COURT SURFACE
 - EXISTING CONCRETE
 - EXISTING ASPHALT
 - EXISTING LANDSCAPE

- DEMOLITION CONSTRUCTION NOTES:**
- P** PROTECT IN PLACE
 - 1** REMOVE EXISTING COURT SURFACE PER LANDSCAPE PLANS
 - 2** REMOVE EXISTING CONCRETE
 - 6** DEMOLISH AND REMOVE EXISTING WALL IN ITS ENTIRETY
 - 8** REMOVE AND RELOCATE EXISTING COURT LIGHT POLES PER ELECTRICAL PLANS
 - 9** REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE AND POSTS IN ITS ENTIRETY INCLUDING CONCRETE FOOTING PER DETAIL 9, SHEET C-7.2
 - 10** REMOVE AND DISPOSE OF EXISTING FENCE GATE IN ITS ENTIRETY INCLUDING CONCRETE FOOTING PER DETAIL 9, SHEET C-7.2
 - 11** REMOVE AND DISPOSE OF EXISTING MESH FROM CHAIN LINK FENCE
 - 12** REMOVE AND DISPOSE OF EXISTING TENNIS AND PICKLEBALL NETS AND POSTS IN ITS ENTIRETY INCLUDING CONCRETE FOOTING PER DETAIL 9, SHEET C-7.2
 - 13** REMOVE AND DISPOSE OF EXISTING BASKETBALL HOOPS AND POSTS IN ITS ENTIRETY INCLUDING CONCRETE FOOTING PER DETAIL 9, SHEET C-7.2
 - 14** CLEAR AND GRUB EXISTING LANDSCAPING
 - 15** RELOCATE EXISTING TWO WATER VALVES, SEE SHEET C-4.1
 - 16** REMOVE EXISTING ASPHALT
 - 17** SAWCUT

- DEMOLITION NOTES:**
1. SEE SHEET C-1.1 FOR DEMOLITION NOTES
 2. VALVES WITHIN DEMOLITION LIMITS TO BE ADJUSTED TO FINISHED GRADE PER SHEET C-5.1 AND C-5.2.



PLANS PREPARED BY:  BRUCE W. KIRBY, RCE LICENSE No. 42393	 BKF ENGINEERS 4675 MACARTHUR CT. SUITE 400 NEWPORT BEACH, CA 92660 (949) 526-8460 www.bkf.com	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">REVISIONS</th> </tr> <tr> <th>No.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	REVISIONS			No.	DESCRIPTION	DATE																 Underground Service Alert of Southern California TWO WORKING DAYS BEFORE YOU DIG How can I get it? Call before you dig.	 CITY OF HERMOSA BEACH PUBLIC WORKS 1315 VALLEY DRIVE HERMOSA BEACH, CA 90254 (310) 318-0214	REVIEWED BY:  LANEY WILSON, ASSOCIATE ENGINEER DATE: 12/10/24	RECOMMENDED BY: SAAD MALIM, P.E., SENIOR ENGINEER DATE:  JOHN OSKOU, P.E., ACTING CITY ENGINEER DATE: 12/10/24	PLAN NO. CIP 619 KELLY COURTS RENOVATIONS 23-004 RECOMMENDED BY: DEMOLITION PLAN (1) C-3.1 SHT. 6 OF 24
REVISIONS																												
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- LEGEND:**
- LIMIT OF WORK
 - SAWCUT
 - EXISTING COURT SURFACE
 - EXISTING CONCRETE
 - EXISTING ASPHALT
 - EXISTING LANDSCAPE

- DEMOLITION CONSTRUCTION NOTES:**
- PROTECT IN PLACE
 - REMOVE EXISTING CONCRETE
 - SANDBLAST EXISTING PARKING STALL STRIPING
 - REMOVE EXISTING WHEEL STOP
 - REMOVE AND DISPOSE OF EXISTING ADA PARKING SIGNAGE AND POLE
 - SAWCUT

SCALE: 1" = 10'

PLANS PREPARED BY:

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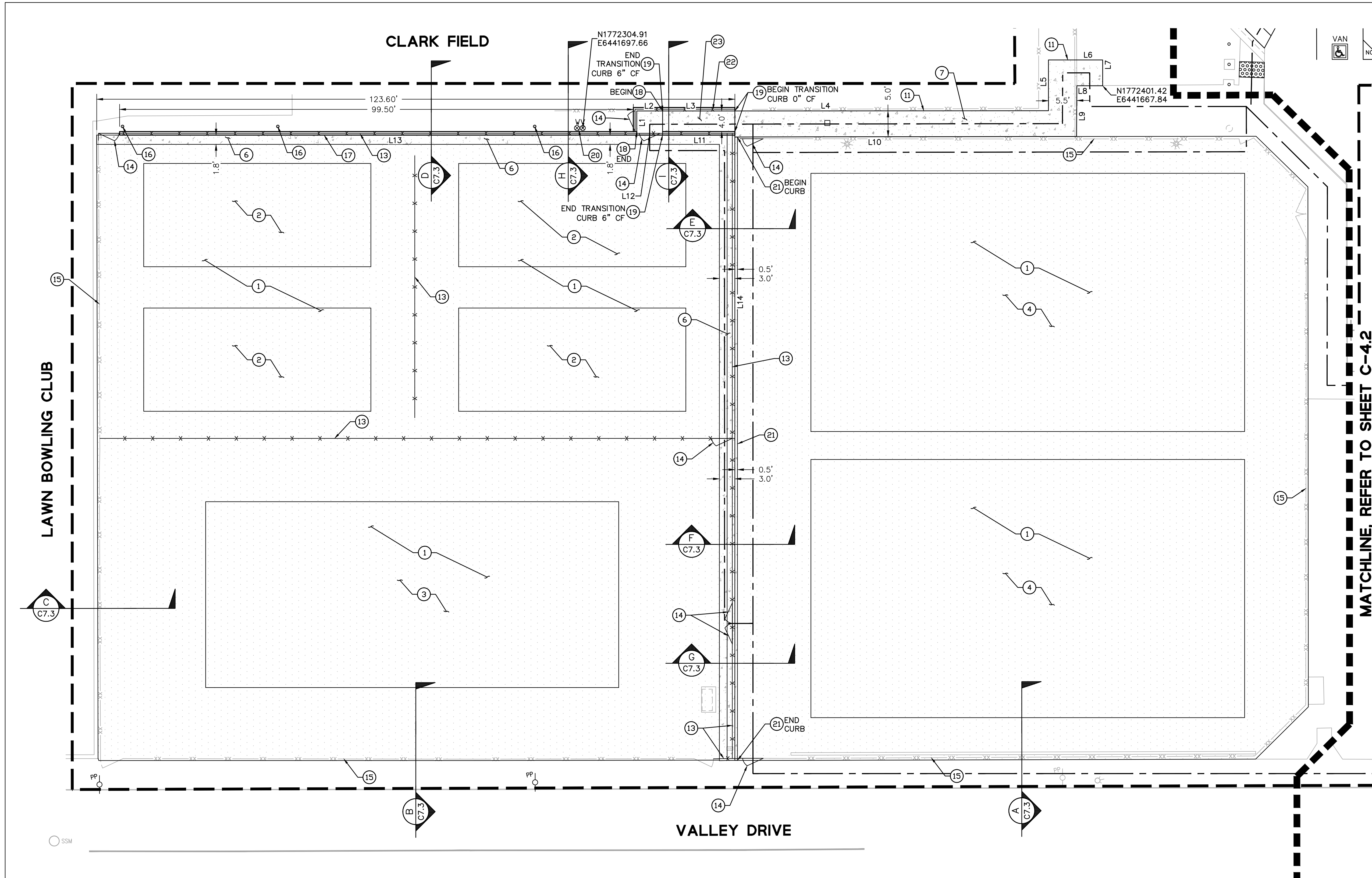
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CIP 619
 KELLY COURTS RENOVATIONS PLAN NO. 23-004

DEMOLITION PLAN (2) C-3.2

SHT. 7 OF 24

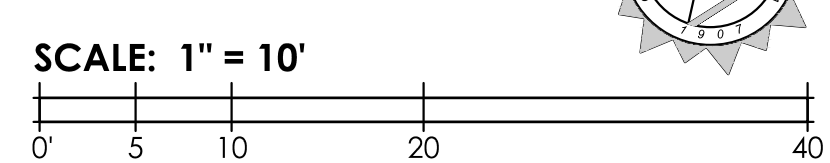


- LEGEND:**
- LIMIT OF WORK
 - ACCESSIBLE PATH OF TRAVEL
 - CONCRETE
 - NEW COURT SURFACE

- SITE PLAN NOTES:**
1. ALL DIMENSIONS ON THE PLANS ARE IN FEET OR DECIMALS THEREOF UNLESS SPECIFICALLY CALLED OUT AS FEET AND INCHES.
 2. THIS IS NOT A STAKING PLAN BUT A CHECK AND VERIFICATION OF THE MAJOR DIMENSIONS AS SHOWN ON THE LANDSCAPE PLANS.
 3. ALL DIMENSIONS SHOWN ARE TO FACE OF CURB, PROPERTY OR RIGHT-OF-WAY LINE, OR CENTER OF DRIVEWAYS, UNLESS OTHERWISE NOTED.
 4. THE CONSTRUCTION SURVEYOR IS RESPONSIBLE TO REPORT ANY AND ALL DISCREPANCIES TO ENGINEER PRIOR TO CONSTRUCTION.
 5. THE NEW COURT SURFACE WILL BE APPLIED OVER THE FULL EXTENTS OF THE CONCRETE SLAB, INCLUDING THE SLAB EXTENSION. REFER TO LANDSCAPE PLANS.

- SITE PLAN CONSTRUCTION NOTES:**
- 1 RESURFACED COURT SURFACE, SEE LANDSCAPE PLANS
 - 2 NEW PICKLEBALL COURT, SEE LANDSCAPE PLANS
 - 3 NEW TENNIS COURT, SEE LANDSCAPE PLANS
 - 4 NEW BASKETBALL COURT, SEE LANDSCAPE PLANS
 - 6 CONSTRUCT CONCRETE SLAB EXTENSION PER DETAILS 1&2/C-7.2, SEE NOTE 5
 - 7 CONSTRUCT PEDESTRIAN PCC WALKWAY PER DETAIL 2/C-7.2
 - 11 MODIFY THE EXISTING IRRIGATION AND TURF ON EACH SIDE OF THE NEW SIDEWALK. NEW TURF SHALL BE SODDED TURF THAT MATCHES THE EXISTING TURF BEING MODIFIED.
 - 13 NEW CHAIN LINK FENCE WITH MESH FABRIC, SEE LANDSCAPE PLANS
 - 14 NEW FENCE GATE, SEE LANDSCAPE PLANS
 - 15 NEW MESH FABRIC FOR EXISTING CHAIN LINK FENCE, SEE LANDSCAPE PLANS
 - 16 RELOCATED LIGHT POLE, SEE ELECTRICAL PLANS/E-2
 - 17 CONSTRUCT 8" RETAINING CURB PER DETAIL 6/C-7.2
 - 18 CONSTRUCT 6" RETAINING CURB PER DETAIL 6/C-7.2
 - 19 CONSTRUCT RETAINING CURB TRANSITION PER DETAIL 7/C-7.2
 - 20 RELOCATED TWO WATER VALVES CONNECTING TO TWO EXISTING 3-INCH WATER LINES
 - 21 CONSTRUCT CONCRETE CURB & GUTTER PER DETAIL 8/C-7.2
 - 22 ENCASE EXISTING FENCE POSTS IN PROPOSED RETAINING CURB, INSTALL NEW CHAIN LINK FENCE MESH
 - 23 CONSTRUCT RETAINING CURB TRANSITION AREA SEE DETAIL 4/C-7.1

LINE TABLE		
LINE #	LENGTH	DIRECTION
L1	4.00	S77° 28' 54.80"W
L2	5.00	N12° 31' 05.20"W
L3	14.00	N12° 37' 22.61"W
L4	60.73	N12° 32' 32.21"W
L5	9.83	S77° 28' 54.80"W
L6	10.50	N12° 31' 05.20"W
L7	5.00	N77° 28' 54.80"E
L8	5.00	S12° 31' 05.20"E
L9	9.83	N77° 47' 35.41"E
L10	66.17	S12° 37' 10.08"E
L11	14.00	S12° 31' 05.20"E
L12	5.00	S12° 31' 05.20"E
L13	104.60	S12° 31' 05.20"E
L14	60.75	S77° 28' 54.80"W



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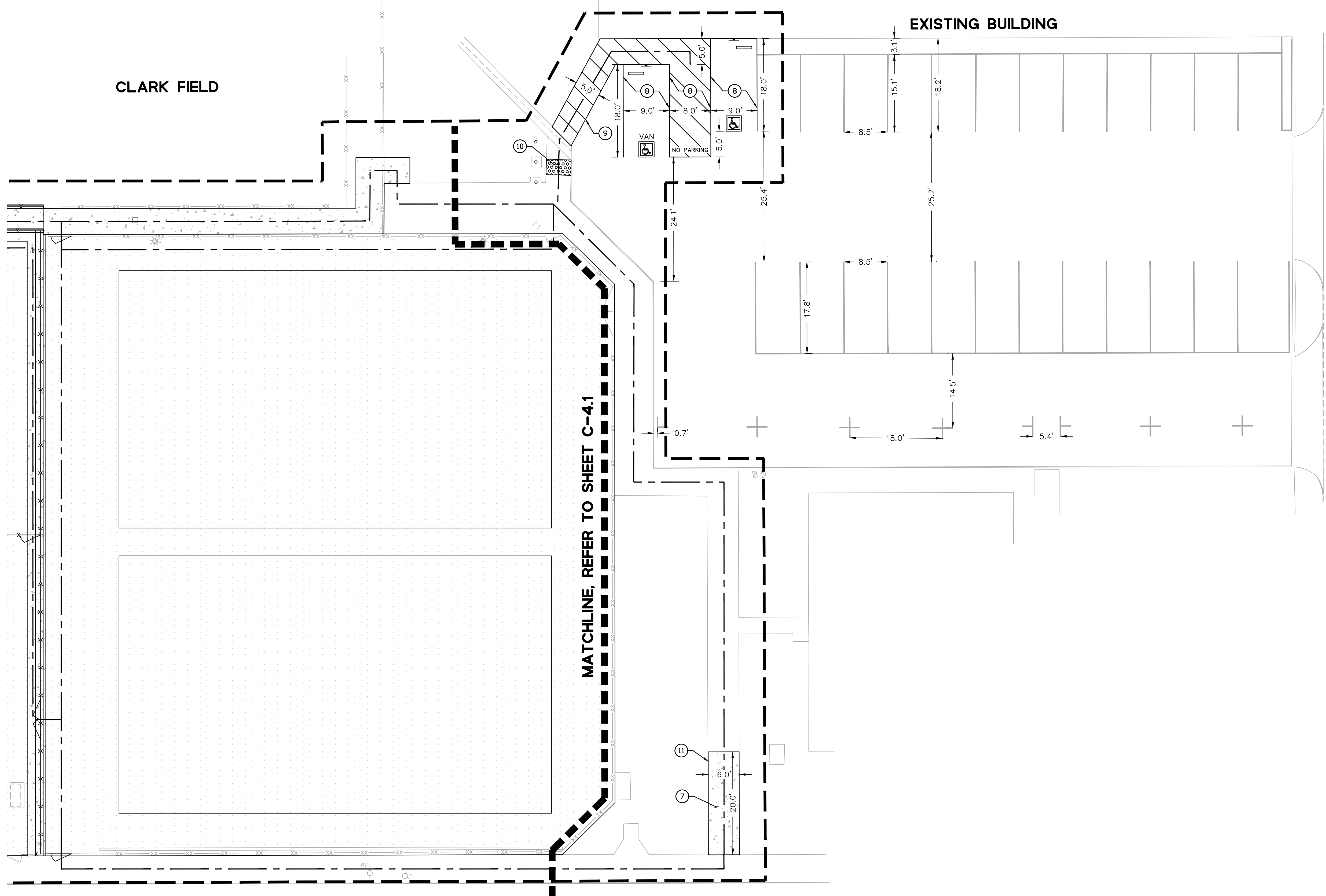
APPROVED BY:

J. Oskoui 12/10/24
JOHN OSKOU, P.E., ACTING CITY ENGINEER DATE

PLAN NO. CIP 619
KELLY COURTS RENOVATIONS 23-004

SITE IMPROVEMENT PLAN (1) C-4.1

RECOMMENDED BY: C-4.1
SHT. 8 OF 24



- LEGEND:**
- LIMIT OF WORK
 - ACCESSIBLE PATH OF TRAVEL
 - CONCRETE
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 2. THIS IS NOT A STAKING PLAN BUT A CHECK AND VERIFICATION OF THE MAJOR DIMENSIONS AS SHOWN ON THE LANDSCAPE PLANS.
 3. ALL DIMENSIONS SHOWN ARE TO FACE OF CURB, PROPERTY OR RIGHT-OF-WAY LINE, OR CENTER OF DRIVEWAYS, UNLESS OTHERWISE NOTED.
 4. THE CONSTRUCTION SURVEYOR IS RESPONSIBLE TO REPORT ANY AND ALL DISCREPANCIES TO ENGINEER PRIOR TO CONSTRUCTION.
 5. THE NEW COURT SURFACE WILL BE APPLIED OVER THE FULL EXTENTS OF THE CONCRETE SLAB, INCLUDING THE SLAB EXTENSION. REFER TO LANDSCAPE PLANS.

- SITE PLAN CONSTRUCTION NOTES:**
- ⑦ CONSTRUCT PEDESTRIAN PCC WALKWAY PER DETAIL 2/C-7.2
 - ⑧ CONSTRUCT ACCESSIBLE PARKING STALLS PER DETAIL 3/C-7.2
 - ⑨ INSTALL ACCESSIBLE AISLE CONTINUATION PER DETAIL 4/C-7.2
 - ⑩ INSTALL DETECTABLE WARNING SURFACE PANEL PER DETAIL 5/C-7.2
 - ⑪ MODIFY THE EXISTING IRRIGATION AND TURF ON EACH SIDE OF THE NEW SIDEWALK. NEW TURF SHALL BE SODDED TURF THAT MATCHES THE EXISTING TURF BEING MODIFIED.

SCALE: 1" = 10'



PLANS PREPARED BY:

BKF ENGINEERS
4675 MACARTHUR CT.
SUITE 400
NEWPORT BEACH, CA 92660
(949) 526-8460
www.bkf.com

BRUCE W. KIRBY, RCE LICENSE No. 42393 EXP. 03/31/2026

REVISIONS		
No.	DESCRIPTION	DATE

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of Southern California
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www.811.com
Call before you dig.

NOTICE TO CONTRACTOR

PURSUANT TO ASSEMBLY BILL 6816 NO EXCAVATION PERMIT IS VALID UNLESS THE CONTRACTOR CONTACTS AND OBTAINS A 811 ALERT TICKET NUMBER. CALL 811 AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING EXCAVATION.

CITY OF HERMOSA BEACH

PUBLIC WORKS
1315 VALLEY DRIVE
HERMOSA BEACH, CA 90254
(310) 318-0214

REVIEWED BY:

LANEY WILSON, ASSOCIATE ENGINEER 12/10/24

DATE

RECOMMENDED BY:
SAAD MALIM, P.E., SENIOR ENGINEER DATE

APPROVED BY:

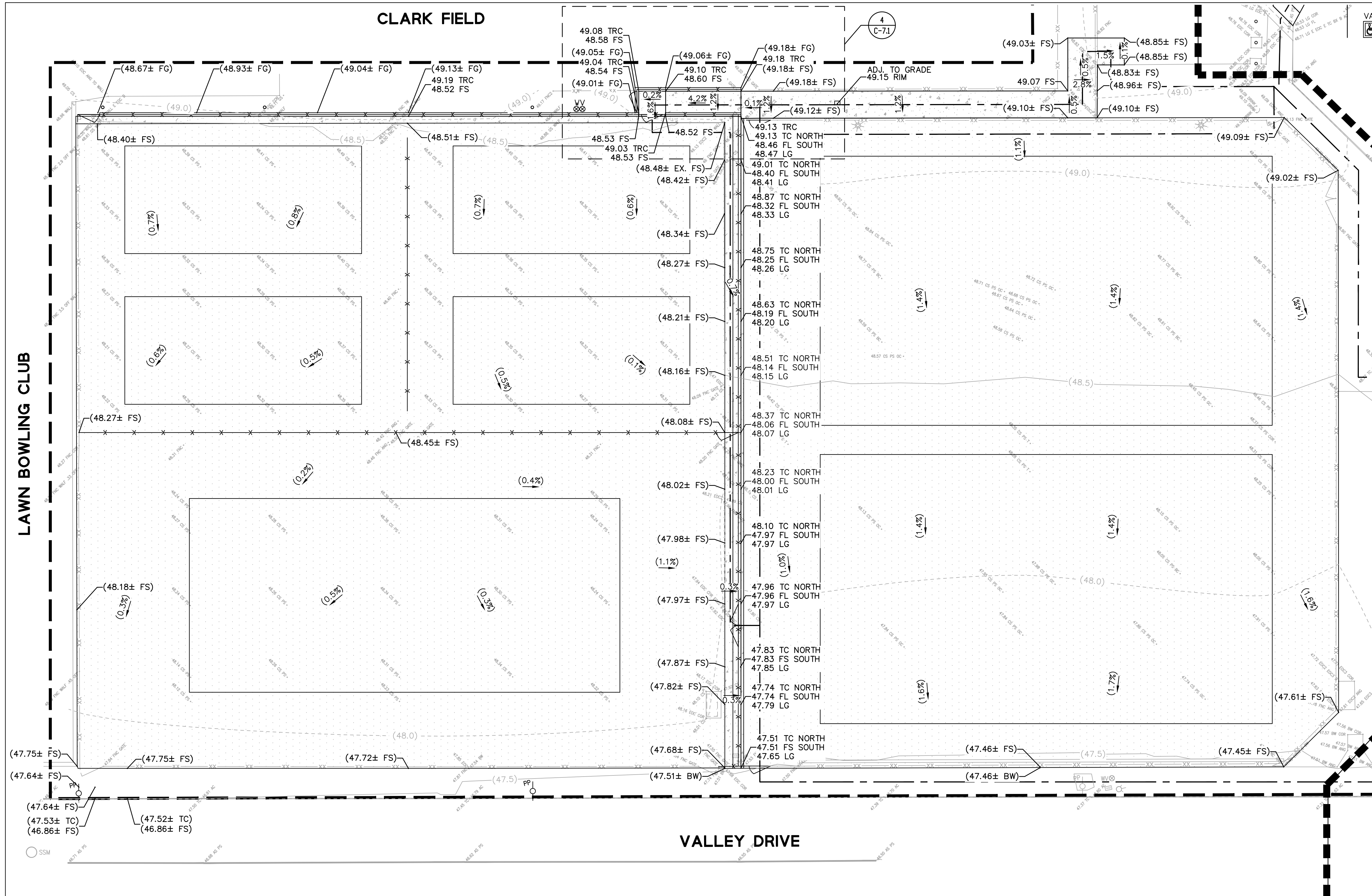
JOHN OSKOU, P.E., ACTING CITY ENGINEER 12/10/24

DATE

CIP 619
KELLY COURTS RENOVATIONS PLAN NO. 23-004

SITE IMPROVEMENT PLAN (2) C-4.2

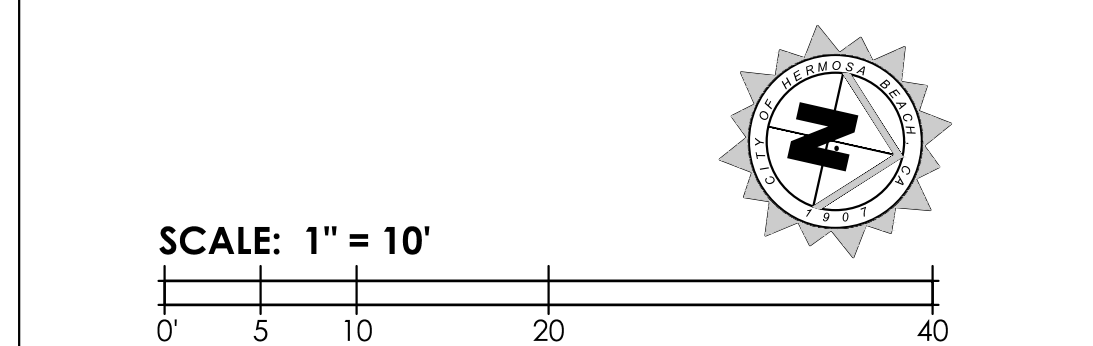
RECOMMENDED BY: SHT. 9 OF 24



- LEGEND:**
- LIMIT OF WORK
 - ACCESSIBLE PATH OF TRAVEL
 - (49.0) EXISTING MAJOR CONTOUR
 - (48.5) EXISTING MINOR CONTOUR
 - (XXX.XX± FS) EXISTING GRADE ELEVATION
 - XXX.XX FS PROPOSED GRADE ELEVATION
 - (X.X%) EXISTING GRADE SLOPE
 - X.X% PROPOSED GRADE SLOPE

- ABBREVIATIONS:**
- BW BACK OF WALK
 - FG FINISHED GRADE
 - FS FINISHED SURFACE
 - TRC TOP OF RETAINING CURB

- GRADING NOTES:**
1. ALL DESIGN ELEVATIONS SHOWN ON THE GRADING SHEETS ARE TO FINISHED GRADE, UNLESS OTHERWISE NOTED.
 2. ALL EXISTING UTILITY STRUCTURES WITHIN GRADING LIMITS SHALL BE ADJUSTED TO NEW PROPOSED GRADES.
 3. GRADING SHALL NOT EXCEED A 2:1 MAXIMUM SLOPE.
 4. ALONG ADA PATH OF TRAVEL, ALL CROSS SLOPES AND LONGITUDINAL SLOPES SHALL NOT EXCEED 2% AND 5% RESPECTIVELY, UNLESS OTHERWISE NOTED.



PLANS PREPARED BY:

BRUCE W. KIRBY, RCE LICENSE No. 42393 EXP. 03/31/2026

REVISIONS		
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NOTICE TO CONTRACTOR

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CITY OF HERMOSA BEACH

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 1315 VALLEY DRIVE
 HERMOSA BEACH, CA 90254
 (310) 318-0214

REVIEWED BY:

Laney Wilson 12/10/24
 LANEY WILSON, ASSOCIATE ENGINEER DATE

RECOMMENDED BY:

SAAD MALIM, P.E., SENIOR ENGINEER DATE

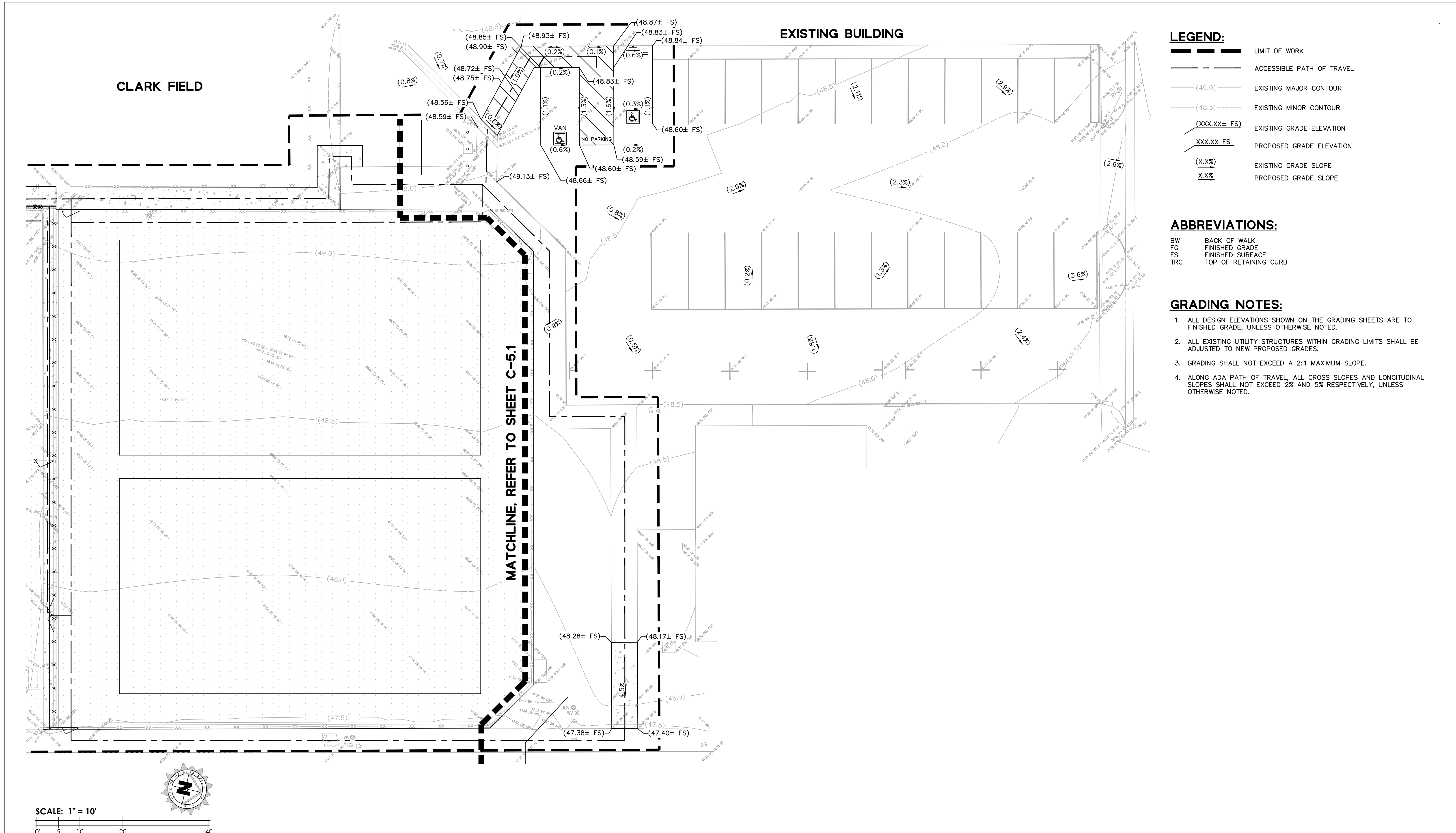
APPROVED BY:

J. Oskoui 12/10/24
 JOHN OSKOU, P.E., ACTING CITY ENGINEER DATE

CIP 619
 KELLY COURTS RENOVATIONS PLAN NO. 23-004

GRADING PLAN (1) C-5.1

RECOMMENDED BY: SHT. 10 OF 24



- LEGEND:**
- — — — — LIMIT OF WORK
 - — — — — ACCESSIBLE PATH OF TRAVEL
 - (49.0) — — — — — EXISTING MAJOR CONTOUR
 - (48.5) — — — — — EXISTING MINOR CONTOUR
 - (XXX.XX± FS) EXISTING GRADE ELEVATION
 - XXX.XX FS PROPOSED GRADE ELEVATION
 - (X.X%) EXISTING GRADE SLOPE
 - X.X% PROPOSED GRADE SLOPE

- ABBREVIATIONS:**
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 - FG FINISHED GRADE
 - FS FINISHED SURFACE
 - TRC TOP OF RETAINING CURB

- GRADING NOTES:**
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PLANS PREPARED BY:

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APPROVED BY:

J. Oskoui 12/10/24

JOHN OSKOU, P.E., ACTING CITY ENGINEER DATE

CIP 619
 KELLY COURTS RENOVATIONS

PLAN NO. 23-004

RECOMMENDED BY: C-5.2

GRADING PLAN (2)

SHT. 11 OF 24

LEGEND:

- FIBER ROLL (SE-5)
- x --- CONSTRUCTION FENCE TO BE PLACED BY CONTRACTOR
- ==== STORM DRAIN INLET PROTECTION
- ~> FLOW ARROW

EROSION CONTROL KEYNOTES:

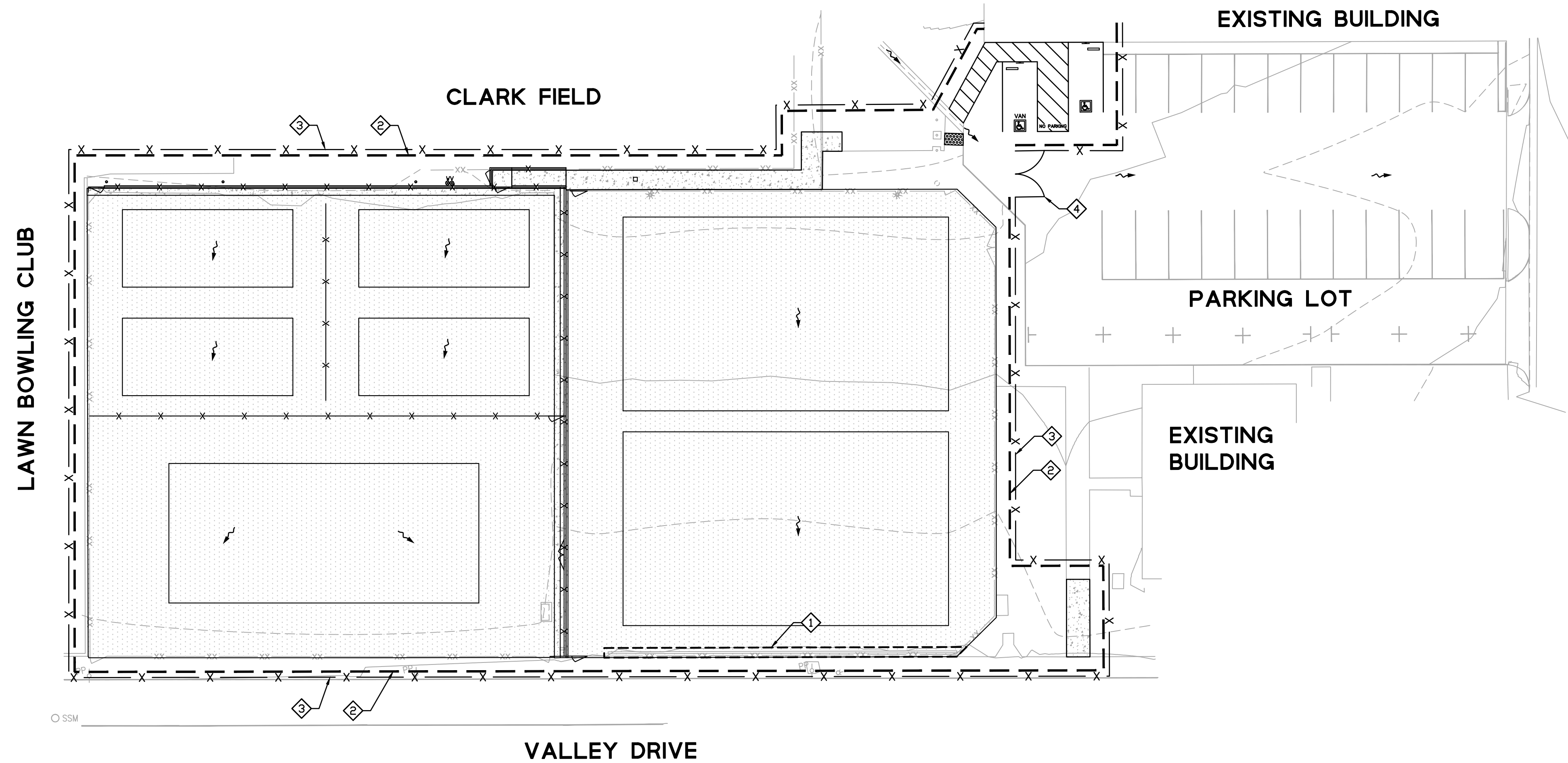
- ① INSTALL STORM DRAIN INLET PROTECTION PER DETAIL 1/C-7.1
- ② INSTALL FIBER ROLL PER DETAIL 2/C-7.1
- ③ INSTALL CONSTRUCTION FENCE PER DETAIL 3/C-7.1
- ④ INSTALL CONSTRUCTION FENCE GATE

NOTES:

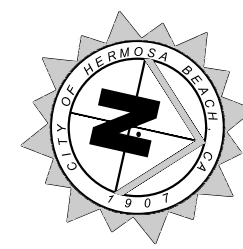
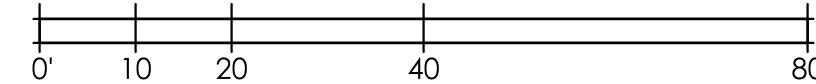
- CONTRACTOR TO UPDATE LOCATION OF EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION.
- SITE ACCESS SHOWN ON THIS PLAN IS PROVIDED FOR INFORMATION PURPOSES ONLY. CONTRACTOR SHALL LOCATE CONSTRUCTION ACCESS DRIVEWAYS AS NECESSARY.
- LOCATION OF CONSTRUCTION FENCING SHOWN ON THIS PLAN IS APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING THE SITE AND INSTALLING NEW CONSTRUCTION FENCING AS NECESSARY.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN EFFECT AND MAINTAINED BY THE CONTRACTOR ON A YEAR-ROUND BASIS UNTIL ALL DISTURBED AREAS ARE STABILIZED UNLESS OTHERWISE PERMITTED BY THE CITY INSPECTOR.
- ALL INLETS RECEIVING STORM WATER RUNOFF FROM THE PROJECT AREA MUST BE EQUIPPED WITH REQUIRED INLET PROTECTION.
- ALL PAVED AREAS SHALL BE KEPT CLEAR OF EARTH MATERIALS AND DEBRIS. THE SITE SHALL BE MAINTAINED SO TO MINIMIZE SEDIMENT LADEN RUNOFF ENTERING THE STORM DRAIN SYSTEM.
- STOCKPILED EARTHEN MATERIAL SHALL BE EITHER COVERED WITH A TARP OR WATERED SUFFICIENTLY TO ELIMINATE DUST.
- CONSTRUCTION AREAS SHOWN ARE CONCEPTUAL. ACTUAL PLACEMENT TO BE DETERMINED BY CONTRACTOR BASED ON CURRENT BEST MANAGEMENT PRACTICES. CONTRACTOR SHALL SUBMIT A CONSTRUCTION STAGING PLAN.

EROSION AND SEDIMENTATION CONTROL NOTES:

- CONTRACTOR SHALL ASSUME THE CONCEPTS ON THE EROSION CONTROL PLAN, IF PROVIDED, ARE SCHEMATIC MINIMUM REQUIREMENTS, THE FULL EXTENT OF WHICH ARE TO BE DETERMINED BY THE CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR THE EXACT DESIGN AND EXTENT OF THE EROSION CONTROL SYSTEM SO THAT IT WORKS WITH THE CONTRACTOR'S INTENDED USE AND MANAGEMENT OF THE CONSTRUCTION SITE.
- ALL EROSION CONTROL FACILITIES SHALL BE INSPECTED BY THE CONTRACTOR AND REPAIRED, AS REQUIRED, AT THE CONCLUSION OF EACH WORKING DAY. THE CONTRACTOR SHALL INSPECT THE EROSION CONTROL FACILITIES AND MAKE NECESSARY REPAIRS PRIOR TO ANTICIPATED STORMS AND AT REASONABLE INTERVALS DURING STORMS OF EXTENDED DURATION. REPAIRS TO DAMAGED FACILITIES SHALL BE MADE IMMEDIATELY UPON DISCOVERY.
- AS SOON AS PRACTICAL FOLLOWING EACH STORM, THE CONTRACTOR SHALL REMOVE ANY ACCUMULATION OF SILT OR DEBRIS FROM THE EROSION CONTROL SEDIMENT BASINS AND SHALL CLEAR THE OUTLET PIPES OF ANY BLOCKAGE.
- STOCKPILED MATERIAL SHALL BE COVERED WITH VISQUEEN OR A TARPULIN UNTIL THE MATERIAL IS REMOVED FROM THE SITE. ANY REMAINING BARE SOIL THAT EXISTS AFTER THE STOCKPILE HAS BEEN REMOVED SHALL BE COVERED UNTIL A NATURAL GROUND COVER IS ESTABLISHED OR IT MAY BE SEEDED OR PLANTED TO PROVIDE GROUND COVER.
- PRIOR TO THE COMMENCEMENT OF ANY CLEARING, GRADING, OR EXCAVATION, THE CONTRACTOR SHALL VERIFY THAT THE CITY HAS SUBMITTED TO THE STATE WATER RESOURCES CONTROL BOARD A NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE STATE CONSTRUCTION STORM WATER GENERAL PERMIT, IF REQUIRED BY THE STATE. THE CONTRACTOR SHALL MAINTAIN A COPY OF THE NOI ON THE CONSTRUCTION SITE.
- NECESSARY MATERIALS SHALL BE AVAILABLE ON SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
- PROTECT ADJACENT PROPERTIES AND UNDISTURBED AREAS FROM CONSTRUCTION IMPACTS USING VEGETATIVE BUFFER STRIPS, SEDIMENT BARRIERS OR FILTERS, DIKES, MULCHING OR OTHER MEASURES AS APPROPRIATE.
- CONTRACTOR SHALL MAINTAIN ADJACENT STREETS IN A NEAT, CLEAN, DUST FREE AND SANITARY CONDITION AT ALL TIMES AND TO THE SATISFACTION OF THE CITY INSPECTOR. THE ADJACENT STREET SHALL BE KEPT CLEAN OF DEBRIS, WITH DUST AND OTHER NUISANCE BEING CONTROLLED AT ALL TIMES. DEVELOPER SHALL BE RESPONSIBLE FOR ANY CLEAN UP ON ADJACENT STREETS AFFECTED BY THEIR CONSTRUCTION, METHOD OF STREET CLEANING SHALL BE BY DRY SWEEPING OF ALL PAVED AREAS. NO STOCKPILING OF BUILDING MATERIALS WITHIN THE CITY'S RIGHT-OF-WAY IS PERMITTED.
- ALL EROSION CONTROL MATERIALS SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR UNLESS OTHERWISE NOTED.
- PROTECT DOWN SLOPE DRAINAGE COURSES, STREAMS AND STORM DRAINS WITH ROCK FILLED SAND BAGS, TEMPORARY DRAINAGE SWALES, SILT FENCES, EARTH BERMS, STORM DRAIN INLET FILTERS AND/OR STRAW BALES USED ONLY IN CONJUNCTION WITH PROPERLY INSTALLED SILT FENCES.



SCALE: 1" = 20'



PLANS PREPARED BY:



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 4675 MACARTHUR CT.
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 HERMOSA BEACH, CA 90254
 (310) 318-0214

REVIEWED BY:

Laney Wilson 12/10/24

LANEY WILSON, ASSOCIATE ENGINEER DATE

RECOMMENDED BY:

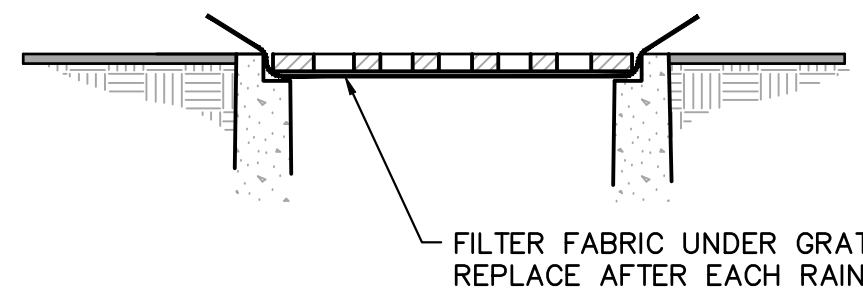
SAAD MALIM, P.E., SENIOR ENGINEER DATE

APPROVED BY:

J. Oskoui 12/10/24

JOHN OSKOU, P.E., ACTING CITY ENGINEER DATE

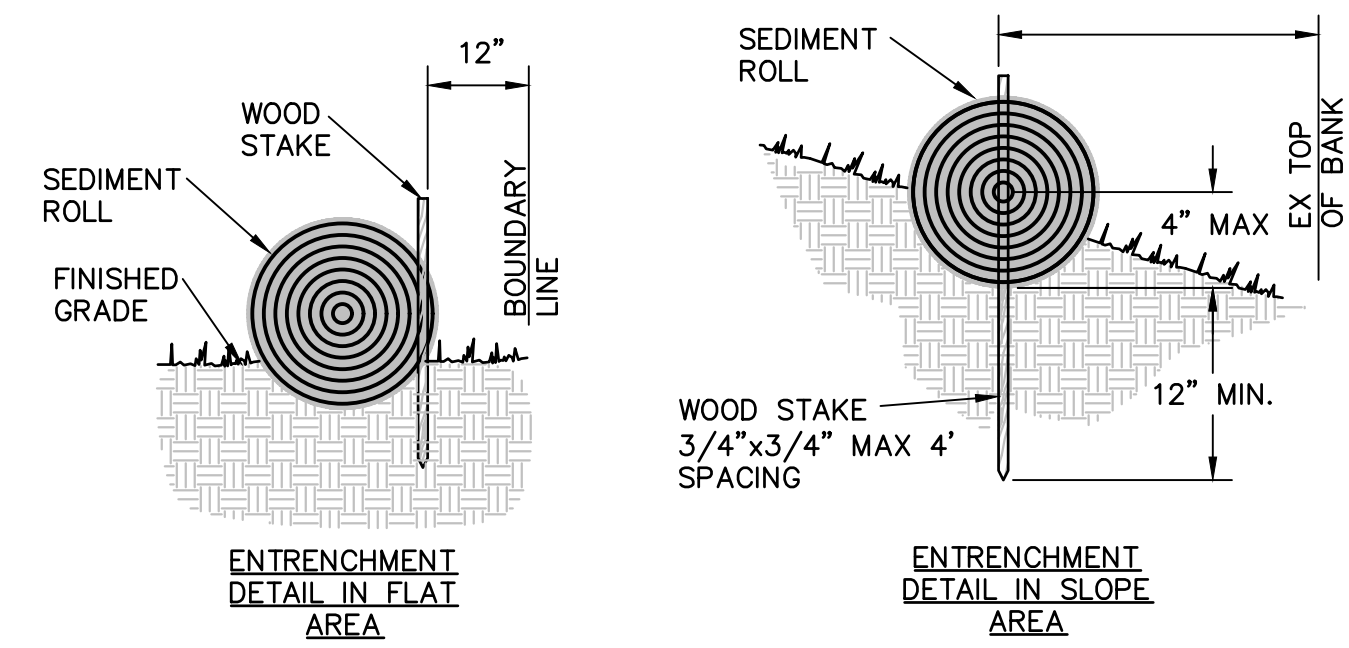
CIP 619 KELLY COURTS RENOVATIONS	PLAN NO. 23-004
EROSION CONTROL PLAN	RECOMMENDED BY: C-6.1
	SHT. 12 OF 24



NOTES:

1. THE CONTRACTOR SHALL INSPECT THE FILTER FABRIC AND MAKE NECESSARY REPAIRS PRIOR TO ANTICIPATED STORMS AND AT REASONABLE INTERVALS DURING STORMS OF EXTENDED DURATION.
2. AS SOON AS PRACTICAL FOLLOWING EACH STORM, THE CONTRACTOR SHALL REMOVE ANY ACCUMULATION OF SILT OR DEBRIS FROM THE FILTER FABRIC AND SHALL CLEAR THE OUTLET PIPES OF ANY BLOCKAGE.

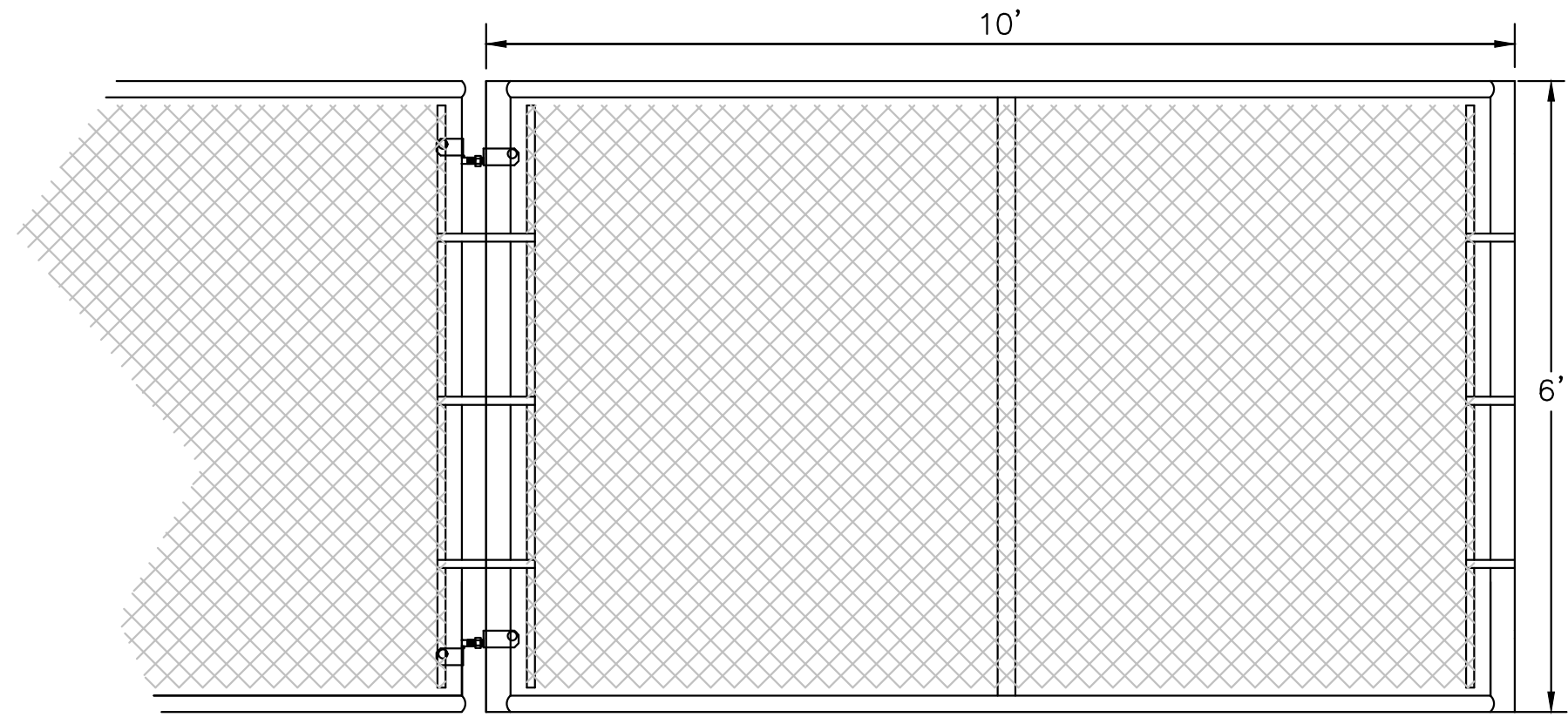
1 STORM DRAIN INLET PROTECTION
NTS



INSTALLATION PROCEDURE:

1. FIBER ROLLS ARE TUBES MADE FROM POROUS BIODEGRADABLE FIBER STUFFED IN A PHOTO-DEGRADABLE OPEN WEAVE NETTING. THEY ARE APPROX. 8" DIAMETER.
2. FIBER ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 2"-4" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL. ROLLS SHOULD BE ABUTTED SECURELY TO PROVIDE A TIGHT JOINT, NOT OVERLAPPED.

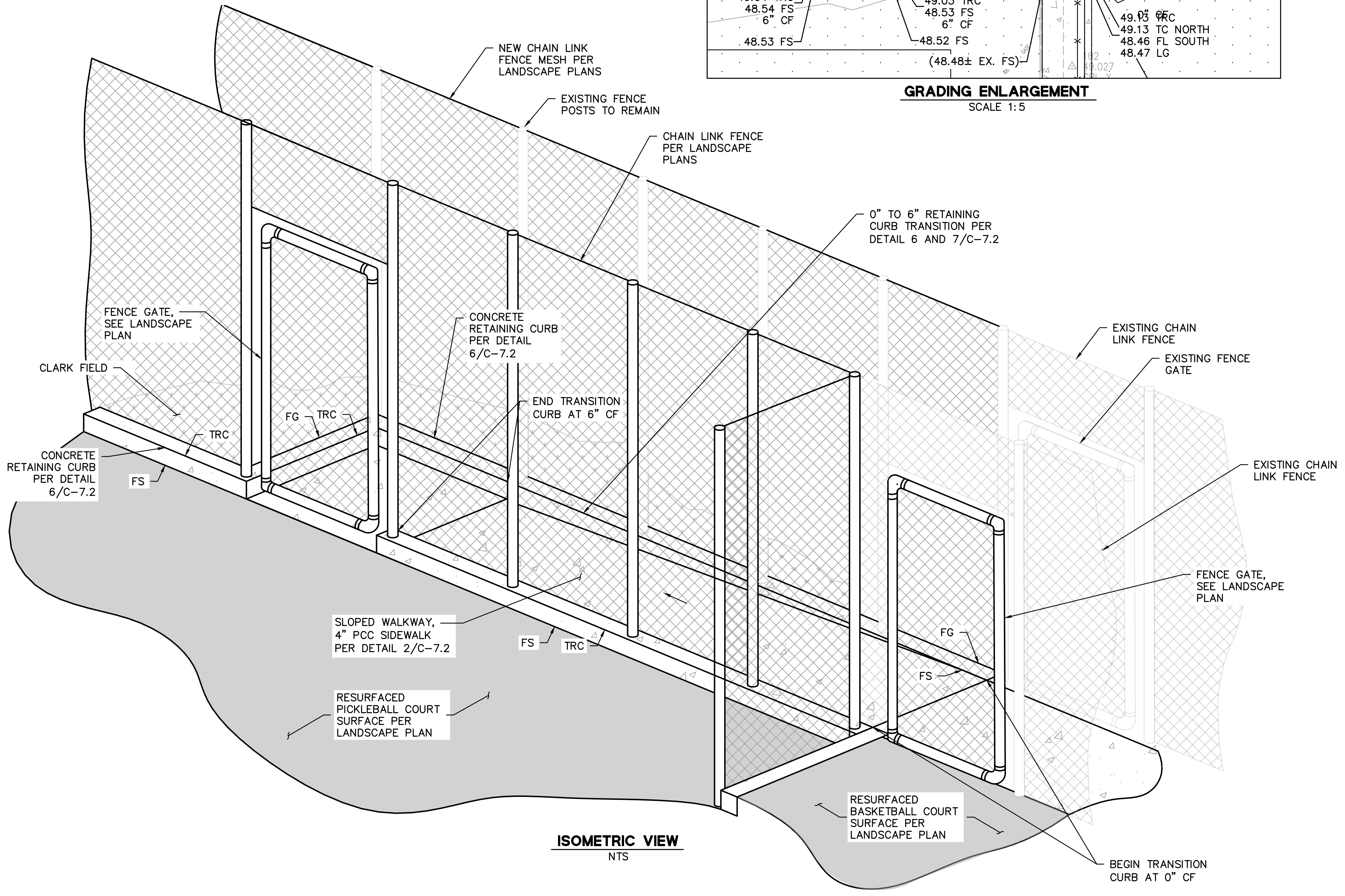
2 FIBER ROLL DETAIL
NTS



NOTES:

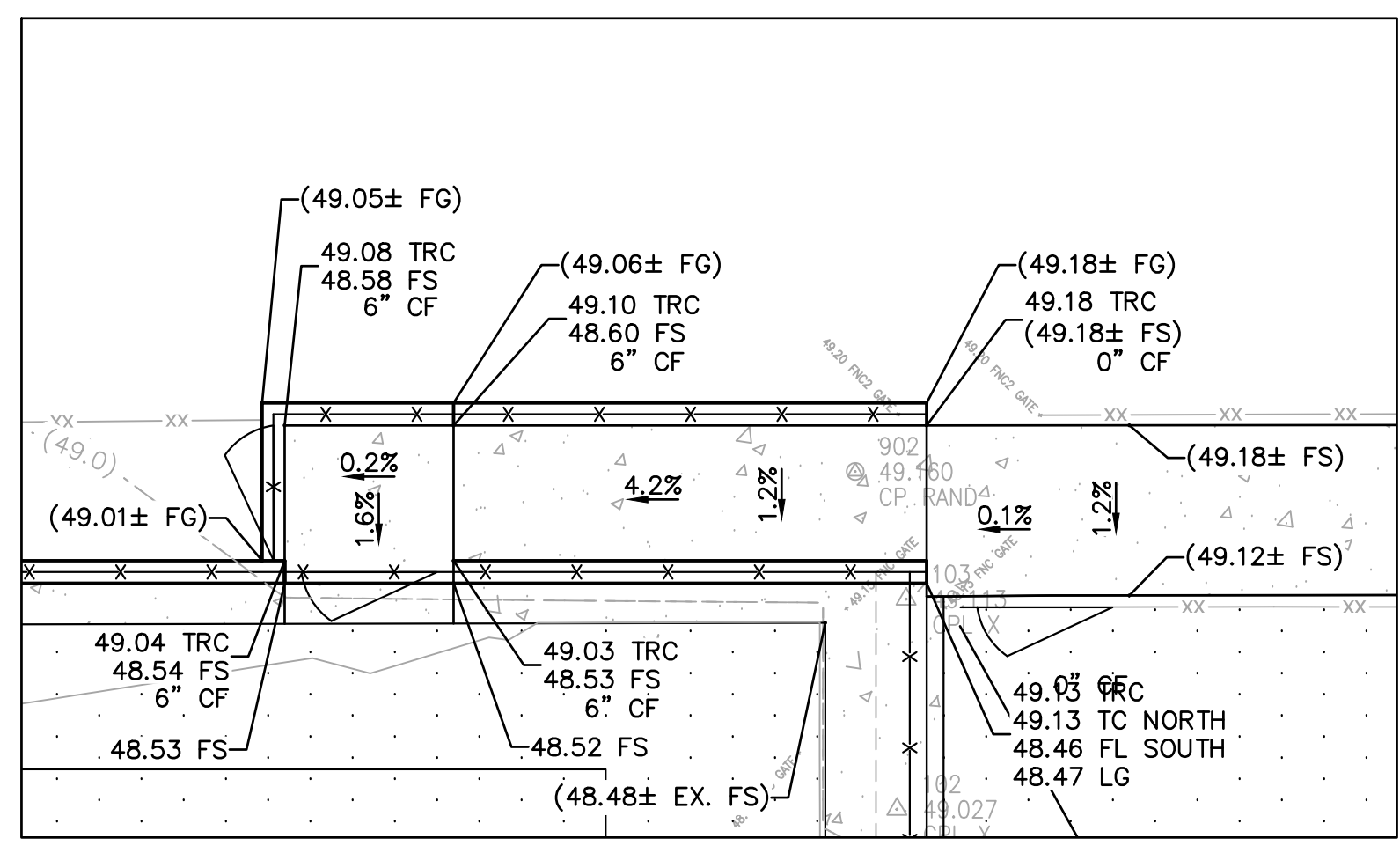
1. CONTRACTOR TO PROVIDE TEMPORARY CHAIN LINK CONSTRUCTION FENCE WITH SAND BAGS FOR ANCHORING.
2. INSTALL "CONSTRUCTION SITE, NO TRESPASSING" SIGNS. ENSURING SIGNS ARE LEGIBLE FROM 5' AWAY.
3. INSTALL BLACK WINDSCREEN ON ALL CONSTRUCTION FENCE.

3 CONSTRUCTION FENCE
NTS



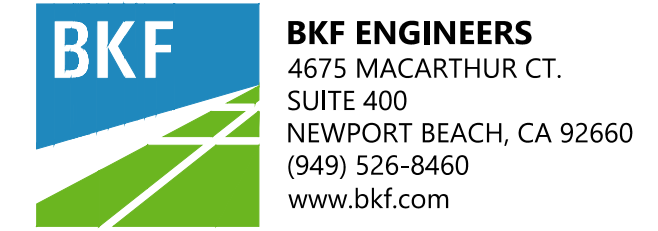
ISOMETRIC VIEW
NTS

4 RETAINING CURB TRANSITION DETAIL
NTS

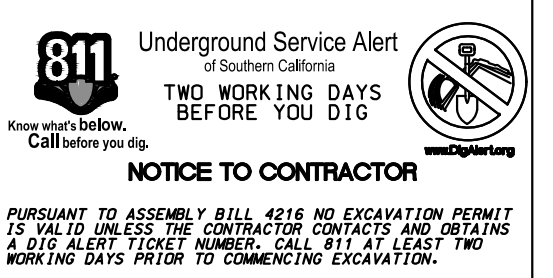


GRADING ENLARGEMENT
SCALE 1:5

PLANS PREPARED BY:



REVISIONS		
No.	DESCRIPTION	DATE



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1315 VALLEY DRIVE
HERMOSA BEACH, CA 90254
(310) 318-0214

REVIEWED BY:

Laney Wilson 12/10/24
LANEY WILSON, ASSOCIATE ENGINEER DATE

RECOMMENDED BY:

SAAD MALIM, P.E., SENIOR ENGINEER DATE

APPROVED BY:
J. Oskoui 12/10/24
JOHN OSKOU, P.E., ACTING CITY ENGINEER DATE

CIP 619
KELLY COURTS RENOVATIONS

CIVIL DETAILS

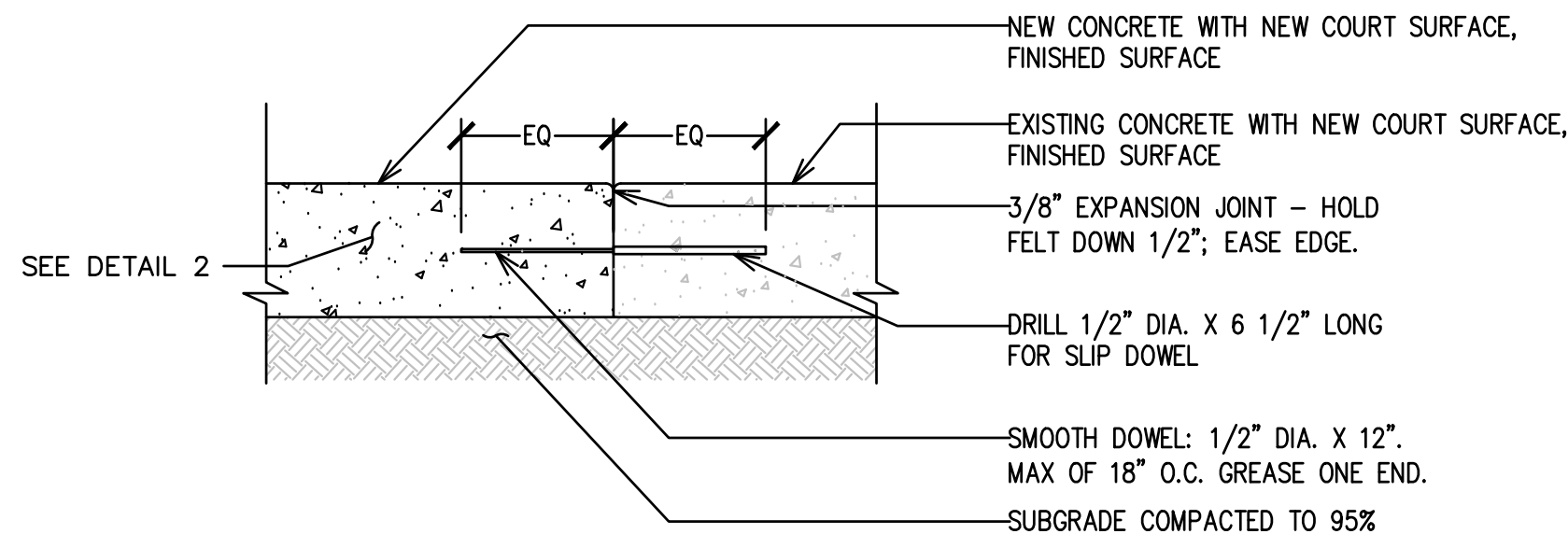
PLAN NO.

23-004

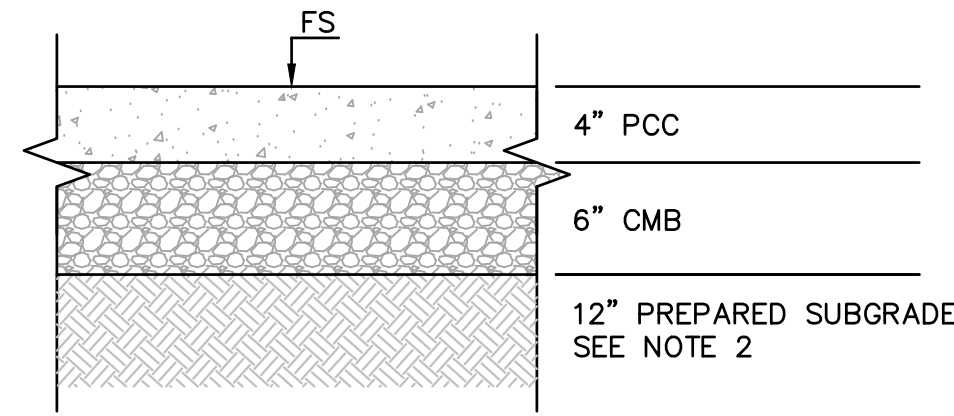
RECOMMENDED BY:

C-7.1

SHT. 13 OF 24



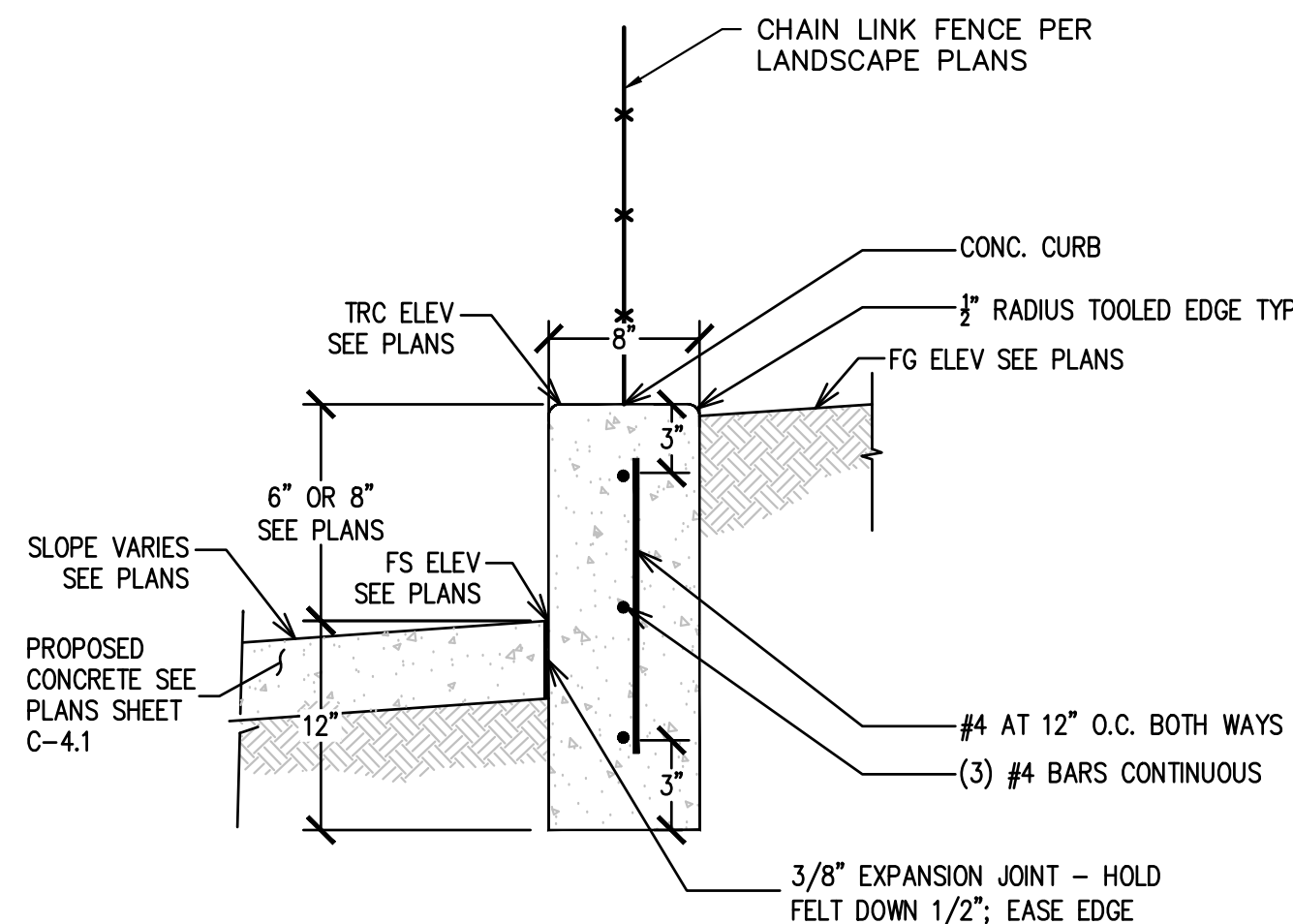
1 DOWEL BETWEEN EXISTING CONCRETE COURT & NEW CONCRETE COURT SLAB
NTS



PAVEMENT SECTION DESIGN		
CLASSIFICATION	PCC (IN)	CMB (IN)
PEDESTRIAN PAVEMENT	4	6

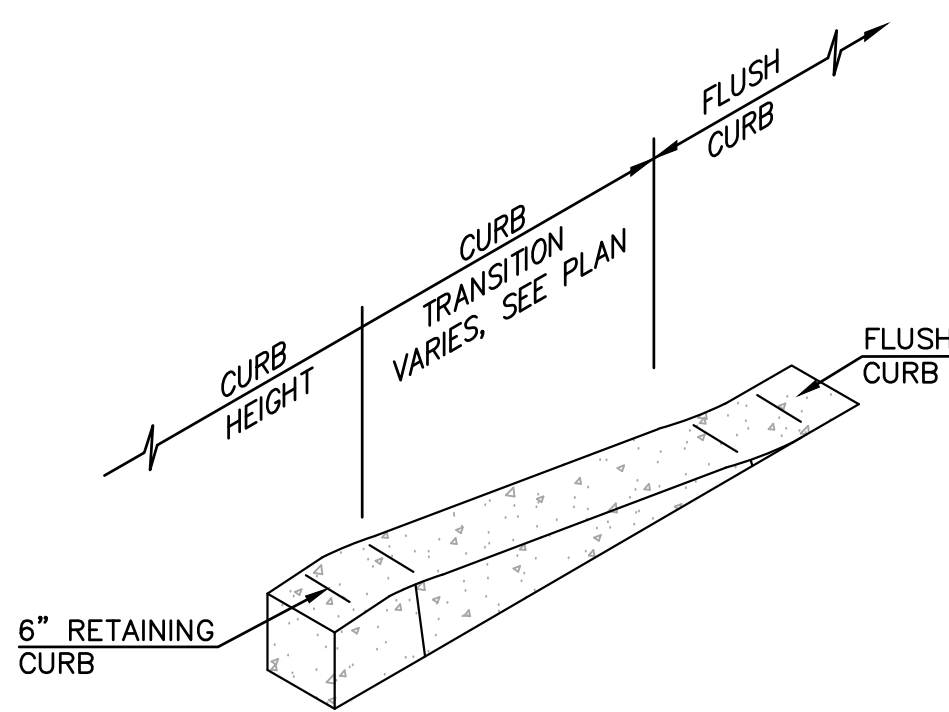
- NOTES:**
- THIS SECTION TO BE USED IN LOCATIONS WHERE NEW PCC CONCRETE IS REQUIRED FOR PEDESTRIAN TRAFFIC, SUCH AS SIDEWALKS, WALKWAYS, COURTS.
 - SUBGRADE IS TO BE COMPACTED TO 95% RELATIVE COMPACTION. KEEP THE MOISTURE CONTENT SLIGHTLY ABOVE OPTIMUM.
 - REFER TO LANDSCAPE SLIGHTS FOR CONCRETE FINISHING, SCORE LINE & EXPANSION JOINT INFORMATION.
 - POSITIVE DRAINAGE SHOULD BE PROVIDED AWAY FROM ALL PAVEMENT AREAS TO PREVENT SEEPAGE OF SURFACE AND/OR SUBSURFACE WATER INTO THE PAVEMENT BASE AND/OR SUBGRADE

2 CONCRETE SECTION (FOR PEDESTRIAN WALKWAY & COURT SLAB)
NTS

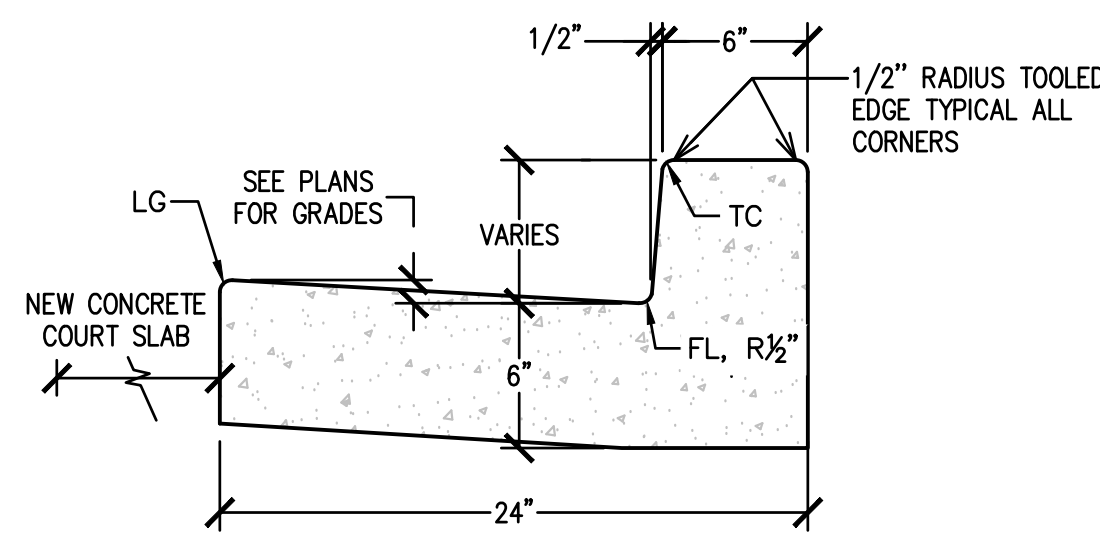


- NOTES:**
- CURB MAY EITHER BE EXTRUDED TO THE SHAPE SHOWN OR FORMED & POURED IN PLACE
 - PROVIDE EXPANSION JOINTS AT 15' O.C.

6 RETAINING CURB
NTS

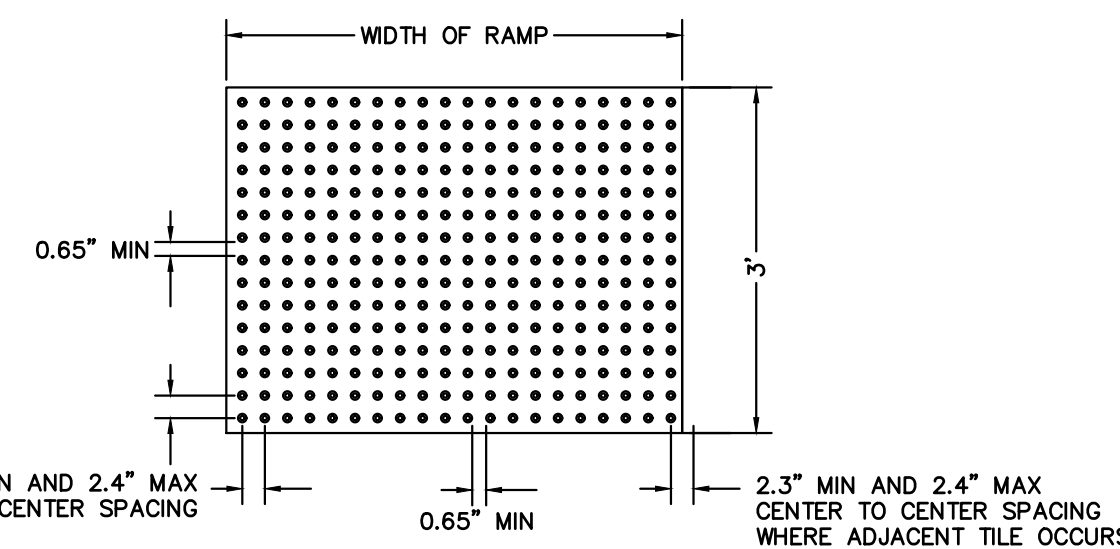


7 RETAINING CURB TRANSITION
NTS

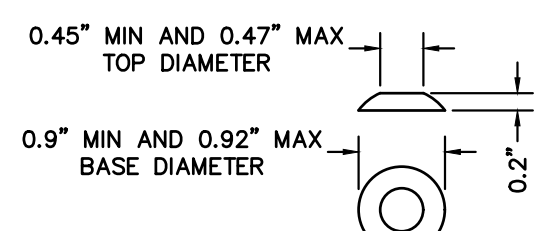


- NOTES:**
- CURB AND GUTTER CONCRETE TO BE POURED MONOLITHICALLY, WITH NO JOINT IN BETWEEN TO PREVENT WATER SEEPAGE.

8 CONCRETE CURB & GUTTER
NTS



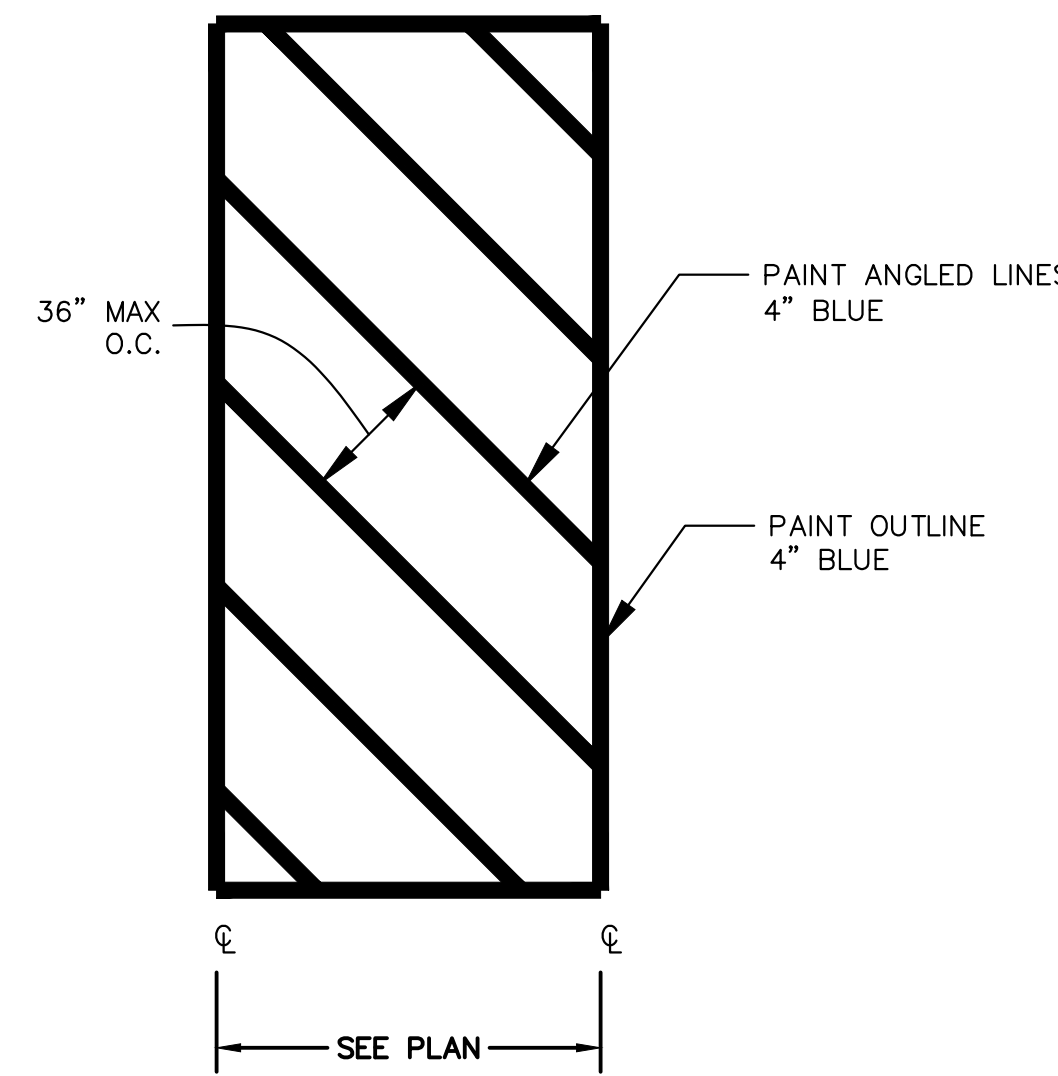
RAISED TRUNCATED DOME PATTERN



RAISED TRUNCATED DOME

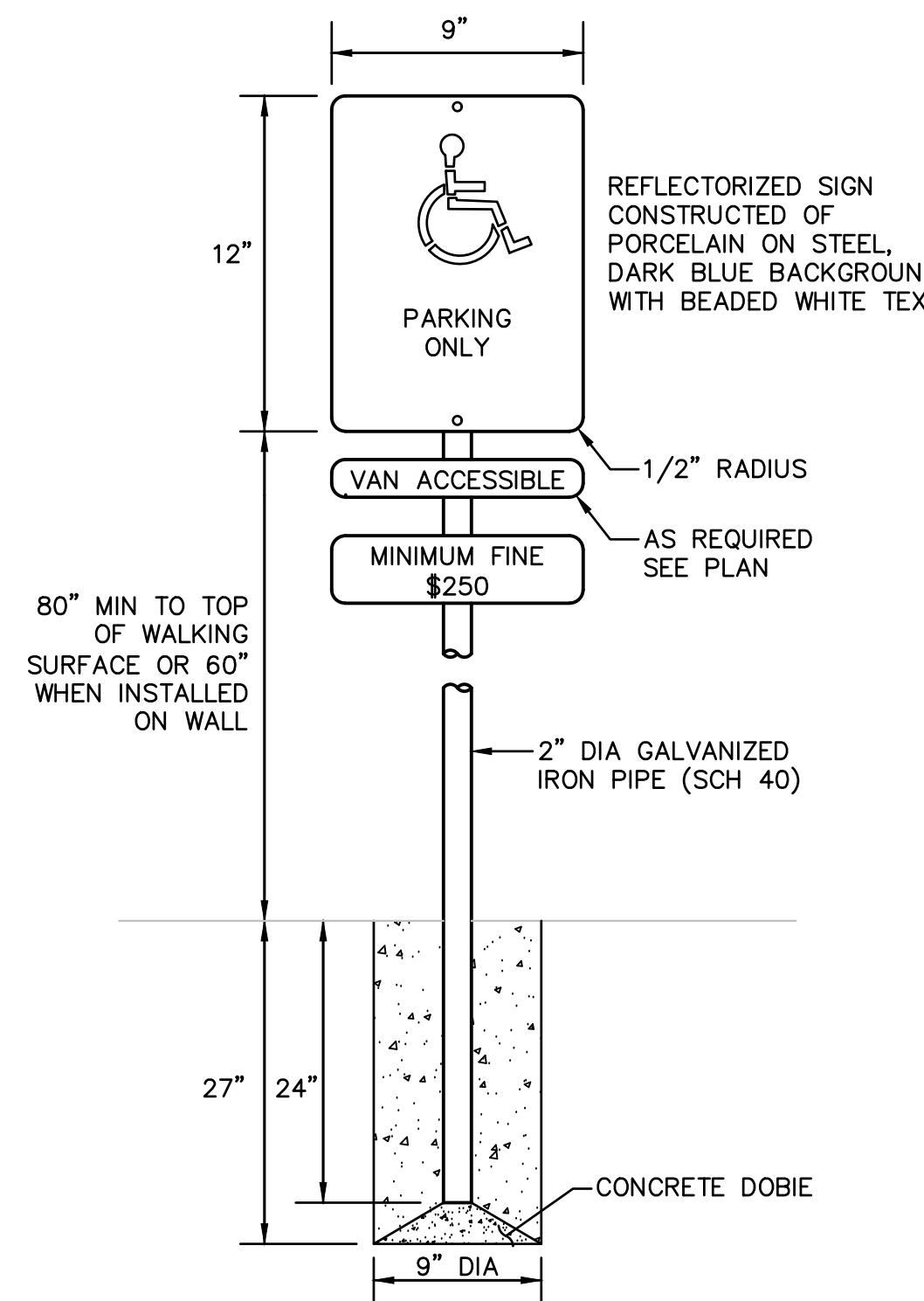
- NOTES:**
- DETECTABLE WARNING SURFACE SHALL MEET SPECIFICATIONS PER CBC 11B-705.1
 - TRUNCATED DOMES SHALL ALIGN WITH THE RAMP IN THE DIRECTION OF TRAVEL.
 - AT CURB RAMPS, FRONT EDGE OF DETECTABLE WARNING SURFACE SHALL BE BETWEEN 6 AND 8 INCHES OF FACE OF CURB.
 - DETECTABLE WARNING SURFACES SHALL BE YELLOW AND APPROXIMATE FS 33538 OF SAE AMS-STD-595A.
 - ADHERE PANEL TO EXISTING SIDEWALK PER MANUFACTURER'S SPECIFICATIONS.

5 DETECTABLE WARNING SURFACE PANEL
NTS



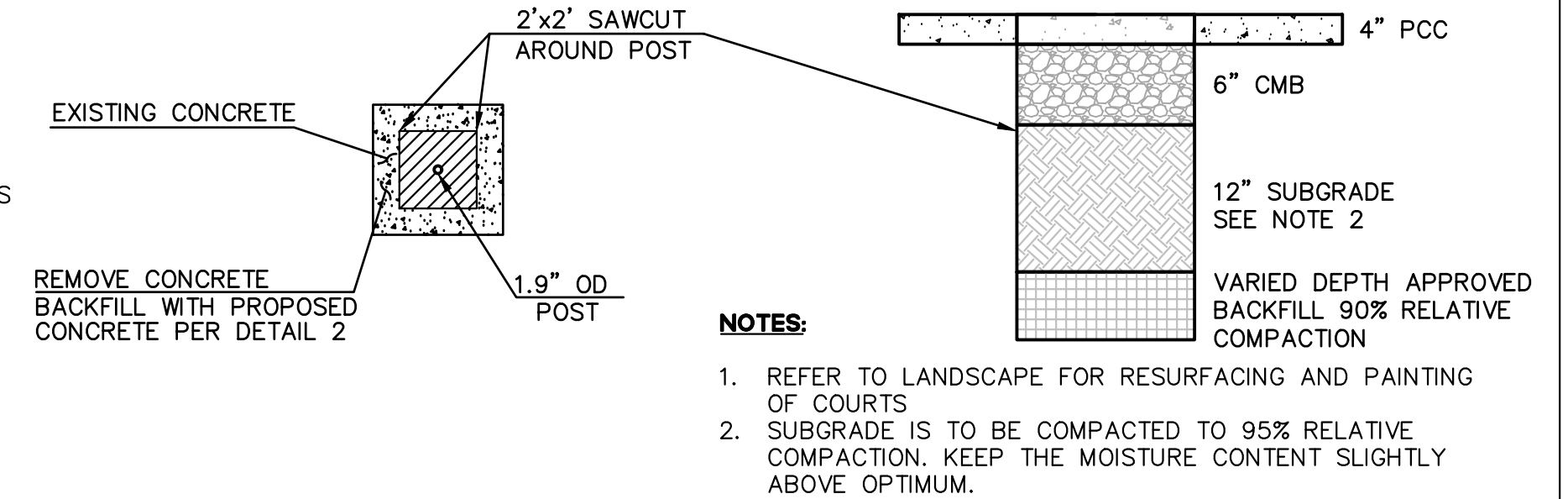
- NOTES:**
- ACCESSIBLE AISLES SHALL BE MARKED WITH A BLUE PAINTED BORDERLINE AROUND THEIR PERIMETER PER CBC 2021 SECTION 11B-502.3.3.
 - THE AREA WITHIN THE BLUE BORDERLINES SHALL BE MARKED IN A COLOR CONTRASTING WITH THAT OF THE AISLE SURFACE, PREFERABLY BLUE OR WHITE PER CBC 2021 SECTION 11B-502.3.3.

4 ACCESSIBLE AISLE
NTS



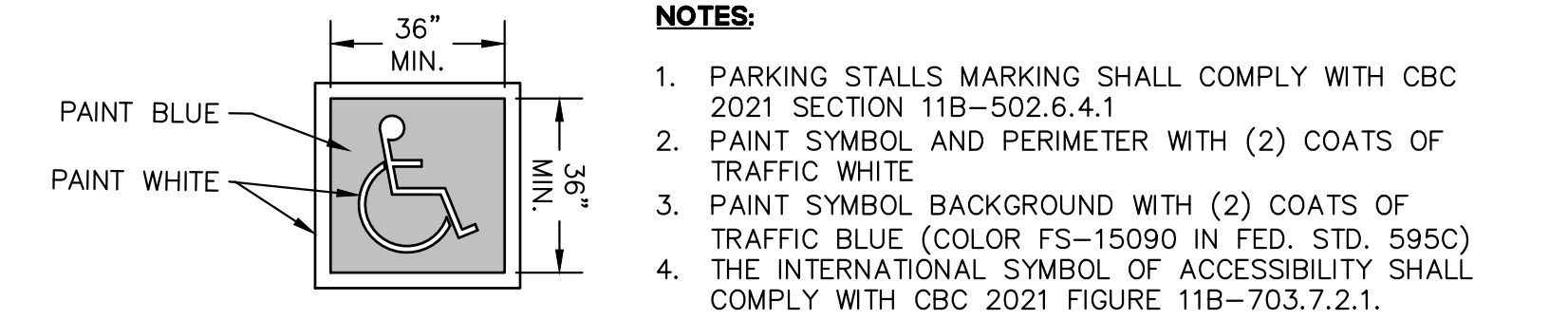
- NOTES:**
- ACCESSIBLE PARKING SIGNS TO COMPLY WITH CBC 2021 SECTIONS 11B-502.6 AND 11B-502.8.

ACCESSIBLE PARKING SIGN
NTS



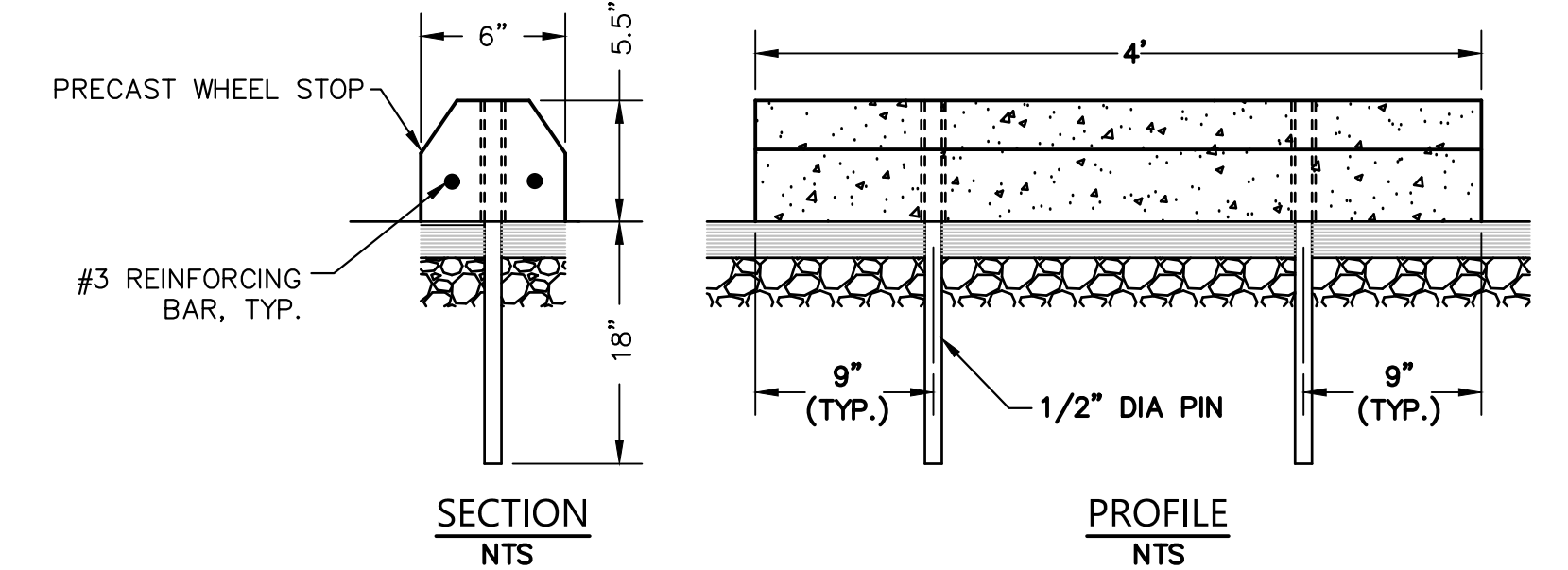
- NOTES:**
- REFER TO LANDSCAPE FOR RESURFACING AND PAINTING OF COURTS
 - SUBGRADE IS TO BE COMPACTED TO 95% RELATIVE COMPACTION. KEEP THE MOISTURE CONTENT SLIGHTLY ABOVE OPTIMUM.

9 TYPICAL POST REMOVAL DETAIL
NTS

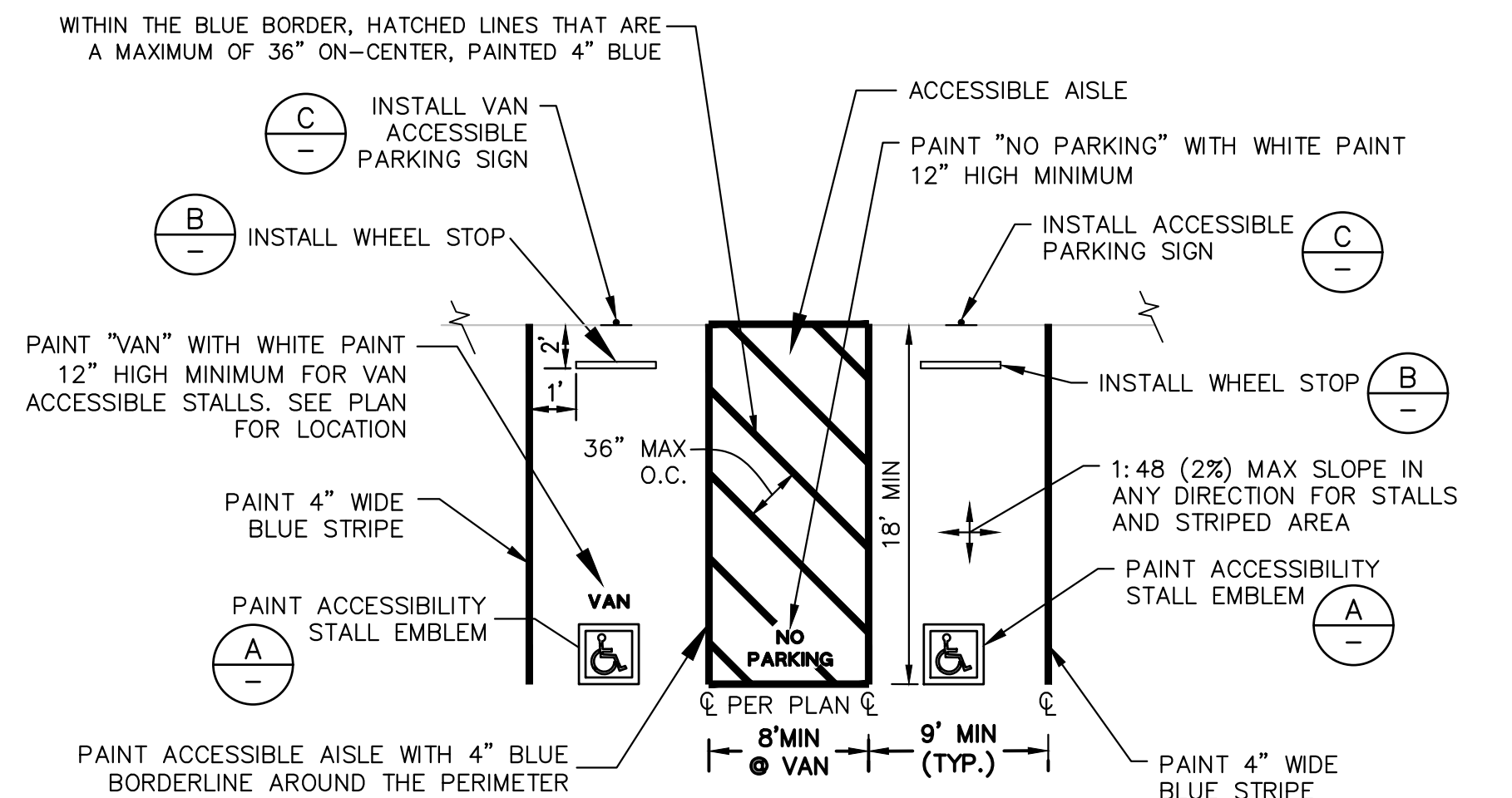


- NOTES:**
- PARKING STALLS MARKING SHALL COMPLY WITH CBC 2021 SECTION 11B-502.6.4.1
 - PAINT SYMBOL AND PERIMETER WITH (2) COATS OF TRAFFIC WHITE
 - PAINT SYMBOL BACKGROUND WITH (2) COATS OF TRAFFIC BLUE (COLOR FS-15090 IN FED. STD. 595C)
 - THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL COMPLY WITH CBC 2021 FIGURE 11B-703.7.2.1.

A INTERNATIONAL SYMBOL OF ACCESSIBILITY STALL EMBLEM
NTS



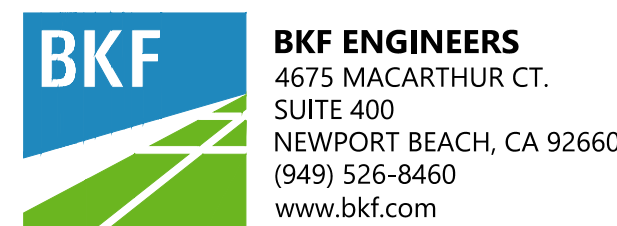
B WHEEL STOP
NTS



- NOTES:**
- ACCESSIBLE AISLES SHALL BE MARKED WITH A BLUE PAINTED BORDERLINE AROUND THEIR PERIMETER PER CBC 2021 SECTION 11B-502.3.3.
 - THE AREA WITHIN THE BLUE BORDERLINES SHALL BE MARKED IN A COLOR CONTRASTING WITH THAT OF THE AISLE SURFACE, PREFERABLY BLUE OR WHITE PER CBC 2021 SECTION 11B-502.3.3.

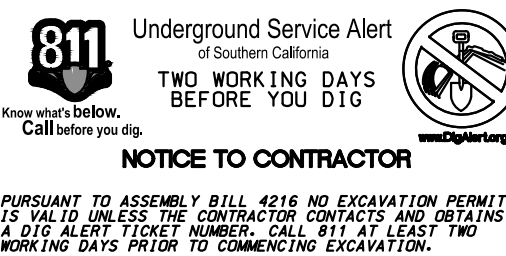
3 ACCESSIBLE PARKING STALLS
NTS

PLANS PREPARED BY:



BRUCE W. KIRBY, RCE LICENSE No. 42393 EXP. 03/31/2026

REVISIONS		
No.	DESCRIPTION	DATE



PUBLIC WORKS
1315 VALLEY DRIVE
HERMOSA BEACH, CA 90254
(310) 318-0214

REVIEWED BY:

Laney Wilson 12/10/24

LANEY WILSON, ASSOCIATE ENGINEER DATE

RECOMMENDED BY:

SAAD MALIM, P.E., SENIOR ENGINEER DATE

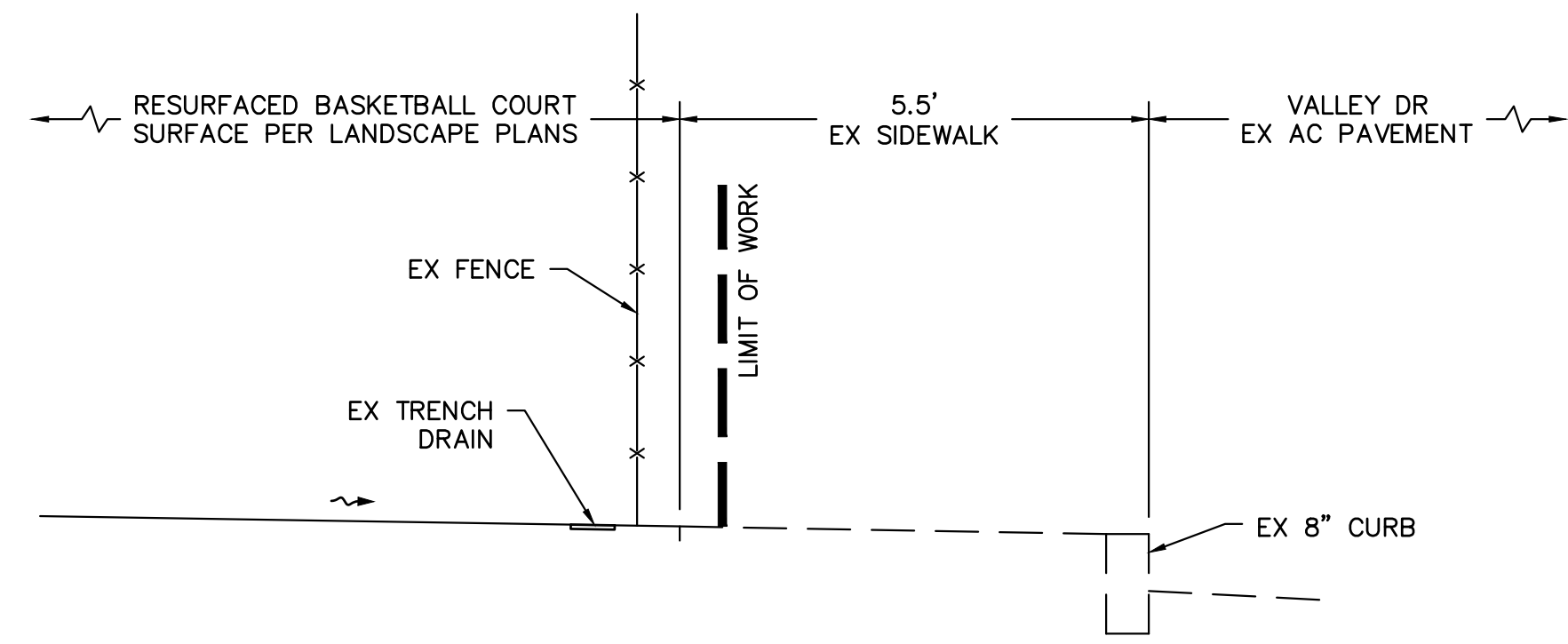
APPROVED BY:
John Oskoui 12/10/24

DATE JOHN OSKOU, P.E., ACTING CITY ENGINEER DATE

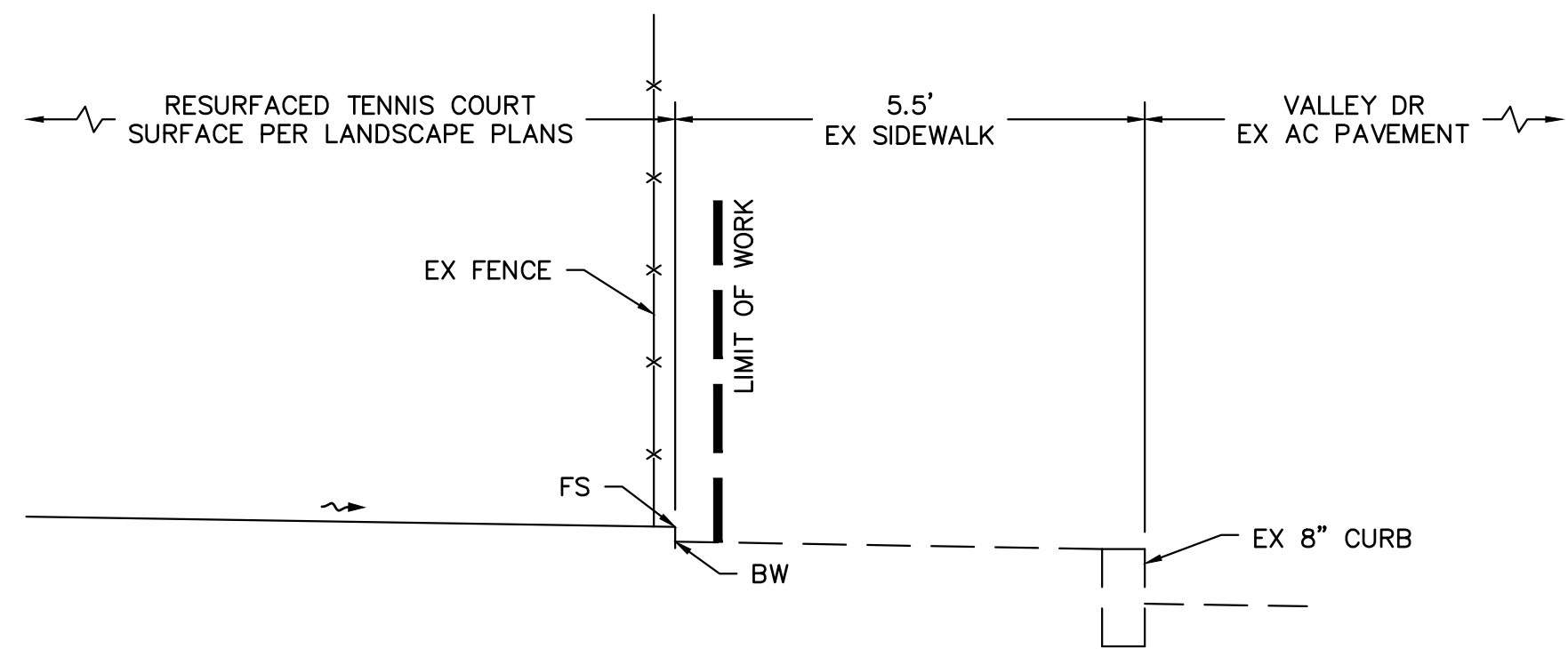
CIP 619
KELLY COURTS RENOVATIONS 23-004

CIVIL DETAILS C-7.2

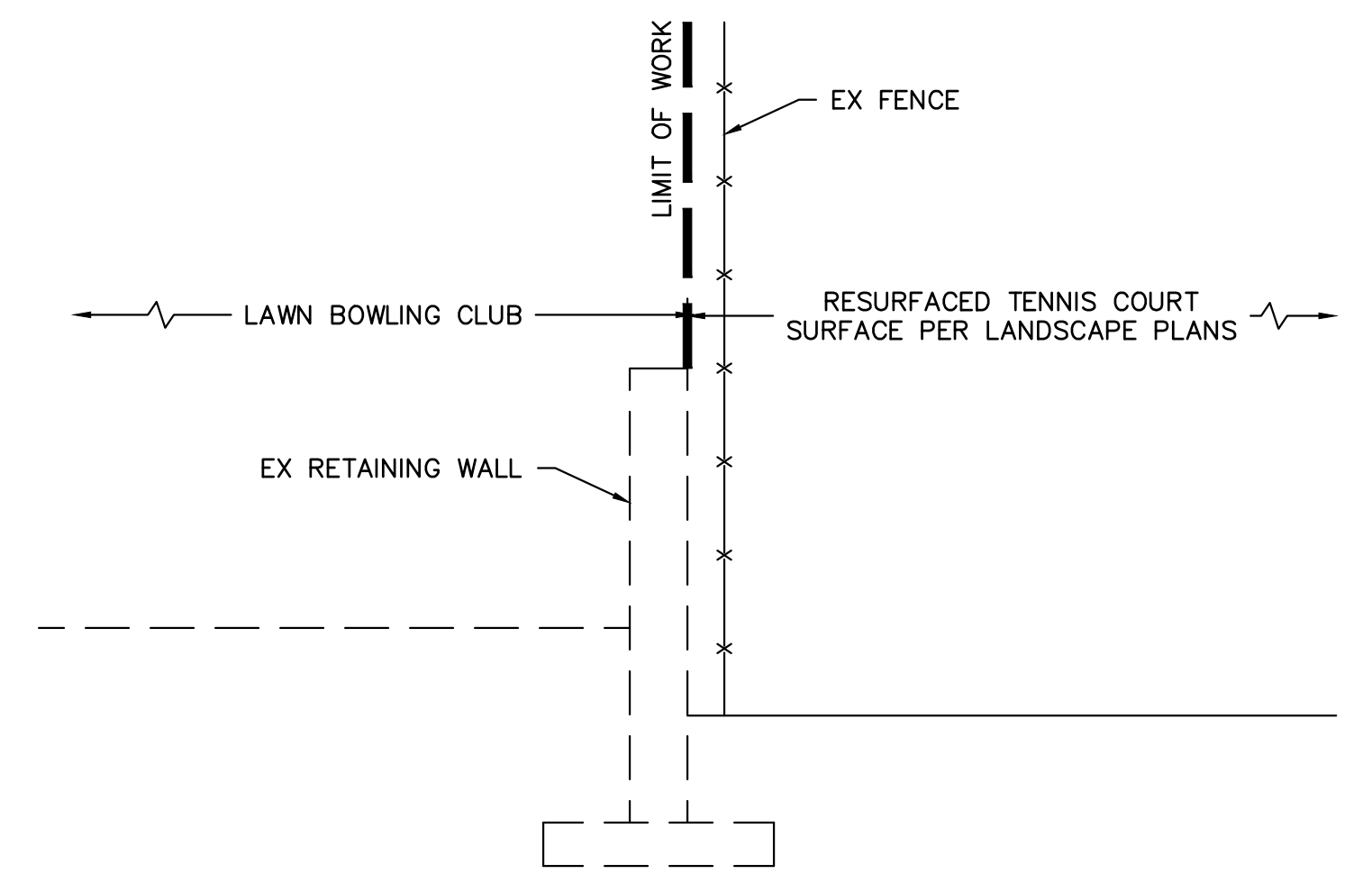
RECOMMENDED BY: SHT. 14 OF 24



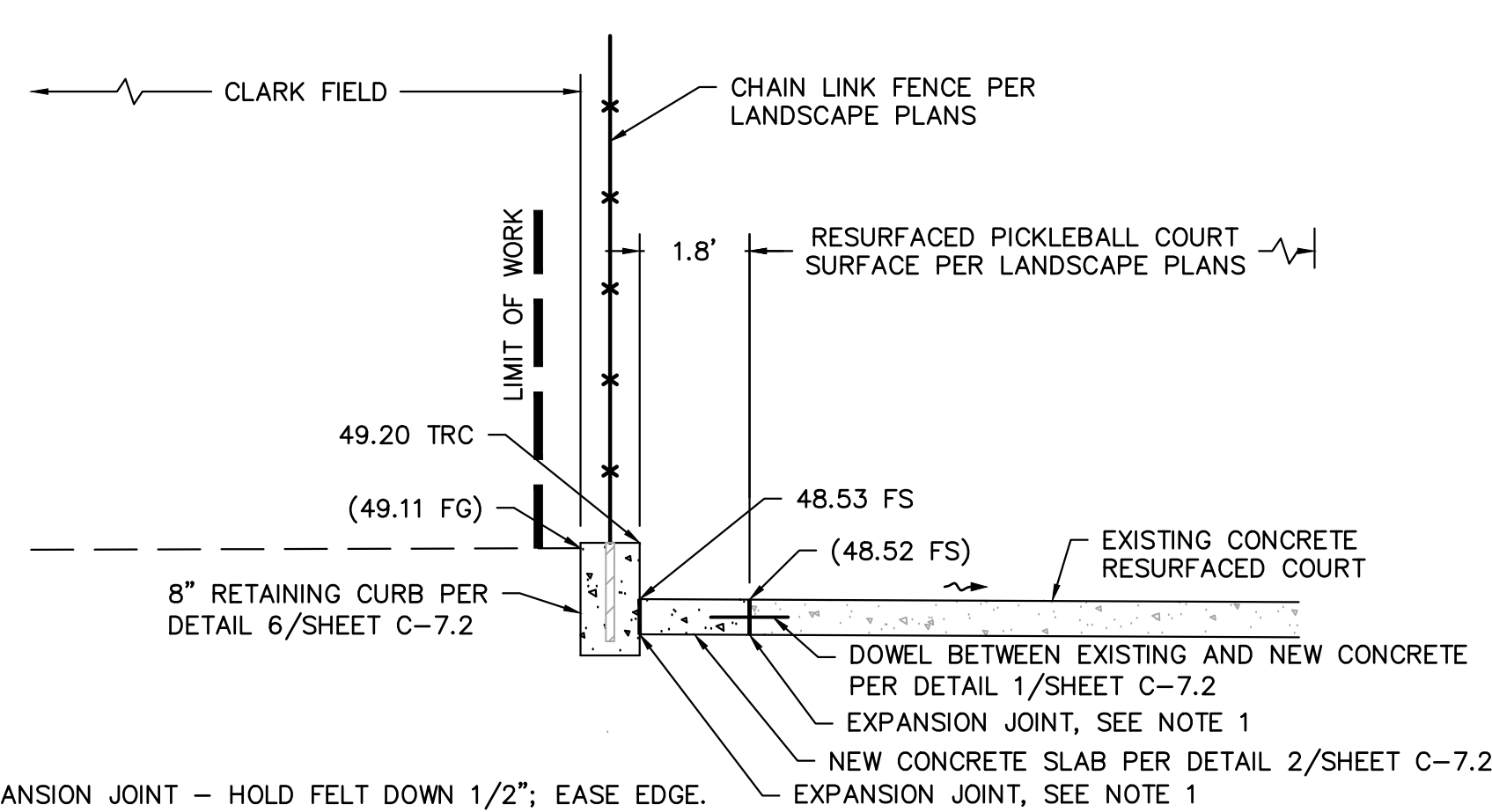
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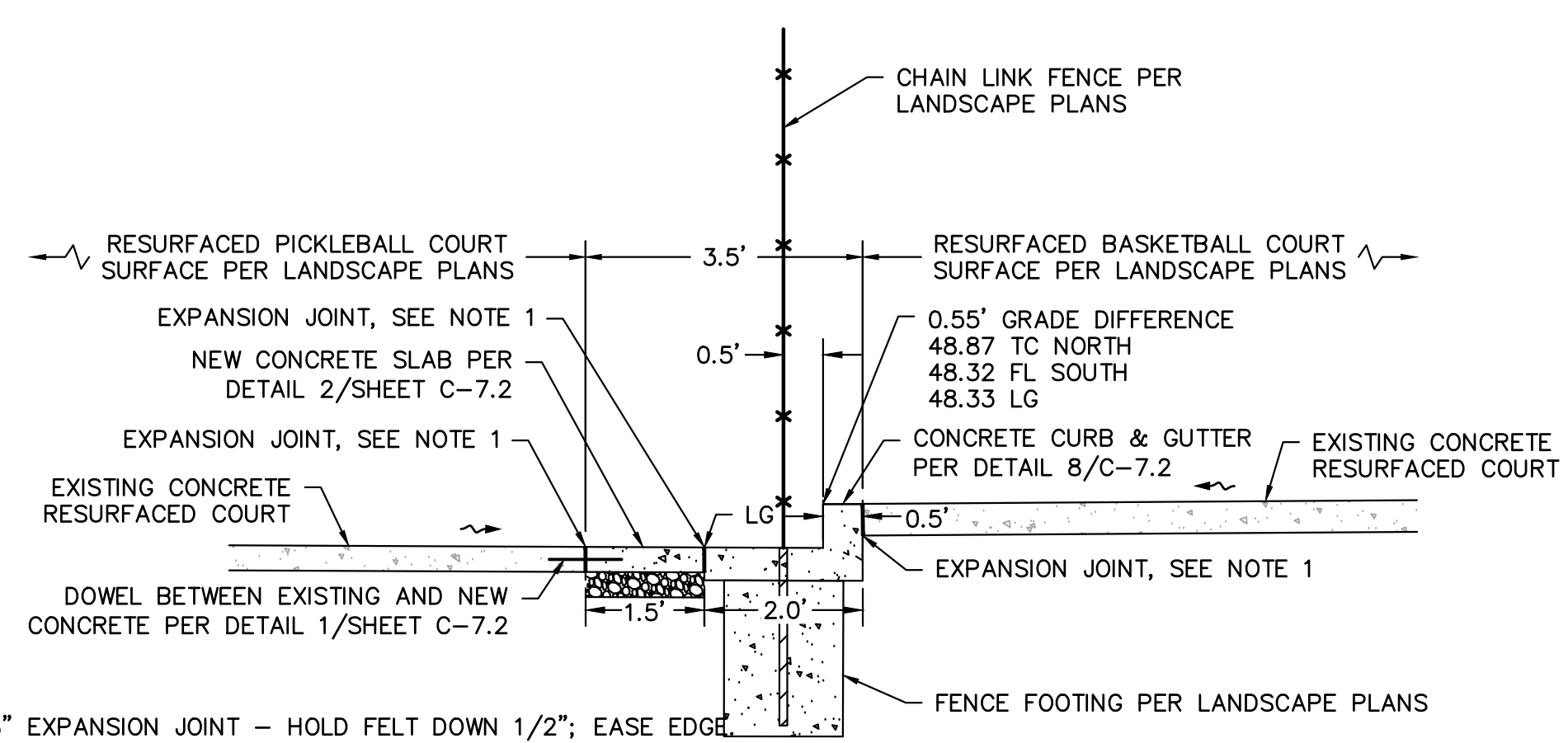
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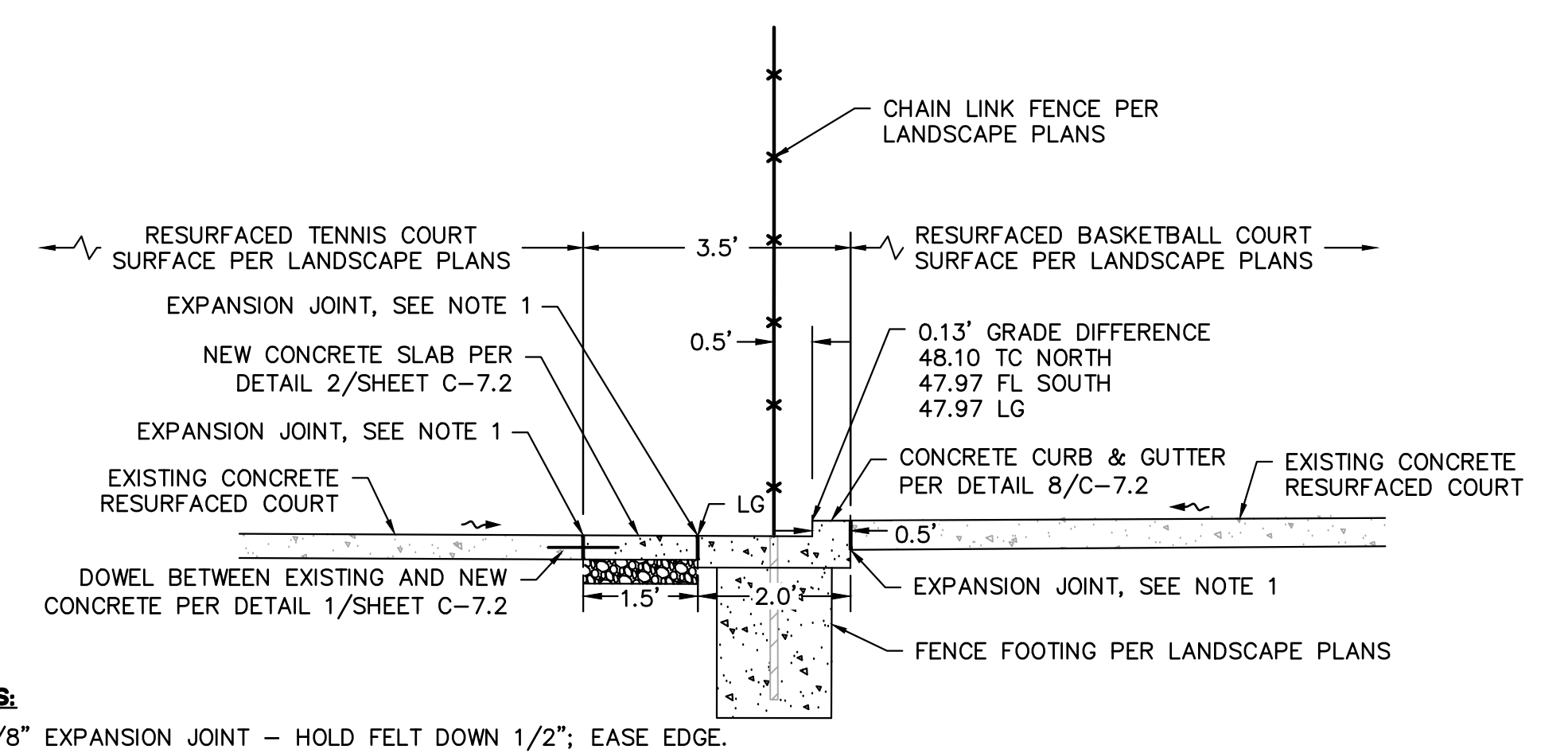
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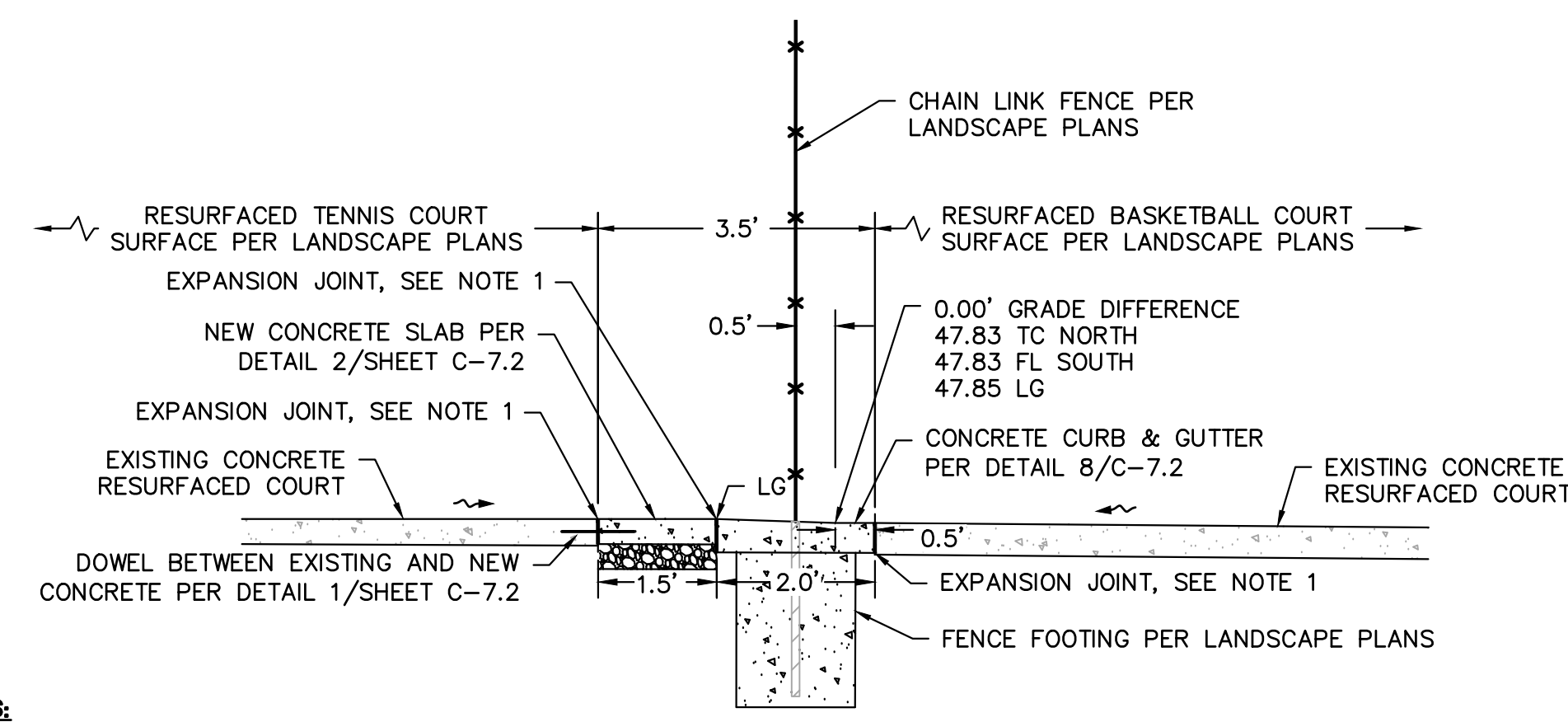
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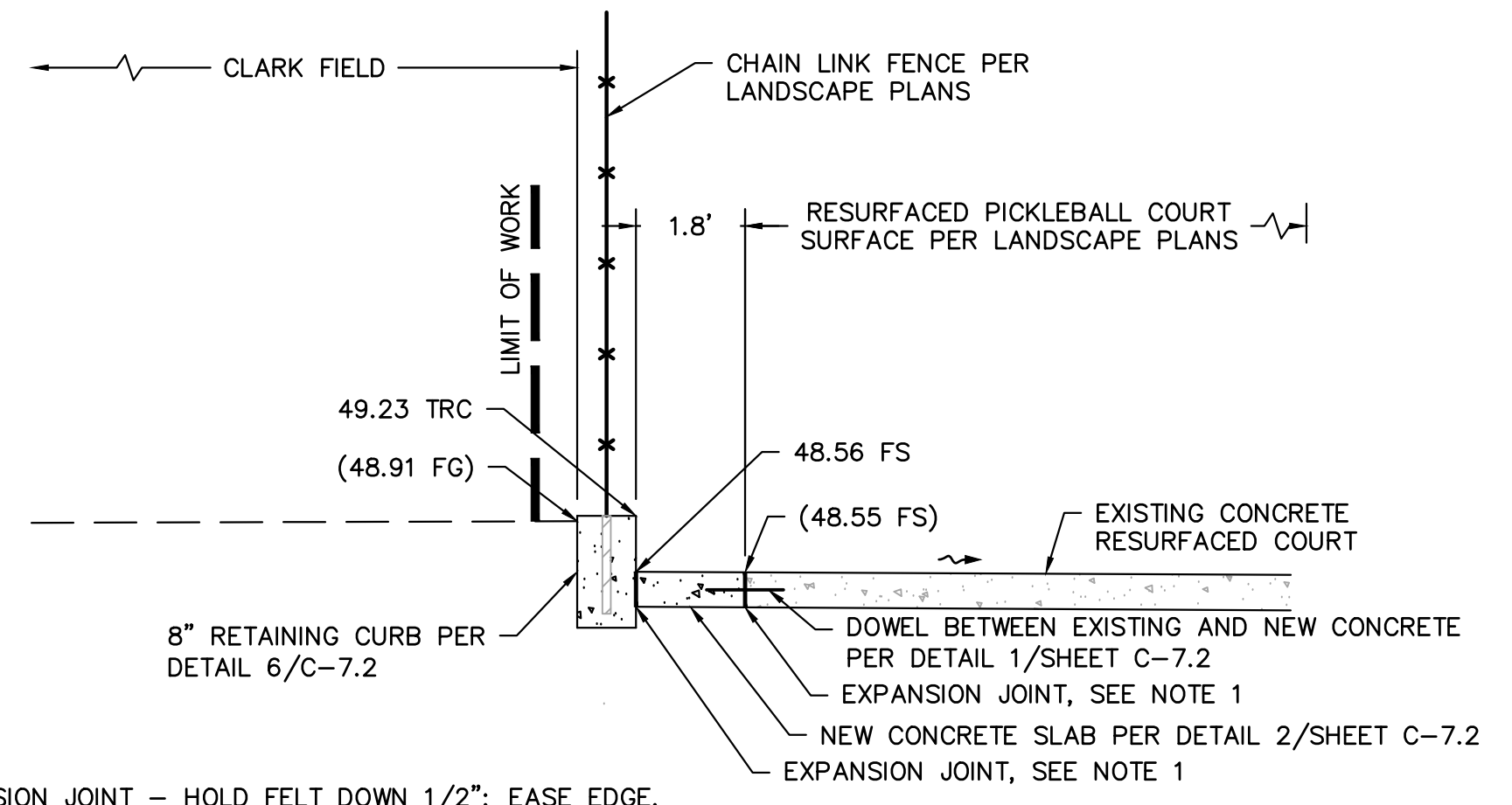
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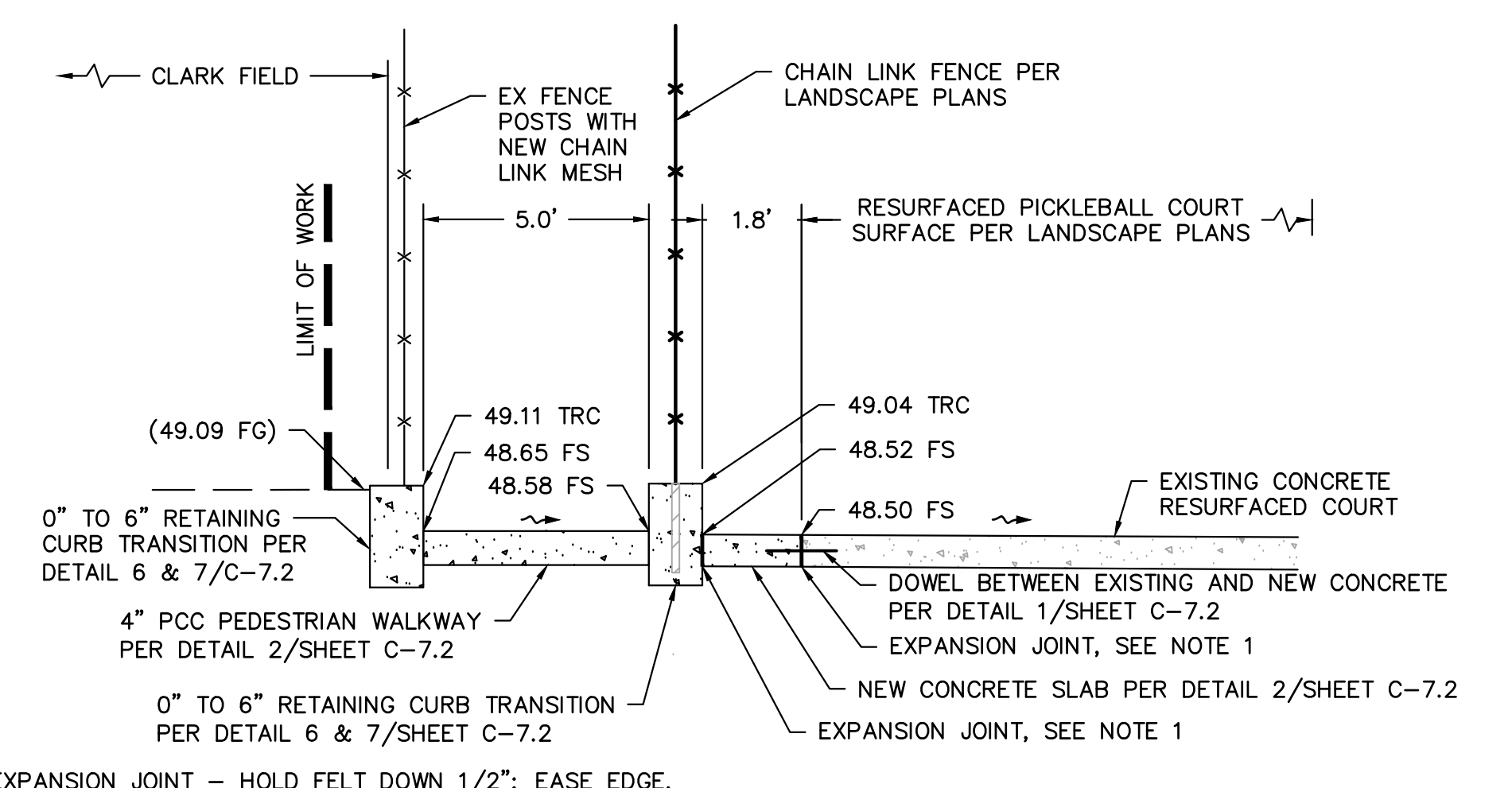
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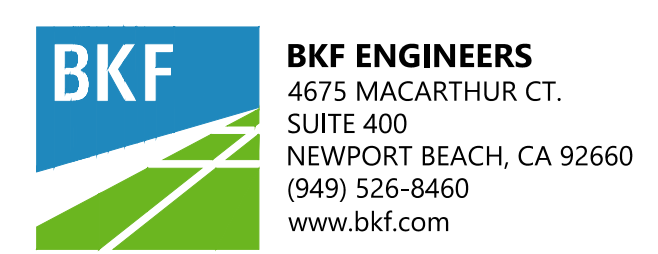
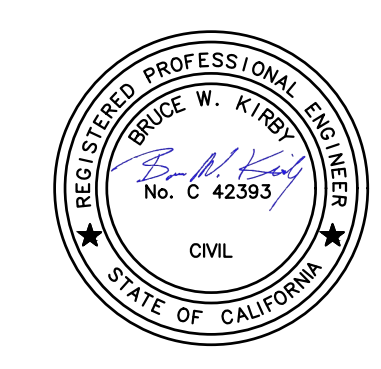


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SECTION H-H
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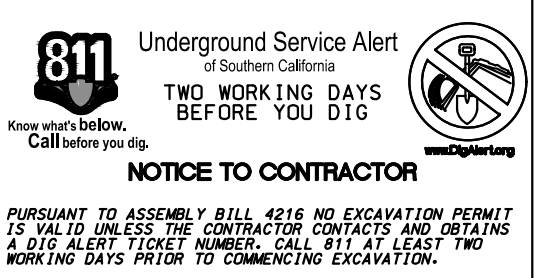


I
SECTION I-I
NTS

PLANS PREPARED BY:



REVISIONS		
No.	DESCRIPTION	DATE



PUBLIC WORKS
1315 VALLEY DRIVE
HERMOSA BEACH, CA 90254
(310) 318-0214

REVIEWED BY:

Laney Wilson 12/10/24
LANEY WILSON, ASSOCIATE ENGINEER DATE

RECOMMENDED BY:

SAAD MALIM, P.E., SENIOR ENGINEER DATE

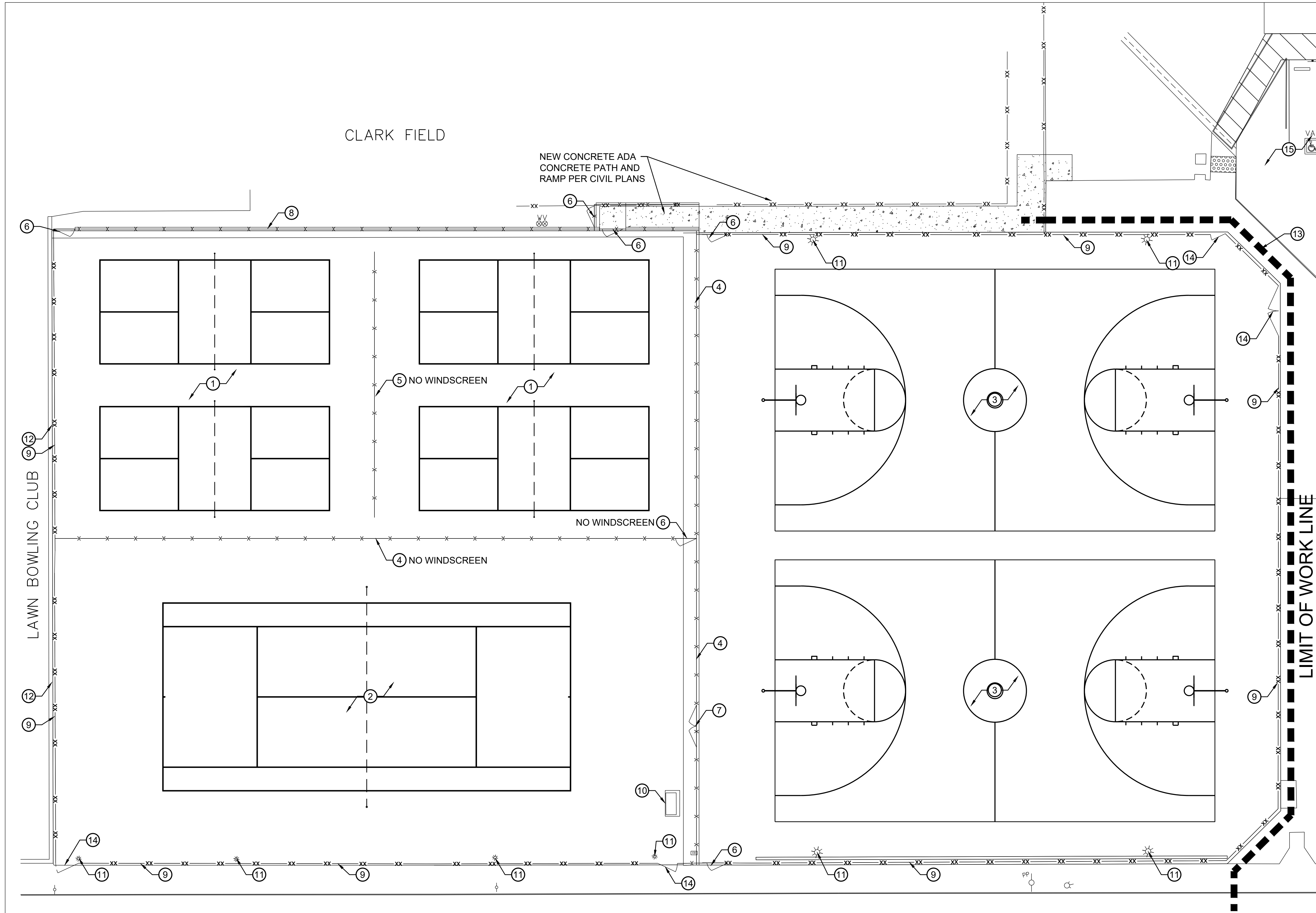
APPROVED BY:
J. Oskoui 12/10/24
JOHN OSKOU, P.E., ACTING CITY ENGINEER DATE

CIP 619
KELLY COURTS RENOVATIONS

PLAN NO.
23-004

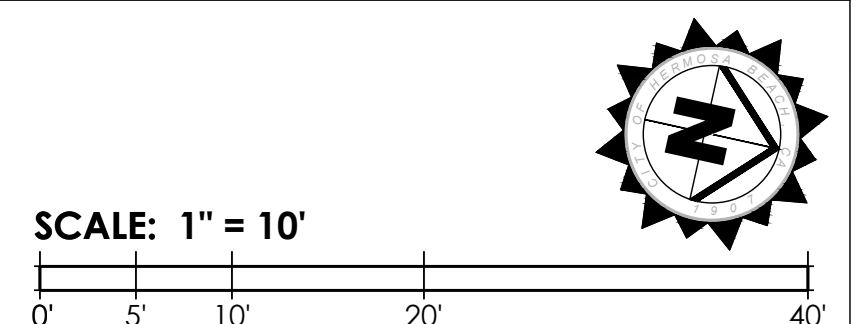
CIVIL SECTIONS







RECOMMENDED BY:
C-7.3
SHT. 15 OF 24



- ### CONSTRUCTION LEGEND
- ① PICKLEBALL COURT - REFER TO DETAIL 2, SHEET LC-3.
 - ② TENNIS COURT - REFER TO DETAIL 1, SHEET LC-2
 - ③ BASKETBALL COURT - REFER TO DETAIL 2, SHEET LC-2
 - ④ 10' HIGH BLACK VINYL COATED CHAINLINK FENCE - REFER TO DETAIL '1', SHEET LC-4
 - ⑤ 4' HIGH BLACK VINYL COATED CHAINLINK FENCE - REFER TO DETAIL '2', SHEET LC-4
 - ⑥ BLACK VINYL COATED CHAINLINK FENCE SINGLE SWING GATE - REFER TO DETAIL 1, SHEET LC-3
 - ⑦ BLACK VINYL COATED CHAINLINK FENCE DOUBLE SWING GATE - REFER TO DETAIL 1, SHEET LC-3
 - ⑧ CURB WITH CHAINLINK FENCE - REFER TO DETAIL '3', SHEET LC-4
 - ⑨ EXISTING CHAINLINK FENCE - POST SHALL REMAIN AND BE PROTECTED, ALL CHAIN LINK FABRIC SHALL BE REMOVED AND DISCARDED IN A LEGAL MANNER, AND NEW BLACK VINYL CHAINLINK FABRIC WITH A WINDSCREEN SHALL BE INSTALLED
 - ⑩ ELECTRICAL ENCLOSURE SHALL REMAIN AND BE PROTECTED
 - ⑪ EXISTING LIGHTS - POST WITHIN PLAYING AREAS SHALL RECEIVE A 6 FOOT TALL SAFETY POLE PAD - SKU: SPP 6FT ROUND - AVAILABLE FROM WILLYGOAT OR APPROVED EQUAL. DIAMETER SHALL BE DETERMINED PER FIELD VERIFICATION. COLOR SHALL BE DETERMINED BY CITY AUTHORIZED REPRESENTATIVE. REFER TO DETAIL 4, SHEET LC-4 FOR SPECIFICATION DETAIL.
 - ⑫ EXISTING WALL TO REMAIN AND BE PROTECTED
 - ⑬ BASKETBALL COURT LIMIT OF WORK
 - ⑭ EXISTING GATE SHALL RECEIVE NEW CHAINLINK VINYL COATED FABRIC AND WINDSCREEN
 - ⑮ ADA PARKING STALLS - REFER TO CIVIL PLANS

- ### CONSTRUCTION NOTES
1. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT FOR THE INSTALLATION OF ALL IMPROVEMENTS AS SHOWN ON THE DRAWINGS AND AS DESCRIBED IN THE SPECIFICATIONS.
 2. CONTRACTOR SHALL REVIEW ALL EXISTING SITE CONDITIONS PRIOR TO SUBMITTING BID AND PRIOR TO COMMENCING INSTALLATION. IF ANY DISCREPANCIES EXIST, THEY SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CITY'S AUTHORIZED REPRESENTATIVE.
 3. DEVIATIONS BETWEEN THE DRAWINGS AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CITY'S AUTHORIZED REPRESENTATIVE.
 4. COSTS INCURRED DUE TO REPAIR, RESTORATION, OR REPLACEMENT OF EXISTING IMPROVEMENTS WHICH ARE DESIGNATED "TO BE PROTECTED" OR "TO REMAIN" WHICH ARE DAMAGED AS A RESULT OF CONSTRUCTION OPERATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 5. UNLESS DESIGNATED ON THE DRAWINGS OTHERWISE, ALL MATERIALS DESIGNATED FOR REMOVAL SHALL BE DISPOSED OF OFF-SITE.
 6. HARDSCAPE AND STRUCTURAL ELEMENTS SHALL BE PLACED PER GEOTECHNICAL SOILS REPORT. IF SUCH REPORT IS UNAVAILABLE, CONTRACTOR SHALL DISCUSS PLACEMENT ON SUITABLE GRADE WITH THE CITY'S AUTHORIZED REPRESENTATIVE.
 7. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND STAKING ALL SEWER, WATER AND UTILITY LINES ABOVE OR BELOW GRADE THAT MIGHT BE DAMAGED AS A RESULT OF CONSTRUCTION OPERATIONS. CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR ANY COST INCURRED FOR REPAIR, RESTORATION, OR REPLACEMENT OF AFOREMENTIONED UTILITIES DAMAGED AS A RESULT OF CONSTRUCTION OPERATIONS.
 8. ABANDONED PIPES SHALL BE CAPPED OR PLUGGED IN A MANNER APPROVED BY THE CITY'S AUTHORIZED REPRESENTATIVE.
 9. CONCRETE INDICATED FOR SAWCUTTING AND REMOVAL SHALL BE CUT TO A TRUE LINE WITH NEATLY SAWEED EDGES. IF A SAWCUT IS WITHIN THREE FEET (3') OF AN EXISTING EXPANSION OR CONTROL JOINT, CONCRETE SHALL BE REMOVED TO THAT NEAREST JOINT.
 10. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, MANUFACTURER'S CUT OR DATA SHEETS FOR APPROVAL PRIOR TO ORDERING MATERIALS. CONTRACTOR SHALL FURNISH TO THE CITY'S AUTHORIZED REPRESENTATIVE A CERTIFICATE OF COMPLIANCE FOR SUCH FURNISHED MATERIALS.
 11. UNLESS DESIGNATED ON THE DRAWINGS OTHERWISE, MATERIALS TO BE PURCHASED AND FURNISHED BY THE CONTRACTOR SHALL BE NEW.
 12. RECOMMENDATIONS BY A STRUCTURAL ENGINEER SHALL TAKE PRECEDENCE FOR ALL SOIL CONDITIONS, MATERIALS, REINFORCEMENT, DIMENSIONS, AND SUBBASE.
 13. ALL VINYL COATED CHAINLINK FENCE AND GATES SHALL RECEIVE A WINDSCREEN EXCEPT WHERE NOTED ON PLAN.



PLANS PREPARED BY:  PERRY A. CARDOZA, RLA LICENSE No. 3943 DATE	 nuvis LANDSCAPE ARCHITECTURE 20250 SW ACACIA ST, STE 260 NEWPORT BEACH, CA U. S. A. 92660 PH: 714.754.7311	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">REVISIONS</th> </tr> <tr> <th>No.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	REVISIONS			No.	DESCRIPTION	DATE										 Underground Service Alert of Southern California TWO WORKING DAYS BEFORE YOU DIG www.811.com Call before you dig. NOTICE TO CONTRACTOR <small>PURSUANT TO ASSEMBLY BILL 680 AN EXCAVATION PERMIT IS VALID UNLESS THE CONTRACTOR CONTACTS AND OBTAINS A DIG ALERT TICKET NUMBER. CALL 811 AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING EXCAVATION.</small>	 CITY OF HERMOSA BEACH PUBLIC WORKS 1315 VALLEY DRIVE HERMOSA BEACH, CA 90254 (310) 318-0214	REVIEWED BY:  LANEY WILSON, ASSOCIATE ENGINEER DATE 12/10/24	RECOMMENDED BY: SAAD MALIM, P.E., SENIOR ENGINEER DATE APPROVED BY:  JOHN OSKOU, P.E., ACTING CITY ENGINEER DATE 12/10/24	CIP 619 KELLY COURTS RENOVATIONS CONSTRUCTION PLAN AND NOTES	PLAN NO. 23-004 RECOMMENDED BY: LC-1 SHT. 16 OF 24
REVISIONS																							
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NOTES:

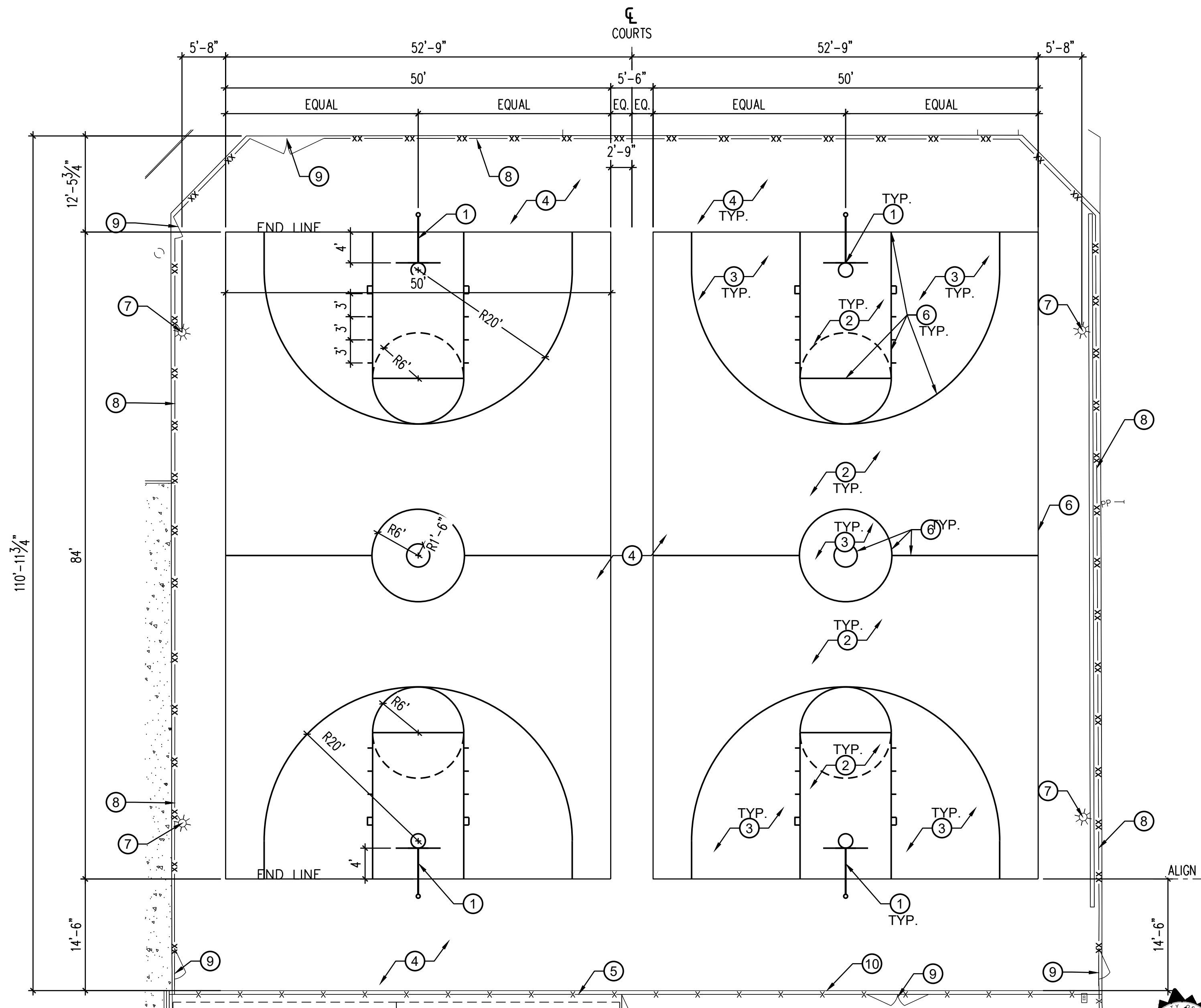
- BASKETBALL BACKBOARD, UPRIGHT, RING & NET SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. EQUIPMENT AVAILABLE FROM COAST RECREATION, INC, 714-619-0100 OR AN APPROVED EQUAL
- CONTRACTOR SHALL USE SPORTMASTER OR APPROVED EQUAL COLOR COATING SYSTEM TO FILL/PATCH CRACKS, RESURFACE, AND PAINT BASKETBALL COURTS.
- CONTRACTOR SHALL PAINT COURT AS SHOWN USING 'SPORTMASTER' PAINT OR APPROVED EQUAL. COLOR OF PAINT SHALL BE FOREST GREEN AND BLUE. REFER TO PLAN FOR LOCATIONS OF EACH.
- CONTRACTOR SHALL PAINT LINES WITH 'TEXTURED' WHITE LINE PAINT.
- PAINTS ARE AVAILABLE FROM SPORT MASTER SPORT SURFACES 800-395-7325 OR AN APPROVED EQUAL.
- CONTRACTOR SHALL PROVIDE COLOR SAMPLES TO ENGINEER FOR REVIEW & APPROVAL PRIOR TO CONSTRUCTION. ALL WORK PERTAINING TO PAINTING SHALL BE PER MANUFACTURER'S SPECIFICATIONS.
- ALL EXISTING CONCRETE PAVING SHALL BE RESURFACED AND ALL CRACKS SHALL BE FILLED/PATCHED PER SPECIFICATIONS. NO PAINT SHALL BE ADDED TO EXISTING CONCRETE OUTSIDE OF BASKETBALL PLAYING SURFACE. BASKETBALL PLAYING SURFACE SHALL RECEIVE PAINT PER PLAN.
- EXISTING COURT PAINT AND STRIPING SHALL BE STRIPPED WITH A SANDING/GRINDING OR HYDROBLASTING METHOD. DIMENSIONS AND COLOR NOTED ON EACH COURT ARE A MIRROR IMAGE OF EACH OTHER.
- EQ. DENOTES EQUAL. CL DENOTES CENTER LINE. TYP DENOTES TYPICAL
- COURTS ARE DRAWN TO BE HIGH SCHOOL STANDARD, IF ANY DISCREPANCIES SHOULD ARISE, FOLLOW HIGH SCHOOL BASKETBALL STANDARDS DIMENSIONS.
- EXISTING BACKBOARD UPRIGHTS AND FOOTINGS SHALL BE REMOVED AS PART OF THE DEMOLITION PROCESS. CONTRACTOR SHALL BACKFILL AND COMPACT THE VOID TO 95% WITH STRUCTURAL SOIL AND FINISH TO SURFACE PER DETAIL 2, SHEET C-7.2.
- CONTRACTOR SHALL PROVIDED LAYOUT DIMENSIONS TO CITY AUTHORIZED REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

- BISON, BASKETBALL PACKAGE MODEL# PR75 OR APPROVED EQUAL, INSTALL PER MANUFACTURER SPECS, DETAIL, AND GUIDELINES. PACKAGE INCLUDES POLE, BACKBOARD, RIM, BASKETBALL NET SHALL BE MODEL BA 50, PREMIUM STEEL PLAYGROUND SAFETY NET. POLE SHALL RECEIVE POLE PADDING MODEL # BA700PP COLOR SHALL BE DETERMINED BY CITY REPRESENTATIVE.
- CONCRETE PAVING PAINT COLOR SHALL BE: FOREST GREEN
- CONCRETE PAVING PAINT COLOR SHALL BE: BLUE
- EXISTING CONCRETE PAVING- REFER TO NOTES
- PROPOSED 10' HIGH CHAINLINK FENCE - REFER TO DETAIL '1', SHEET LC-4
- 'TEXTURED' WHITE LINE PAINT REFER TO NOTES AND SPECIFICATIONS
- LIGHT POLES SHALL REMAIN AND BE PROTECTED. ALL LIGHT POLES WITHIN THE BASKETBALL AREA SHALL RECEIVE A PROTECTIVE PAD PER LANDSCAPE CONSTRUCTION PLAN SHEET LC-1.
- FENCE PER LANDSCAPE CONSTRUCTION PLAN SHEET LC-1.
- GATE PER LANDSCAPE CONSTRUCTION PLAN SHEET LC-1.
- EXPANSION JOINT PER CIVIL PLANS

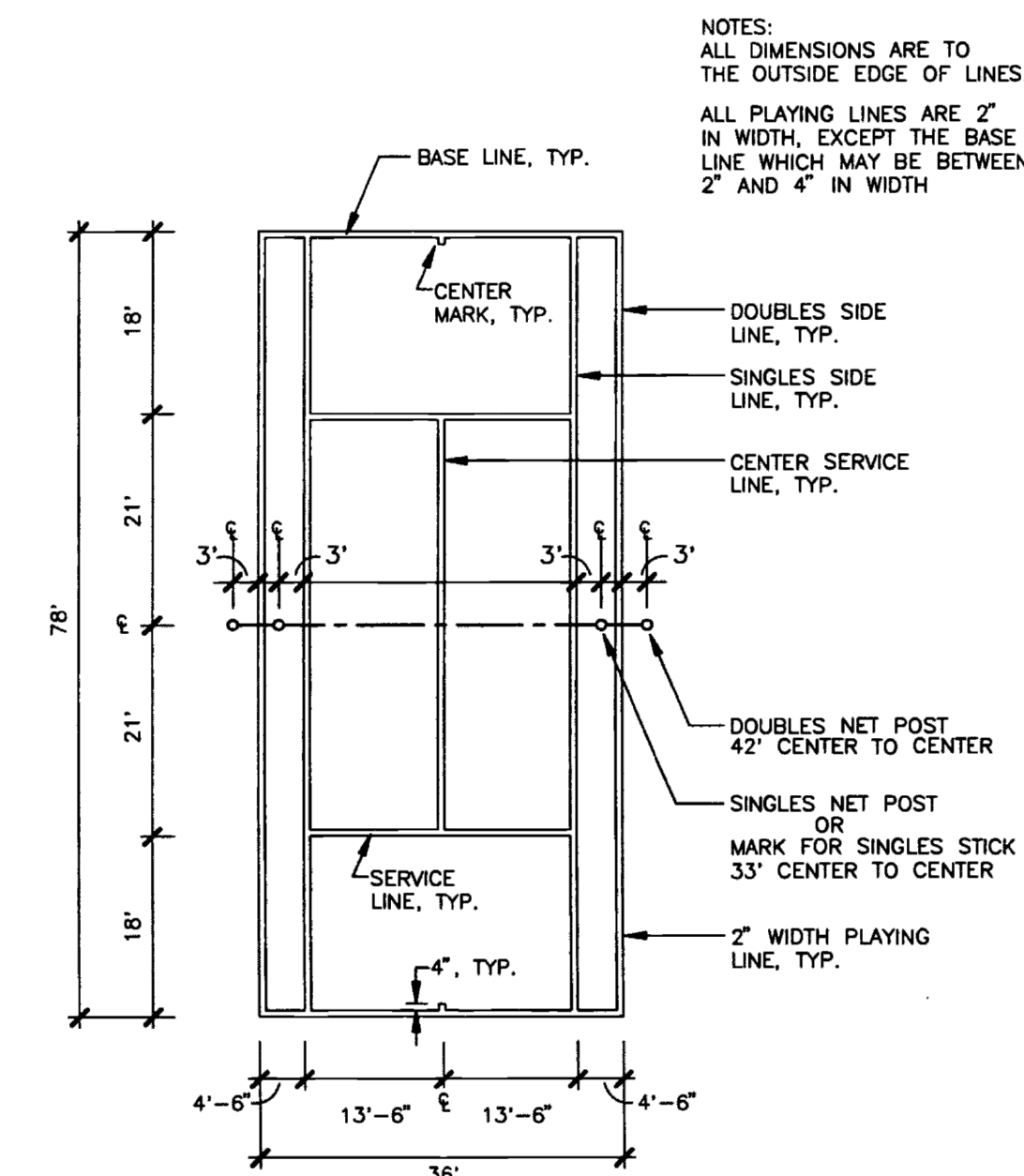
NOTES:

- CONCRETE COLOR SHALL BE AS NOTED.
- TENNIS POST, NET, AND CENTER STRAP ANCHOR SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
- CONTRACTOR SHALL USE SPORTMASTER OR APPROVED EQUAL COLOR COATING SYSTEM TO FILL/PATCH CRACKS, RESURFACE, AND PAINT TENNIS COURTS.
- CONTRACTOR SHALL PAINT COURT AS SHOWN USING 'SPORTMASTER' PAINT OR APPROVED EQUAL. COLOR OF PAINT SHALL BE FOREST GREEN AND BLUE. REFER TO PLAN FOR LOCATIONS OF EACH.
- CONTRACTOR SHALL PAINT LINES WITH 'TEXTURED' WHITE LINE PAINT.
- PAINTS ARE AVAILABLE FROM SPORT MASTER SPORT SURFACES 800-395-7325 OR AN APPROVED EQUAL.
- CONTRACTOR SHALL PROVIDE COLOR SAMPLES TO ENGINEER FOR REVIEW & APPROVAL PRIOR TO CONSTRUCTION. ALL WORK PERTAINING TO PAINTING SHALL BE PER MANUFACTURER'S SPECIFICATIONS.
- EXISTING COURT PAINT AND STRIPING SHALL BE STRIPPED WITH A SANDING/GRINDING OR HYDROBLASTING METHOD.
- TENNIS COURT SHALL BE CONSTRUCTED FOR A DOUBLES AND SINGLES COURT.
- EXISTING TENNIS COURT POST, ANCHORS AND FOOTINGS SHALL BE REMOVED AS PART OF THE DEMOLITION PROCESS. CONTRACTOR SHALL BACKFILL AND COMPACT THE VOID TO 95% WITH STRUCTURAL SOIL AND FINISH TO SURFACE PER DETAIL 2, SHEET C-7.2.
- CONTRACTOR SHALL PROVIDED LAYOUT DIMENSIONS TO CITY AUTHORIZED REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

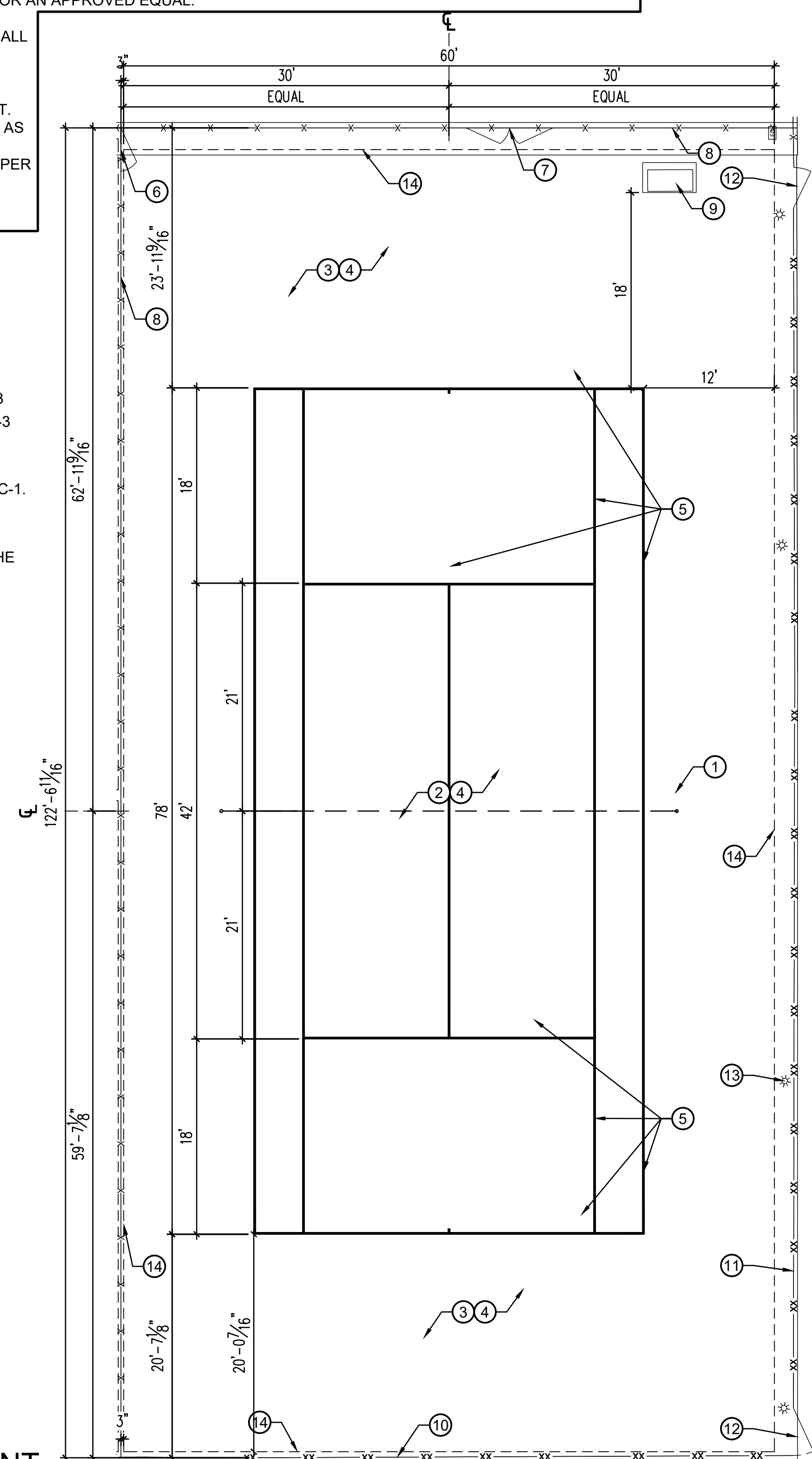
- BISON MODEL # TN10 - TENNIS SYSTEM - INCLUDES NET, POSTS, CENTER STRAP AND ANCHOR INSTALL PER MANUFACTURER DETAILS
- CONCRETE PAVING PAINT COLOR SHALL BE: FOREST GREEN
- CONCRETE PAVING PAINT COLOR SHALL BE: BLUE
- EXISTING CONCRETE PAVING- REFER TO NOTES
- 'TEXTURED' WHITE LINE PAINT- REFER TO TENNIS COURT PLAYING LINE LAYOUT PLAN BELOW
- PROPOSED CHAINLINK FENCE SINGLE GATE - REFER TO DETAIL '1', SHEET LC-3
- PROPOSED CHAINLINK FENCE DOUBLE GATE - REFER TO DETAIL '1', SHEET LC-3
- PROPOSED 10' HIGH CHAINLINK FENCE - REFER TO DETAIL '1', SHEET LC-4
- ELECTRICAL CABINET TO REMAIN AND BE PROTECTED
- CHAINLINK FENCE AND WALL PER LANDSCAPE CONSTRUCTION PLAN SHEET LC-1.
- CHAINLINK FENCE PER LANDSCAPE CONSTRUCTION PLAN SHEET LC-1.
- GATE PER LANDSCAPE CONSTRUCTION PLAN SHEET LC-1.
- LIGHT POLES SHALL REMAIN AND BE PROTECTED. ALL LIGHT POLES WITHIN THE BASKETBALL AREA SHALL RECEIVE A PROTECTIVE PAD PER LANDSCAPE CONSTRUCTION PLAN SHEET LC-1.
- REFERENCE LINE ONLY - COURT PLAY AREAS



2 BASKETBALL COURT ENLARGEMENT
SCALE: NTS



1 TENNIS COURT LAYOUT ENLARGEMENT
SCALE: NTS

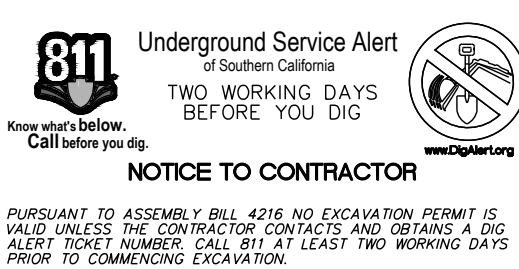


PLANS PREPARED BY:



nuvis
LANDSCAPE ARCHITECTURE
20250 SW ACACIA ST, STE 260
NEWPORT BEACH, CA
U. S. A. 92660
PH: 714.754.7311

REVISIONS		
No.	DESCRIPTION	DATE



CITY OF HERMOSA BEACH
PUBLIC WORKS
1315 VALLEY DRIVE
HERMOSA BEACH, CA 90254
(310) 318-0214

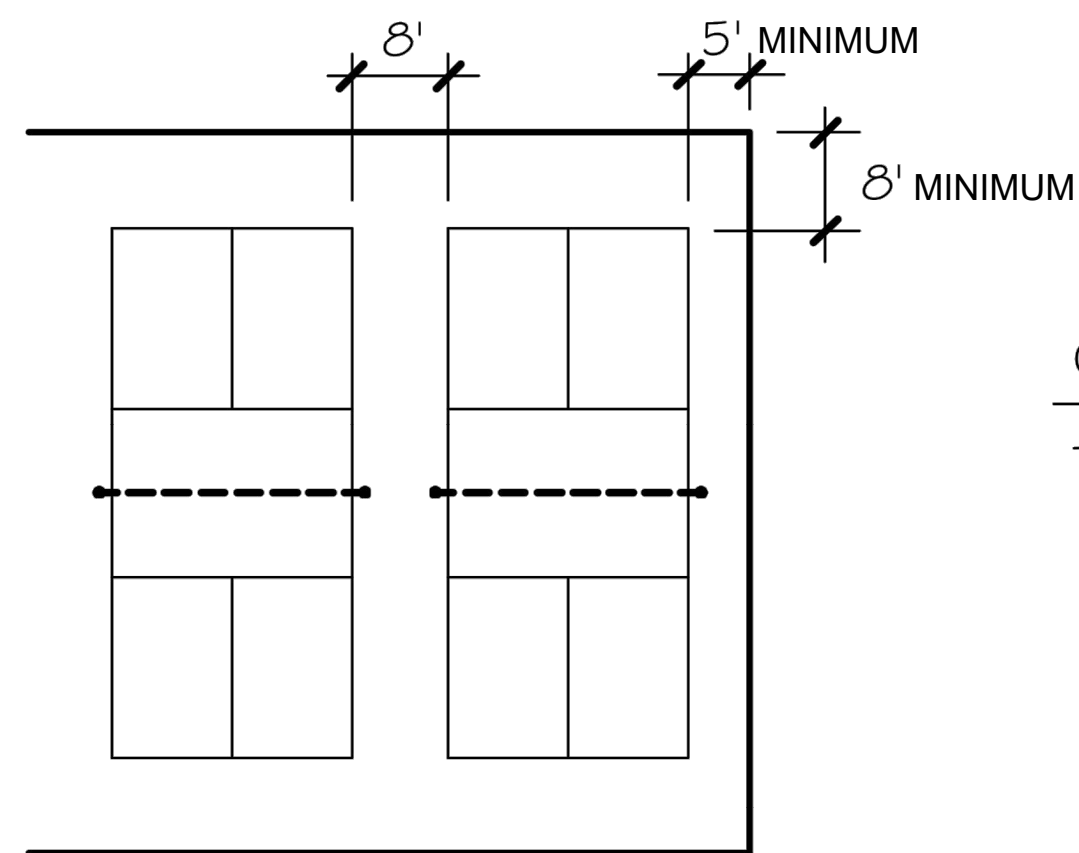
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JOHN OSKOU, P.E., ACTING CITY ENGINEER
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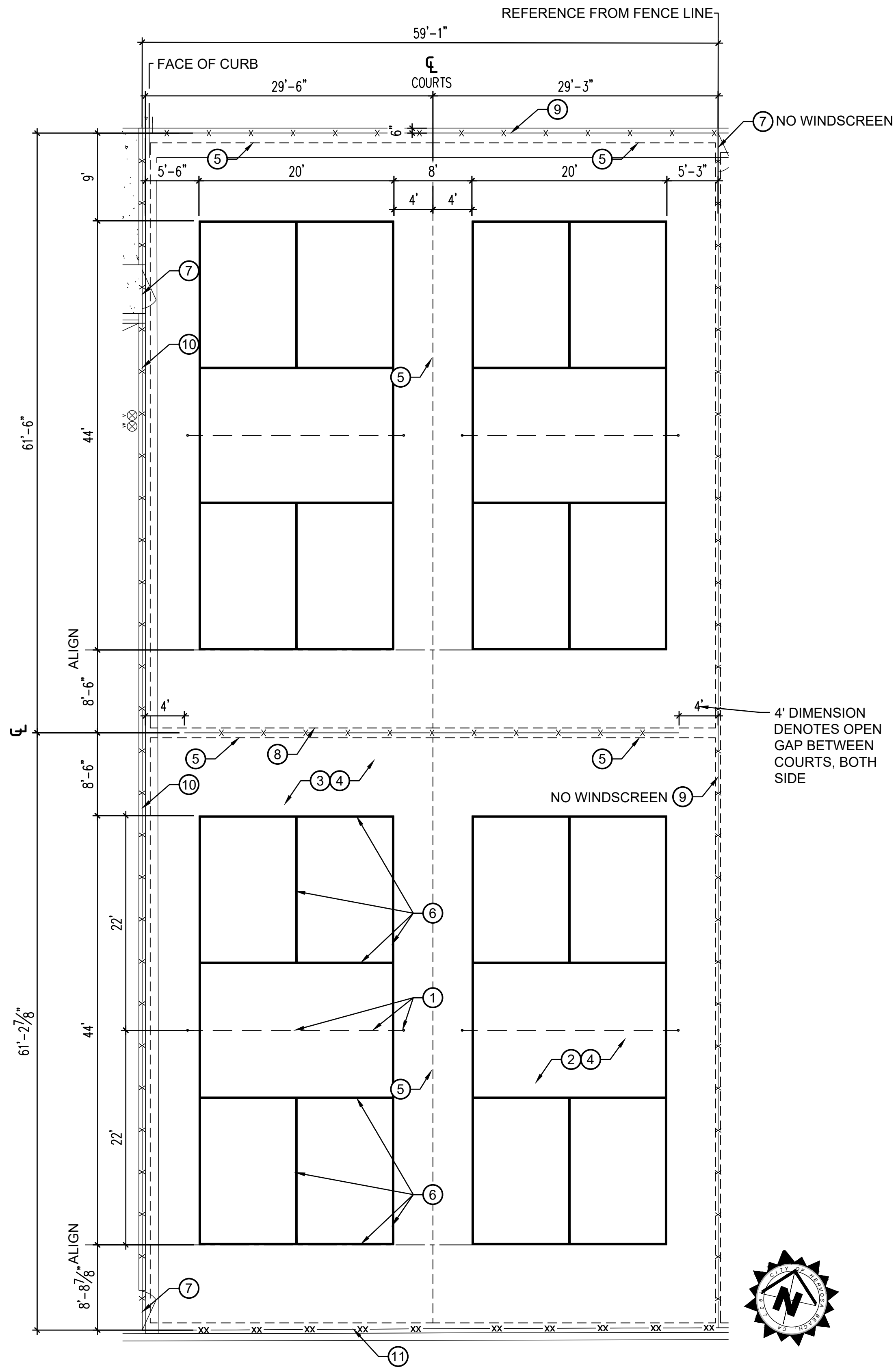
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LANDSCAPE DETAILS
PLAN NO. 23-004
RECOMMENDED BY: LC-2
SHT. 17 OF 24

- NOTES:
- CONCRETE COLOR SHALL BE AS NOTED.
 - PICKLEBALL POST, NET, AND CENTER STRAP ANCHOR SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
 - CONTRACTOR SHALL USE SPORTMASTER OR APPROVED EQUAL. COLOR COATING SYSTEM TO FILL/PATCH CRACKS, RESURFACE, AND PAINT PICKLEBALL COURTS.
 - CONTRACTOR SHALL PAINT COURT AS SHOWN USING 'SPORTMASTER' PAINT OR APPROVED EQUAL. COLOR OF PAINT SHALL BE FOREST GREEN AND BLUE. REFER TO PLAN FOR LOCATIONS OF EACH.
 - CONTRACTOR SHALL PAINT LINES WITH 'TEXTURED' WHITE LINE PAINT.
 - PAINTS ARE AVAILABLE FROM SPORT MASTER SPORT SURFACES 800-395-7325 OR AN APPROVED EQUAL.
 - CONTRACTOR SHALL PROVIDE COLOR SAMPLES TO ENGINEER FOR REVIEW & APPROVAL PRIOR TO CONSTRUCTION. ALL WORK PERTAINING TO PAINTING SHALL BE PER MANUFACTURER'S SPECIFICATIONS.
 - CONTRACTOR TO REPLACE/FILL CONCRETE HOLES FROM DEMOLISHED POLES AND CENTER ANCHOR AND TREAT PER SPORTMASTER SPECIFICATIONS.
 - EXISTING COURT PAINT AND STRIPING SHALL BE STRIPPED WITH A SANDING/GRINDING OR HYDROBLASTING METHOD.
 - REFER TO CONSTRUCTION PLAN FOR DIRECTION PERTAINING TO FENCE AND GATES
 - EXISTING PICKLEBALL COURT POST, ANCHORS AND FOOTINGS SHALL BE REMOVED AS PART OF THE DEMOLITION PROCESS. CONTRACTOR SHALL BACKFILL AND COMPACT THE VOID TO 95% WITH STRUCTURAL SOIL AND FINISH TO SURFACE PER DETAIL 2, SHEET C-7.2 AND SHEET C-7.2.
 - CONTRACTOR SHALL PROVIDE LAYOUT DIMENSIONS TO CITY AUTHORIZED REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
 - EXCEPT WHERE NOTED OTHERWISE, ALL 10' HIGH FENCE SHALL RECEIVE A WINDSCREEN.

- BISON MODEL # PK10XL - PICKLEBALL SYSTEM - INCLUDES NET, POSTS, CENTER STRAP AND ANCHOR
- CONCRETE PAVING PAINT COLOR SHALL BE: FOREST GREEN
- CONCRETE PAVING PAINT COLOR SHALL BE: BLUE
- EXISTING CONCRETE PAVING- REFER TO NOTES
- REFERENCE LINE ONLY- COURT PLAY AREAS
- 'TEXTURED' WHITE LINE PAINT
- CHAINLINK FENCE GATE SINGLE PEDESTRIAN - REFER TO DETAIL '1', THIS SHEET
- 4 FT HIGH CHAINLINK FENCE - REFER TO DETAIL '2', SHEET LC-4
- 10 FT HIGH CHAINLINK FENCE - REFER TO DETAIL '1', SHEET LC-4
- CHAINLINK FENCE ON CURB - REFER TO DETAIL '3', SHEET LC-4
- EXISTING CHAINLINK FENCE AND WALL

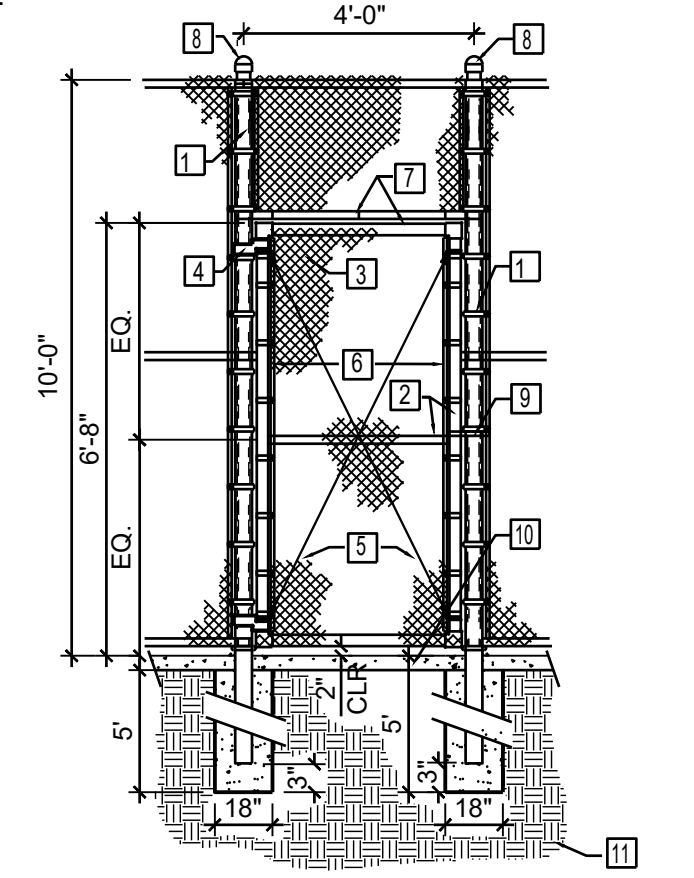


RECREATIONAL PLAY
OVERALL PLAY AREA DIMENSIONS
TWO (2) COURT BATTERY 58' x 60'

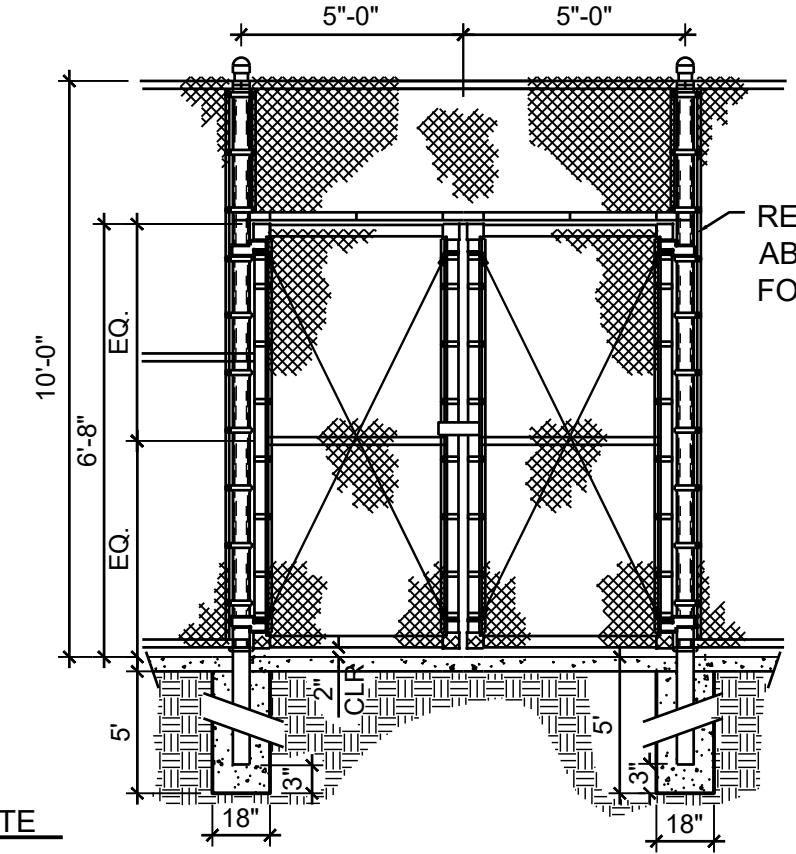


- NOTES:
- CHAIN LINK FENCE MATERIALS SHALL CONFORM TO THE CHAINLINK FENCING SECTION OF SPECIFICATIONS.
 - CONCRETE FOOTINGS SHALL BE ALLOWED TO SET FOR SEVEN DAYS PRIOR TO INSTALLATION OF GATES.
 - CONTRACTOR SHALL PURCHASE, SUPPLY, AND PROVIDE MASTERLOCK, CHAIN AND KEYS TO ENGINEER FOR EACH SET OF GATES. LOCKS SHALL BE KEYED FOR SAME KEY.
 - DOUBLE VEHICULAR GATES SHALL RECEIVE A 5/8" DIA. GALVANIZED DROP ROD WITH 3/4" DIA. SCH. 40 GALVANIZED STEEL SLEEVE CENTERED BETWEEN GATES. SLEEVE SHALL BE SET INTO 6" SQUARE X 12" DEEP CONCRETE FOOTING FOR ROD.
 - ALL METAL HARDWARE SHALL BE GALVANIZED.
 - 8' TALL, OPEN MESH WINDSCREEN, 600 SERIES, SHALL BE ATTACHED TO THE INSIDE FACE OF CHAIN LINK FENCE FABRIC PER MANUFACTURER DETAILS AND SPECIFICATIONS. COLOR SHALL BE OBSIDIAN BLACK. SCREEN IS AVAILABLE FROM FENCE SCREEN AT 808-511-9795, OR AN APPROVED EQUAL.

- LEGEND:
- | | |
|---|--|
| [1] POSTS: POSTS 3-1/2 IN. O.D. WITH 18 IN. DIA. X 5 FT. FOOTINGS. HEIGHT OF POST VARIES PER CONSTRUCTION AND STAKING PLAN. | [6] STRETCHER BAR: 3/16 X 3/4 IN. WITH 1/8 X 1 IN. TENSION BANDS AT 12" O.C. |
| [2] GATE FRAMES: TOP, BOTTOM, AND SIDE MEMBERS 2- 3/8 IN. O.D., MID RAIL 1-5/8" O.D. MITER GATE FRAME CORNERS WELD AND GRIND SMOOTH. | [7] TIE WIRES: 11 GAUGE AT 1'-6" O.C. AT GATE FRAME TOP, BOTTOM AND MID RAILS |
| [3] FABRIC: 6 GAUGE, 2 IN. MESH, BLACK VINYL COATED, KNUCKLE TOP AND BOTTOM | [8] POST CAPS SHALL BE MALLEABLE IRON OR PRESSED STEEL. |
| [4] HINGES: INDUSTRIAL BULLDOG HINGE (180° SWING), 2 HINGES PER GATE, ONE AT TOP AND BOTTOM FOR SINGLE PEDESTRIAN AND 4 HINGES PER GATE, EQUALLY SPACED FOR DOUBLE VEHICULAR. | [9] CAST ALUMINUM FORK WITH LOCKABLE LATCH. |
| [5] TRUSS ROD: 3/8 IN DIA. THREADED AT BOTH ENDS AND TENSIONED WITH TWO AT 1'-0" O.C. INDUSTRIAL TRUSS TIGHTENERS SECURED TO GATE FRAME. | [10] FINISH SURFACE OR GRADE PER CONSTRUCTION AND LAYOUT PLANS. |
| | [11] UNDISTURBED NATIVE GRADE OR CERTIFIED COMPACTED SUBGRADE TO 95% COMPACTION. |



SINGLE PEDESTRIAN GATE



DOUBLE VEHICULAR GATE

REFER TO SINGLE GATE ABOVE AND NOTES HEREON FOR MATERIALS

2 PICKLEBALL COURT
SCALE: NTS

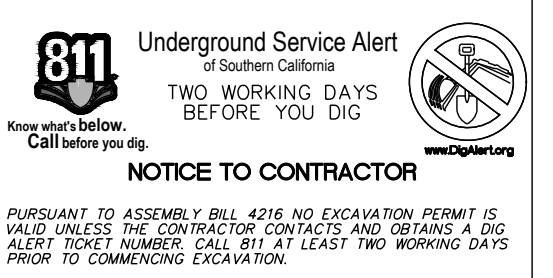
1 SINGLE AND DOUBLE CHAINLINK GATES
SCALE: NTS

PLANS PREPARED BY:



NUVIS
LANDSCAPE ARCHITECTURE
20250 SW ACACIA ST, STE 260
NEWPORT BEACH, CA
U. S. A. 92660
PH: 714.754.7311

REVISIONS		
No.	DESCRIPTION	DATE



CITY OF HERMOSA BEACH
PUBLIC WORKS
1315 VALLEY DRIVE
HERMOSA BEACH, CA 90254
(310) 318-0214

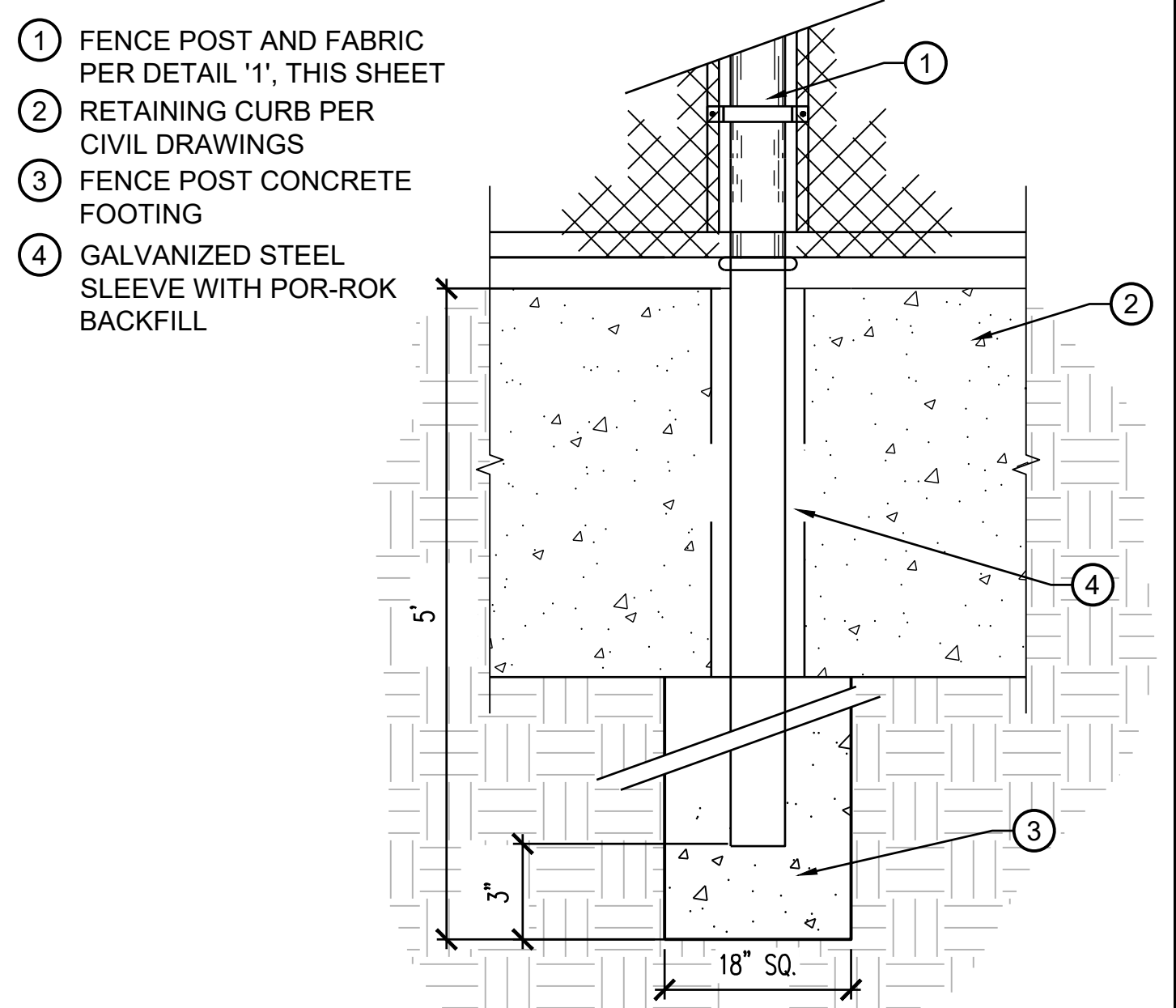
REVIEWED BY:
Laney Wilson
LANEY WILSON, ASSOCIATE ENGINEER
DATE: 12/10/24

RECOMMENDED BY:
SAAD MALIM, P.E., SENIOR ENGINEER
DATE: _____
APPROVED BY:
J. Oskoui
JOHN OSKOU, P.E., ACTING CITY ENGINEER
DATE: 12/10/24

CIP 619
KELLY COURTS RENOVATIONS
LANDSCAPE DETAILS
PLAN NO. 23-004
RECOMMENDED BY: LC-3
SHT. 18 OF 24

GENERAL CONSTRUCTION DETAIL NOTES

1. THE FOLLOWING NOTES APPLY TO ALL DETAILS AS SHOWN IN THIS SET OF DOCUMENTS, UNLESS OTHERWISE NOTED.
2. FOR ADDITIONAL INFORMATION REFER TO CONSTRUCTION AND GRADING NOTES.
3. REFER TO CONSTRUCTION LEGEND FOR INFORMATION RELATIVE TO COLOR, TYPE AND FINISH.
4. UNLESS OTHERWISE NOTED, NEW FINISH SURFACE SHALL BE FLUSH WITH ADJACENT EXISTING SURFACES.
5. FINISH GRADE: 1" BELOW FINISH SURFACE ADJACENT TO TURF AND 2" BELOW ADJACENT TO NON-TURF AREAS.
6. FINAL LOCATION OF CONSTRUCTION ELEMENTS, DRAINAGE DEVICES, SITE AMENITIES, IRRIGATION EQUIPMENT, AND PLANT MATERIAL MAY REQUIRE ADJUSTMENT DUE TO FIELD CONDITIONS AND SHALL BE APPROVED PRIOR TO CONSTRUCTION.
7. CONTRACTOR SHALL VERIFY ALL MATCHING MATERIALS AND COLORS PRIOR TO PURCHASE AND INSTALLATION. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES PRIOR TO INSTALLATION.



3 RETAINING CURB WITH FENCE
SCALE: NTS

WillyGoat

03/14/2024

Safety Pole Pad - Round 6 Foot Tall

Brand: ASI

Features:
Color choices are red, blue, green, and yellow.

Specification Details:
3' (8-12" circumference)
4' (12-12" circumference)
5' (15-34" circumference)
6' (18-78" circumference)
7' (22" circumference)
8' (25-118" circumference)

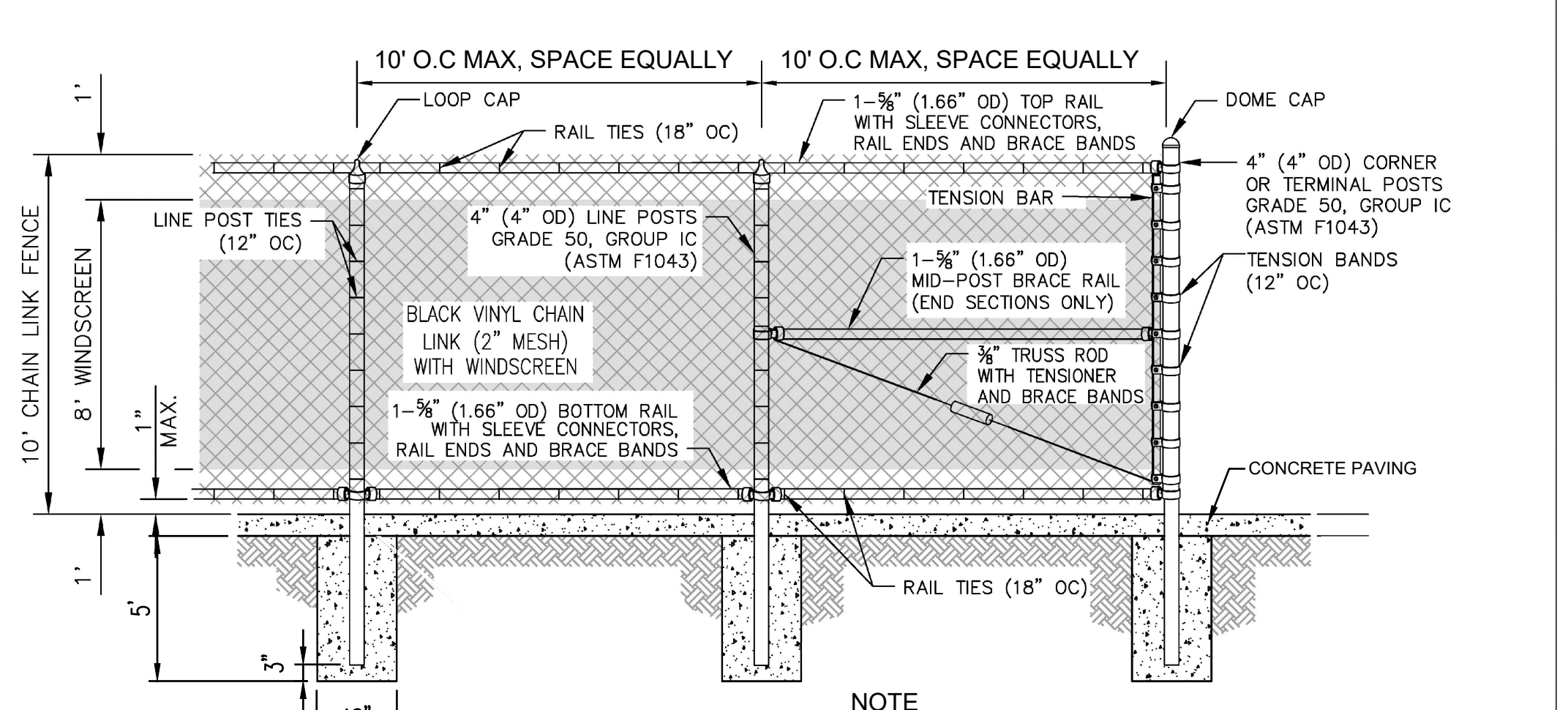
Customize:
Color choices are red, blue, green, and yellow.

Product Specifications:
Equipment Weight: 25 lb.
usa-bw-green(fill:#277341stroke:none), usa-bw-dark-green(fill:#193d2a,stroke:none,); Made in USA

Description:
This 6 foot tall wrap-around pole pad is perfect for round playground poles, slide poles, and shade structure poles. These Pole Pads are designed for both indoor and outdoor use.

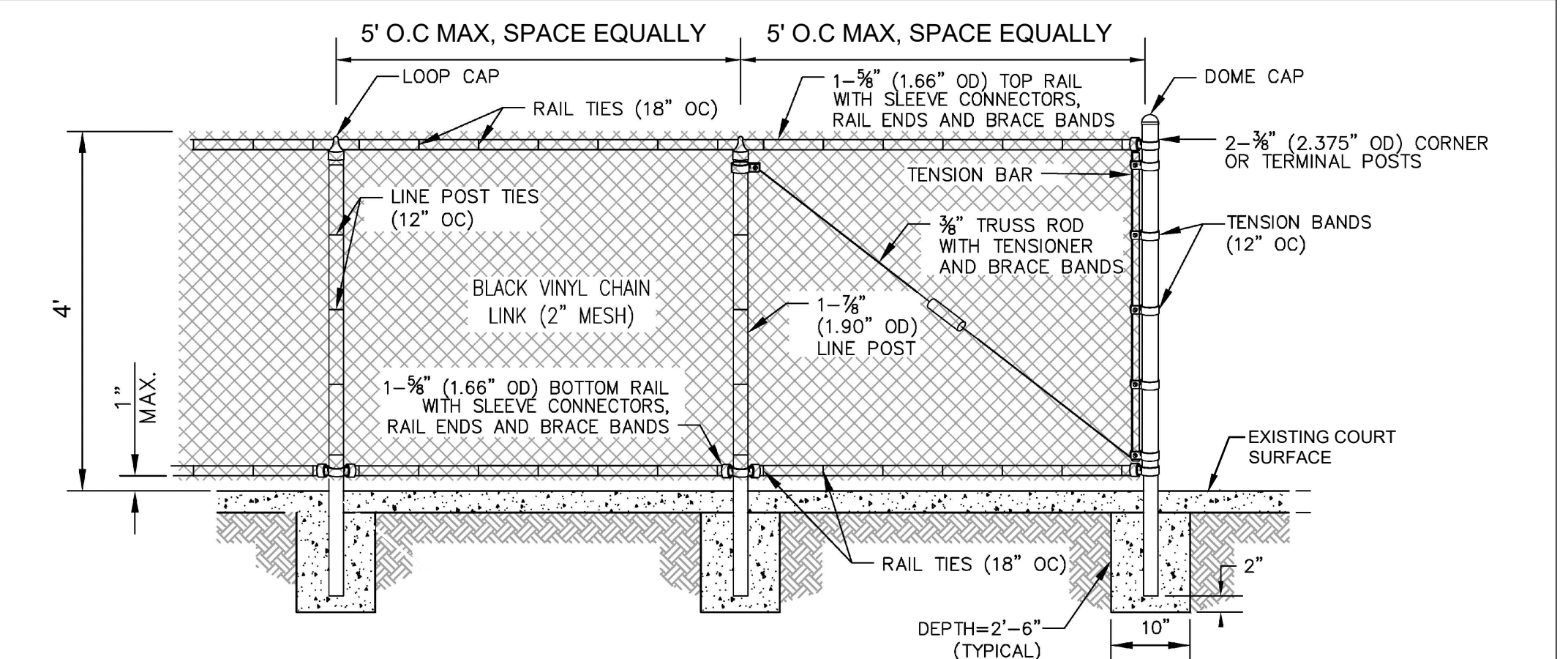
1. COLOR SHALL BE DETERMINED BY A CITY AUTHORIZED REPRESENTATIVE.
2. DIAMETER SHALL BE DETERMINED BY SIZE OF POLE PER FIELD VERIFICATION.

4 6 FT SAFTEY POLE PAD
SCALE: NTS



1 10 FT CHAINLINK FENCE
SCALE: NTS

- NOTE
1. REFER TO THE CONSTRUCTION PLAN FOR FENCE LOCATIONS AND LOCATIONS OF WINDSCREEN.
 2. PROVIDE KNUCKLE FISH AT TOP AND BOTTOM OF CHAINLINK FENCE.



2 4 FT CHAINLINK FENCE
SCALE: NTS

- NOTE
1. REFER TO THE CONSTRUCTION PLAN FOR FENCE LOCATIONS AND LOCATIONS OF WINDSCREEN.
 2. PROVIDE KNUCKLE FISH AT TOP AND BOTTOM OF CHAINLINK FENCE.

PLANS PREPARED BY:

nuvis
LANDSCAPE ARCHITECTURE
20250 SW ACACIA ST, STE 260
NEWPORT BEACH, CA
U. S. A. 9 2 6 6 0
PH: 7 1 4 . 7 5 4 . 7 3 1 1

REVISIONS		
No.	DESCRIPTION	DATE

Underground Service Alert
of Southern California
TWO WORKING DAYS
BEFORE YOU DIG
www.callbeforeyou dig.com

NOTICE TO CONTRACTOR

PURSUANT TO ASSEMBLY BILL 680 AND EXCAVATION PERMIT IS HELD UNLESS THE CONTRACTOR CONTACTS AND OBTAINS AN ALERT TICKET NUMBER. CALL 811 AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING EXCAVATION.

CITY OF HERMOSA BEACH

PUBLIC WORKS
1315 VALLEY DRIVE
HERMOSA BEACH, CA 90254
(310) 318-0214

REVIEWED BY:

Laney Wilson 12/10/24

LANEY WILSON, ASSOCIATE ENGINEER DATE

RECOMMENDED BY:

SAAD MALIM, P.E., SENIOR ENGINEER DATE

APPROVED BY:

J. Oskoui 12/10/24

JOHN OSKOU, P.E., ACTING CITY ENGINEER DATE

CIP 619
KELLY COURTS RENOVATIONS

PLAN NO. 23-004

RECOMMENDED BY: LC-4

SHT. 19 OF 24

SITework NOTE

CONTRACTOR SHALL VERIFY WITH ENGINEER AS TO THE EXACT LOCATION OF ALL NEW UNDERGROUND STRUCTURES, INTENDED LOCATION OF NEW TRENCHES AND ALL NEW ABOVE GRADE EQUIPMENT PRIOR TO COMMENCEMENT OF ANY AND ALL CONSTRUCTION OR EXCAVATION.

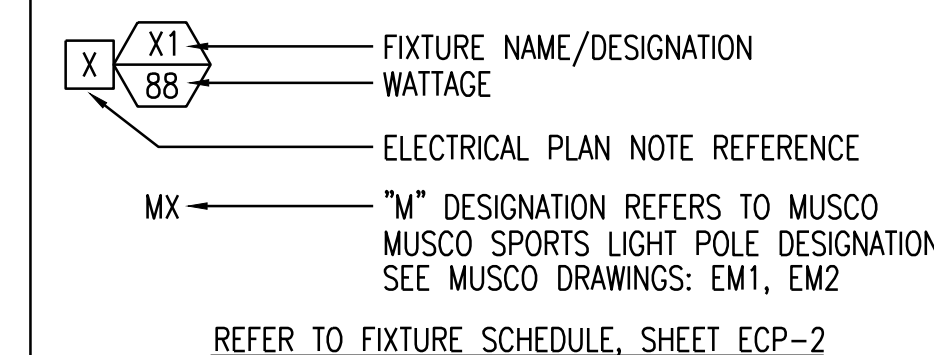
ELECTRICAL SITE PLAN NOTES

1. CONDUIT TO BE SCHED. 80 PVC, MINIMUM 24" BELOW FINISH GRADE.
2. VERIFY EXACT LOCATION OF ALL NEW POLES WITH MUSCO DESIGN DRAWINGS PRIOR TO ROUGH-IN.
3. PROVIDE PULLBOXES WHERE INDICATED ON PLAN, SIZED AND AS REQUIRED BY CODE.
4. PROVIDE LOCKING PROVISION ON ALL WEATHERPROOF ENCLOSURES.
- 5 EXISTING BASKETBALL LIGHT POLE, TO REMAIN AND BE RECONNECTED THROUGH NEW PHOTOCCELL, TIMECLOCK AND CONTACTORS.
- 6 CONTRACTOR SHALL PLACE NEW CONDUITS IN AREA OF NEW CONCRETE PAVING AT NORTH END OF TENNIS/PICKLEBALL COURTS.
- 7 NEW 3/4" CONDUIT FOR NEW PICKLEBALL COURT LIGHTING ELECTRICAL, REFER TO SINGLE LINE DIAGRAM FOR MORE INFORMATION.
- 8 PROVIDE MINIMUM 11"x17" PULLBOX FOR NEW LIGHTING CONDUIT.
- 9 CONDUIT THIS AREA IS EXISTING, CONTRACTOR TO PULL NEW CONDUCTORS SIZED PER SINGLE LINE DIAGRAM.
- 10 EXISTING LIGHT POLE, TO REMAIN AND BE FITTED WITH NEW MUSCO SPORTS LIGHTS.
- 11 LIGHTS THIS AREA TO BE ON NEW MUSCO LIGHT POLES, TYPICAL.

ELECTRICAL SYSTEM NOTE

400A 120/240V 1PH 3W MAIN ELECTRICAL SERVICE AND METERING EQUIPMENT AND DISTRIBUTION IS EXISTING, TO REMAIN.
 CONTRACTOR SHALL REFER TO CIVIL PLANS, ARCHITECTURAL PLANS, MUSCO LIGHTING PLANS, AND ALL OTHER TRADES TO PROVIDE A COMPLETE AND OPERABLE SYSTEM. ANY CLARIFICATIONS OR OMISSIONS SHALL BE SENT TO ENGINEER FOR CLARIFICATION PRIOR TO ROUGH-IN.
 FINAL LOCATION OF ALL NEW LIGHT POLES SHALL BE REVIEWED AND APPROVED BY THE AUTHORIZED MUSCO LIGHTING REPRESENTATIVE PRIOR TO ROUGH-IN.
 ALL CONCRETE STRUCTURAL FOOTINGS FOR NEW LIGHT POLES SHALL BE PER MUSCO CALIFORNIA STRUCTURAL ENGINEER SIGNED DETAILS.

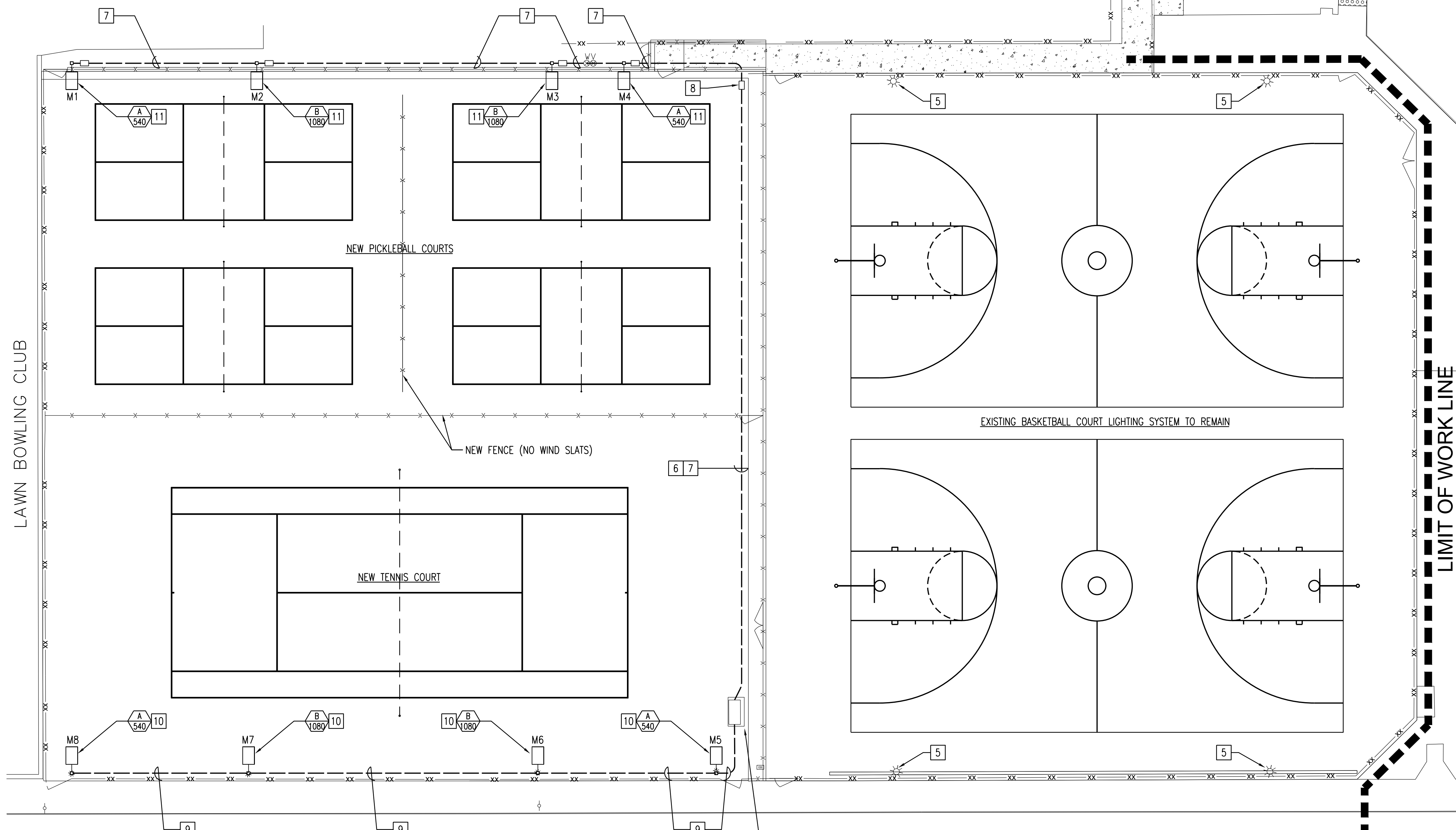
LIGHTING SYMBOL KEY



TITLE 24 LIGHTING NOTE

LUMINAIRE(S) TYPE 'A' AND 'B' ARE SPORTS LIGHTS FOR COURT ILLUMINATION.
 SPORTS LIGHTING IS NOT REGULATED PER NONRESIDENTIAL COMPLIANCE MANUAL SECTION 6.2.2, TABLE 6-1, PAGE 6-3.

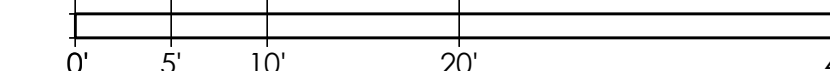
CLARK FIELD


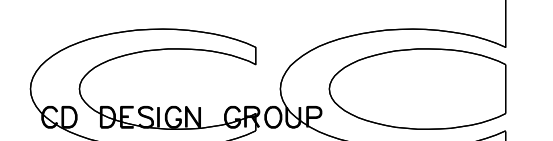






SCOPE OF WORK NOTE

ALL WORK SHOWN ON PLANS INCLUDING TYPE 'A' AND 'B' POLES + LUMINAIRES, CONDUIT, CONDUCTORS, CONTROLS, PULLBOXES, LIGHTING & POWER RELATED EQUIPMENT AND CABLING, AND ALL MATERIALS ASSOCIATED WITH WORK SHOWN FOR A COMPLETE AND OPERABLE PICKLEBALL AND TENNIS COURT LIGHTING SYSTEM ON THESE PLANS IS NEW, UNLESS NOTED OTHERWISE.

SCALE: 1" = 10'



PLANS PREPARED BY:  DALE C. KARJALA, P.E. LICENSE No. E-7338	 P.O. Box 4107 Irvine, CA 92616-4107 949.387.8476	<table border="1"> <thead> <tr> <th colspan="3">REVISIONS</th> </tr> <tr> <th>No.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	REVISIONS			No.	DESCRIPTION	DATE										 Underground Service Alert of Southern California TWO WORKING DAYS BEFORE YOU DIG NOTICE TO CONTRACTOR PURSUANT TO ASSEMBLY BILL 4216 NO EXCAVATION PERMIT IS VALID UNLESS THE CONTRACTOR CONTACTS AND OBTAINS A DIG ALERT TOLL FREE NUMBER, CALL 811 AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING EXCAVATION.	 PUBLIC WORKS 1315 VALLEY DRIVE HERMOSA BEACH, CA 90254 (310) 318-0214	REVIEWED BY:  LANEY WILSON, ASSOCIATE ENGINEER DATE: 12/10/24	RECOMMENDED BY: SAAD MALIM, P.E., SENIOR ENGINEER DATE:	CIP 619 KELLY COURTS RENOVATIONS PLAN NO. 23-004
			REVISIONS																			
No.	DESCRIPTION	DATE																				
APPROVED BY:  JOHN OSKOU, P.E., ACTING CITY ENGINEER DATE: 12/10/24	APPROVED BY: SAAD MALIM, P.E., SENIOR ENGINEER DATE:	ELECTRICAL PLAN AND NOTES SHT. 20 OF 24																				

SYMBOL LIST

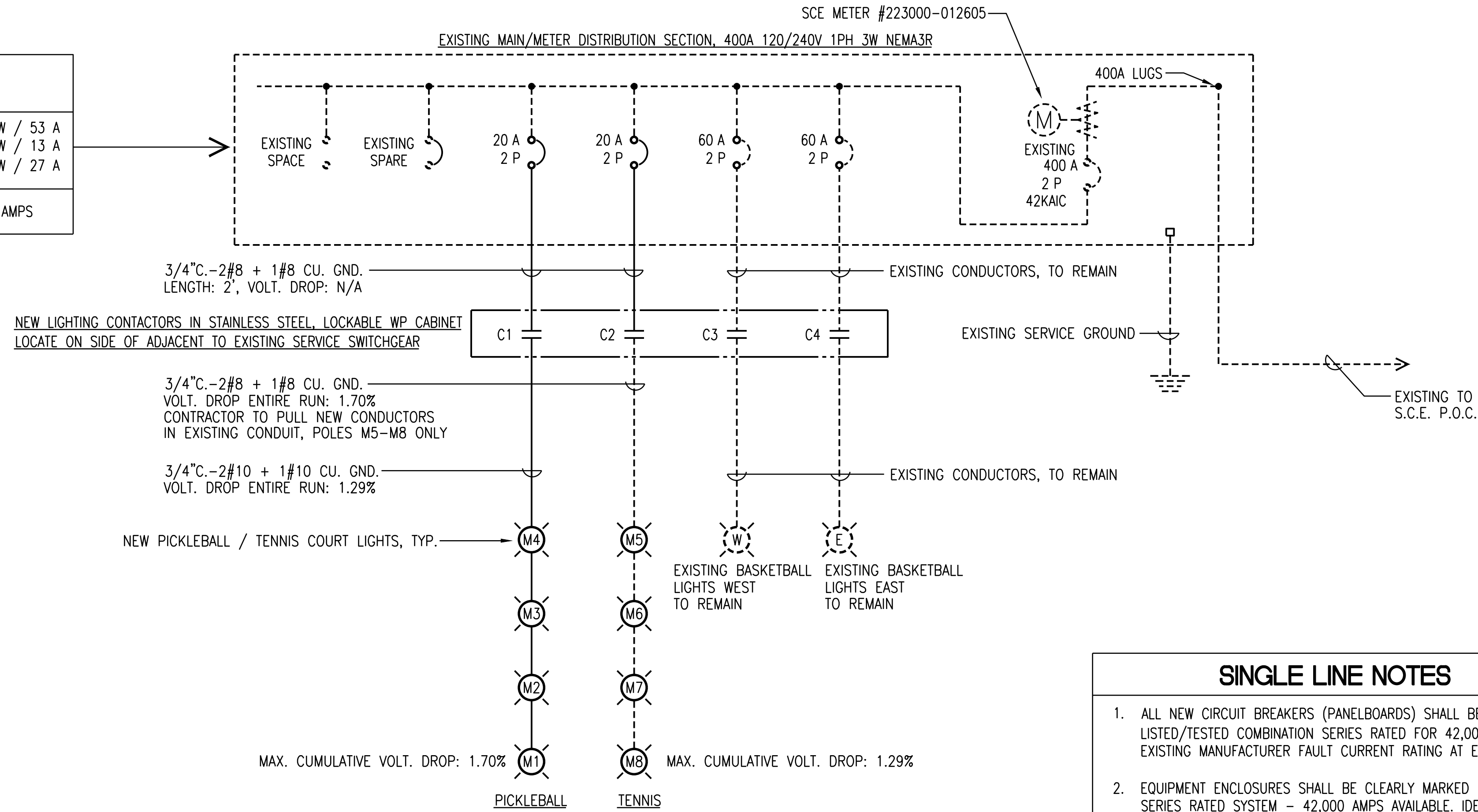
- WIRING CONCEALED IN OR ABOVE CEILING
 - - - WIRING CONCEALED IN OR UNDER FLOOR, OR UNDERGROUND.
 - - - WIRING EXPOSED
 - HOMERUN TO PANELBOARD CIRCUITS AS NOTED
 - CONDUIT TURNED UP
 - CONDUIT TURNED DOWN
 - 2-#12, 1/2" (3/4") CONDUIT
 - 3-#12, 1/2" (3/4") CONDUIT
 - 4-#12, 1/2" (3/4") CONDUIT
 - 5-#12, 3/4" CONDUIT
 - 6-#12, 3/4" CONDUIT
 - 7-#12, 3/4" CONDUIT
 - 8-#12, 3/4" CONDUIT
 - 9-#12, 1" CONDUIT

 - CEILING
 - WALL
 - FLOOR
 - LIGHTING OUTLET WITH FIXTURE AS NOTED
 - FLUORESCENT FIXTURE
 - ⊕ EXIT SIGN WITH ARROW AS INDICATED
 - ⊕ FIXTURE TYPE TOTAL NUMBER OF WATTS
 - ⊕ SINGLE RECEPTACLE, 120V 15 AMP +15' UON
 - ⊕ DUPLEX RECEPTACLE, 120V, 15 AMP +15' UON
 - ⊕ DOUBLE DUPLEX RECEPTACLE, 120V 15 AMP +15' UON
 - ⊕ JUNCTION BOX (J-BOX)
 - ⊕ IONIZATION DETECTOR
 - ⊕ PHOTOELECTRIC DETECTOR
 - ⊕ MANUAL RELEASE SWITCH
 - ⊕ ABORT STATION
 - ⊕ AUDIBLE/VISUAL ALARM

 - ⊕ TOGGLE SWITCH—SUBSCRIPT INDICATES OUTLETS SWITCHED, +42' UON
 - 2 - 2 POLE P -PILOT LIGHT
 - 3 - 3 WAY D -DIMMER
 - 4 - 4 WAY MC -MOMENTARY CONTACT
 - K -KEYED M -MOTOR RATED

 - MOTOR OUTLET
 - POWER OR LIGHTING PANEL
 - MAIN DISTRIBUTION PANEL
 - DISCONNECT SWITCH
 - RELAY
 - IN GRADE PULLBOX
- ABBREVIATIONS**
- AFF - ABOVE FINISH FLOOR
 - CB - CIRCUIT BREAKER
 - CO - CONDUIT ONLY
 - EM - EMERGENCY BACK UP
 - EPO - EMERGENCY POWER OFF
 - GFCI - GROUND FAULT CIRCUIT INTERRUPTER
 - GFP - GROUND FAULT PROTECTION
 - J - JUNCTION
 - LV - LOW VOLTAGE
 - NIC - NOT IN CONTRACT
 - NL - NIGHT LIGHT
 - PC - PHOTO CONTROL
 - POC - POINT OF CONNECTION
 - R - RELAY
 - TS - TIMESWITCH
 - TYP - TYPICAL
 - UON - UNLESS OTHERWISE NOTED
 - WP - WEATHERPROOF
 - HOA - HAND-OFF-AUTO

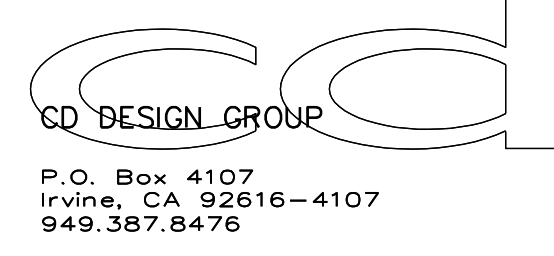
LOAD SCHEDULE	
400A 120/240V 1PH 3W, EXISTING	
EXISTING DIST. BOARD TOTAL:	12.8 KW / 53 A
+125% NEC:	+3.2 KW / 13 A
+NEW MUSCO LIGHTING LOAD (@240V):	+6.5 KW / 27 A
NEW SERVICE TOTAL (AMPS):	93.0 AMPS



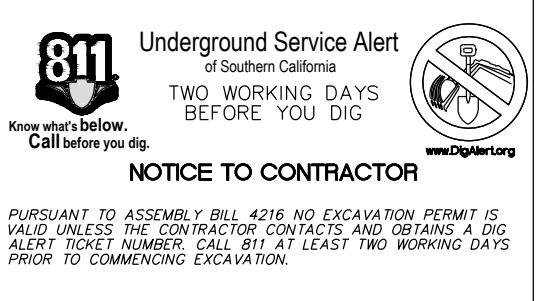
FIXTURE SCHEDULE						
TYPE	DESCRIPTION	TOTAL WATTS	LAMP QUAN	LAMP WATTS	LAMP TYPE	MOUNTING
A/540	CAST ALUMINUM LED WEATHERPROOF HIGH OUTPUT SPORTS LIGHTING FIXTURE, 240 VOLT INPUT, 700mw DRIVER, 5700K LAMPING, 67,000 LUMEN OUTPUT, 75CRI, BLACK POWDERCOAT FINISH, WET LOCATION LABEL. MUSCO LIGHTING - TLC-LED-550	540	1	540	LED	POLE AT +30'-0" A.F.G. REFER TO ELECTRICAL SITE PLAN, SHEET ECP-1 AND MUSCO DESIGN DRAWINGS FOR NEW AND EXISTING POLE LOCATIONS
B/1080	CAST ALUMINUM LED WEATHERPROOF HIGH OUTPUT SPORTS LIGHTING FIXTURE, 240 VOLT INPUT, 700mw DRIVER, 5700K LAMPING, 67,000 LUMEN OUTPUT, 75CRI, BLACK POWDERCOAT FINISH, WET LOCATION LABEL. MUSCO LIGHTING - TLC-LED-550	1080	2	540	LED	POLE AT +30'-0" A.F.G. REFER TO ELECTRICAL SITE PLAN, SHEET ECP-1 AND MUSCO DESIGN DRAWINGS FOR NEW AND EXISTING POLE LOCATIONS

- SINGLE LINE NOTES**
- ALL NEW CIRCUIT BREAKERS (PANELBOARDS) SHALL BE MANUFACTURER LISTED/TESTED COMBINATION SERIES RATED FOR 42,000 AIC TO MATCH EXISTING MANUFACTURER FAULT CURRENT RATING AT EQUIPMENT.
 - EQUIPMENT ENCLOSURES SHALL BE CLEARLY MARKED "CAUTION: SERIES RATED SYSTEM - 42,000 AMPS AVAILABLE. IDENTIFIED REPLACEMENT COMPONENTS REQUIRED.", IN COMPLIANCE WITH 2022 NEC SECTION 110-22. END-USE EQUIPMENT SHALL BE UL (OR CITY APPROVED TESTING LABORATORY) MANUFACTURER LISTED/TESTED COMBINATION SERIES RATED FOR 42 KAIC AND SHALL BE MARKED WITH THE INTERRUPTING RATING AS PER 2022 NEC SECTION 240-83(c).
 - ALL NEW FEEDERS INDICATED ARE COPPER "THWN/THHN", 75°C. NO ALUMINUM SUBSTITUTION ALLOWED.
 - ELECTRICAL SYSTEMS SHALL BE GROUNDED PER ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE (LATEST ADOPTED VERSION).
 - ALL EXTERIOR LOCATED EQUIPMENT TO BE WEATHERPROOF, NEMA3R.
 - ALL WORK TO COMPLY WITH 2022 CBC.
 - REPLACE EXISTING CIRCUIT BREAKER WITH NEW IN POSITION INDICATED.
 - MINIMUM CONDUIT SIZE FOR ALL ELECTRICAL DEVICES AND SYSTEMS SHALL BE 3/4" UNLESS SPECIFICALLY PERMITTED BY A CITY REPRESENTATIVE.
 - ALL ELECTRICAL EQUIPMENT SHALL BE LISTED BY A CITY OF HERMOSA BEACH RECOGNIZED ELECTRICAL TESTING LABORATORY OR APPROVED BY THE PLAN REVIEW DEPARTMENT.
 - NO PIPING, DUCTS OR EQUIPMENT FOREIGN TO ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE LOCATED WITHIN THE DEDICATED SPACE ABOVE THE ELECTRICAL EQUIPMENT.
 - FUSES SHALL BE PROVIDED WITH REJECTION-TYPE FUSEHOLDERS, TYPICAL FOR ALL.
 - CIRCUIT BREAKERS FOR PICKLEBALL AND TENNIS COURT LIGHTING MUST BE THERMAL MAGNETIC HID OR D-CURVE RATED.

PLANS PREPARED BY:



REVISIONS		
No.	DESCRIPTION	DATE



CITY OF HERMOSA BEACH

PUBLIC WORKS
1315 VALLEY DRIVE
HERMOSA BEACH, CA 90254
(310) 318-0214

REVIEWED BY:

Laney Wilson 12/10/24
LANEY WILSON, ASSOCIATE ENGINEER DATE

RECOMMENDED BY:

SAAD MALIM, P.E., SENIOR ENGINEER DATE

APPROVED BY:
J. Oskoui 12/10/24
JOHN OSKOU, P.E., ACTING CITY ENGINEER DATE

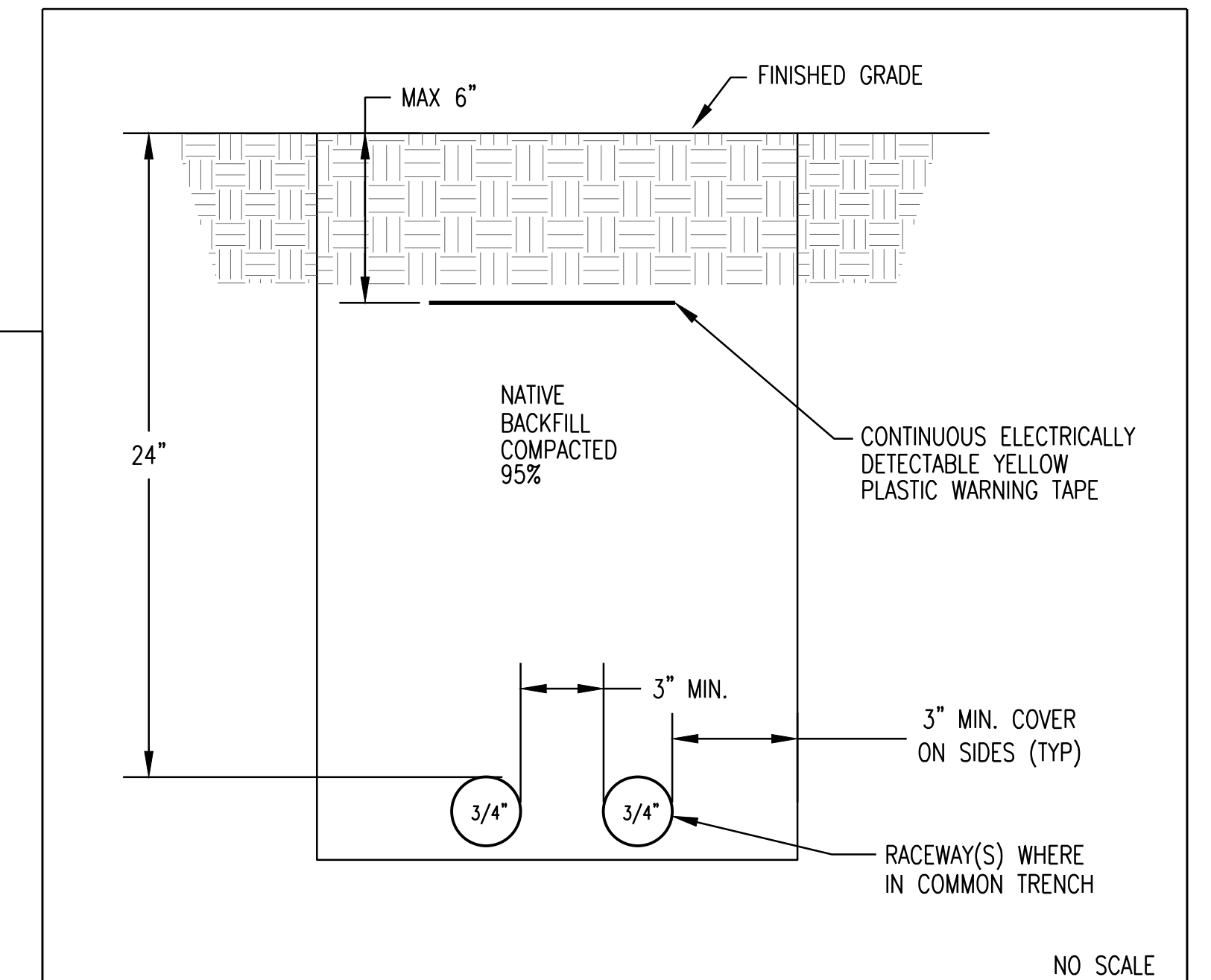
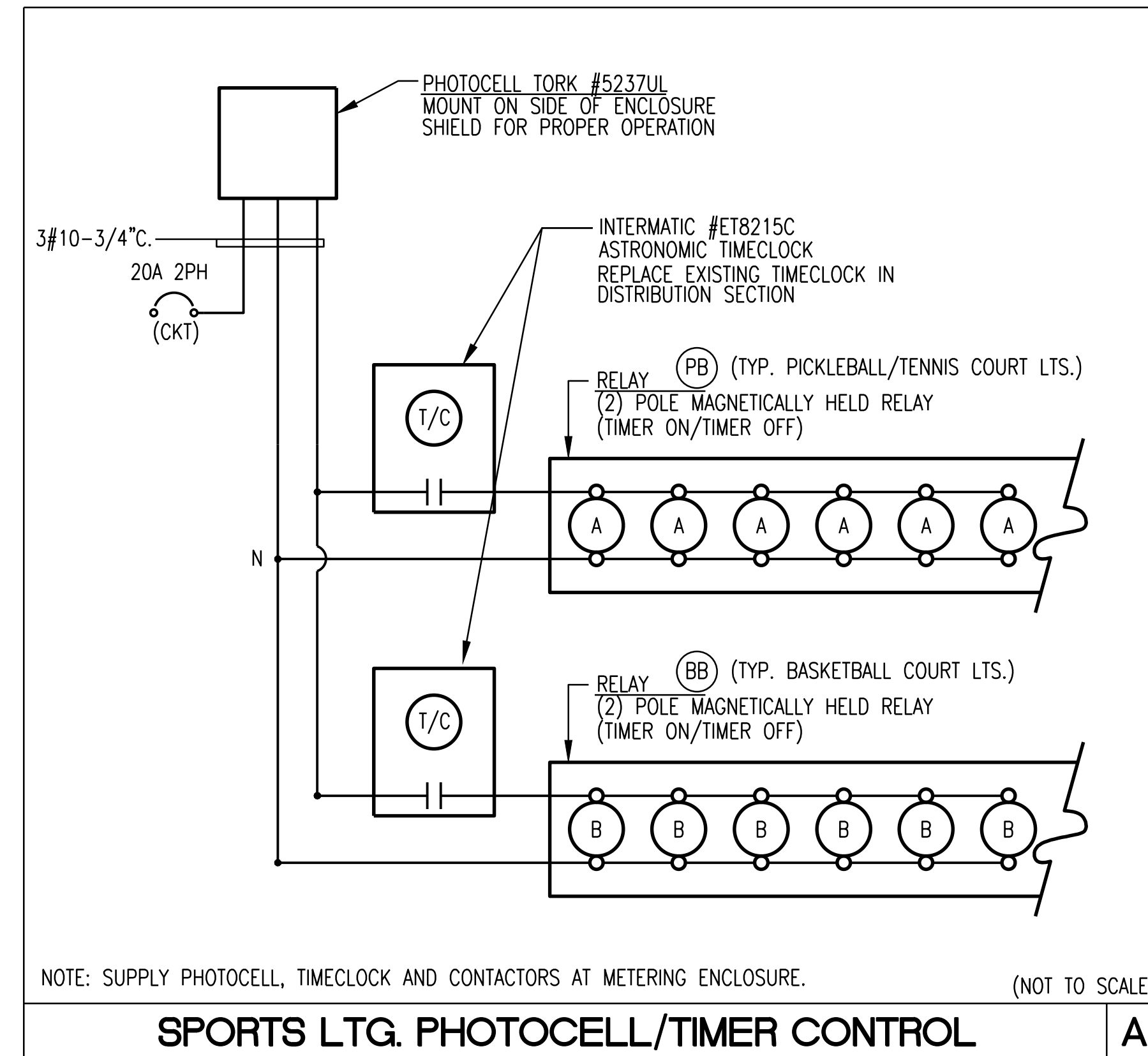
CIP 619
KELLY COURTS RENOVATIONS

SINGLE LINE DIAGRAM,
DETAILS, NOTES

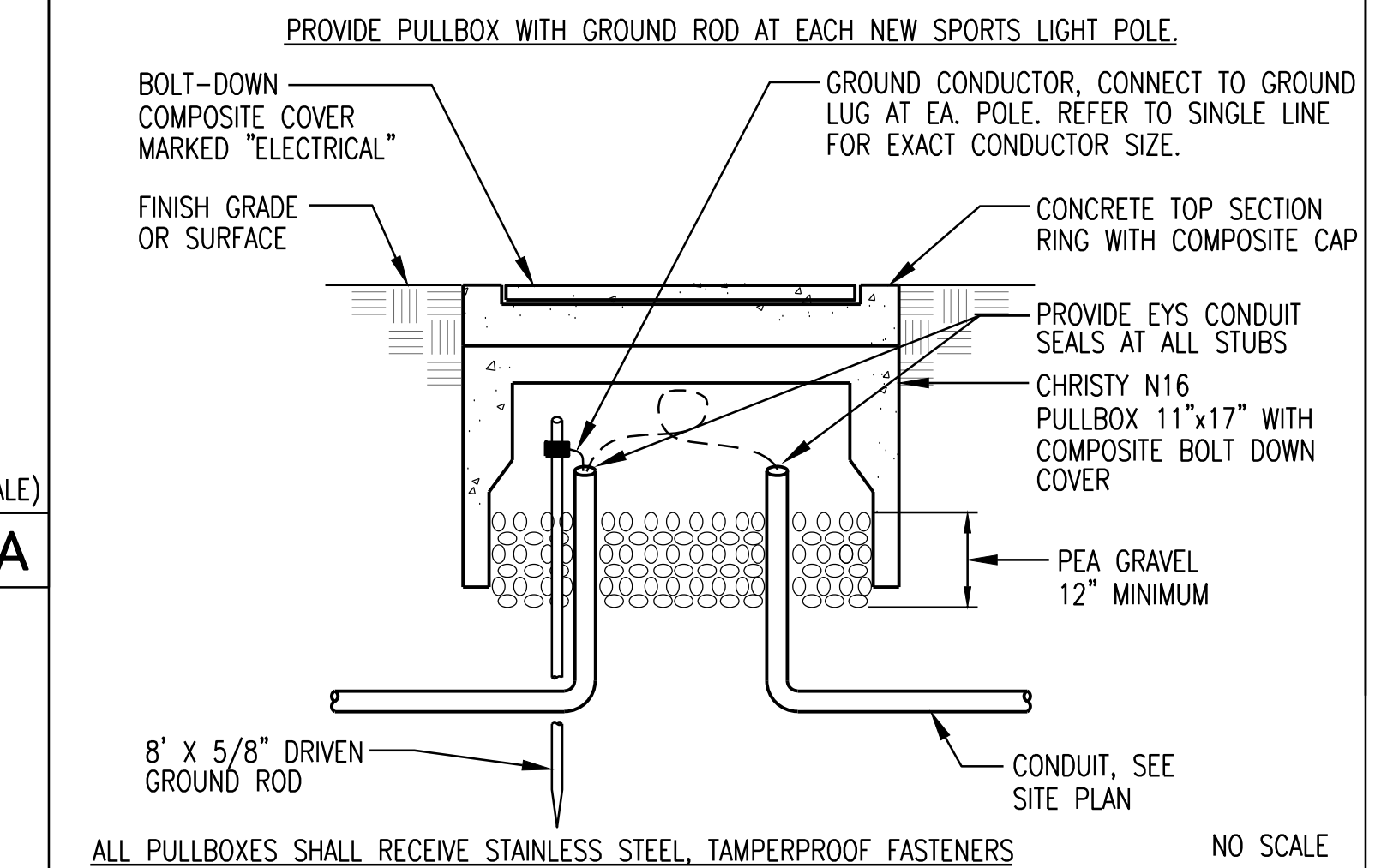
PLAN NO.
23-004

RECOMMENDED BY:
ECP-2

SHT. 21 OF 24



TYPICAL TRENCH DETAIL B



LIGHTING PULL BOX DETAIL C

PLANS PREPARED BY:

CD DESIGN GROUP

P.O. Box 4107
Irvine, CA 92616-4107
949.387.8476

REVISIONS		
No.	DESCRIPTION	DATE

DALE C. KARJALA, P.E. LICENSE No. E-7338 DATE

Underground Service Alert
of Southern California
TWO WORKING DAYS
BEFORE YOU DIG

NOTICE TO CONTRACTOR

PURSUANT TO ASSEMBLY BILL 680 AND EXCAVATION PERMIT IS
VALID UNLESS THE CONTRACTOR CONTACTS AND OBTAINS A DIS-
ALERT TOLL FREE NUMBER, CALL 811 AT LEAST TWO WORKING DAYS
PRIOR TO COMMENCING EXCAVATION.

CITY OF
HERMOSA BEACH

PUBLIC WORKS
1315 VALLEY DRIVE
HERMOSA BEACH, CA 90254
(310) 318-0214

REVIEWED BY:

Laney Wilson 12/10/24

LANEY WILSON, ASSOCIATE ENGINEER DATE

RECOMMENDED BY:

SAAD MALIM, P.E., SENIOR ENGINEER DATE

APPROVED BY:

J. Oskoui 12/10/24

JOHN OSKOU, P.E., ACTING CITY ENGINEER DATE

CIP 619
KELLY COURTS RENOVATIONS

PLAN NO. 23-004

RECOMMENDED BY:
ECP-3

SHT. 22 OF 24

Kelly Courts
Hermosa Beach, CA

Lighting System

Pole/Fixture Summary						
Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit
M1	30'	30'	1	TLC-LED-550	0.54 kW	A
M2-M3	30'	30'	2	TLC-LED-550	1.08 kW	A
M4-M5	30'	30'	1	TLC-LED-550	0.54 kW	A
M6-M7	30'	30'	2	TLC-LED-550	1.08 kW	A
M8	30'	30'	1	TLC-LED-550	0.54 kW	A
T			12		6.48 kW	

Circuit Summary

Circuit	Description	Load	Fixture Qty
A	Pickleball/Tennis	6.48 kW	12

Fixture Type Summary

Type	Source	Wattage	Lumens	L80	L90	L70	Quantity
TLC-LED-550	LED 500K - 75 CRI	540W	67,000	>120,000	>120,000	>120,000	12

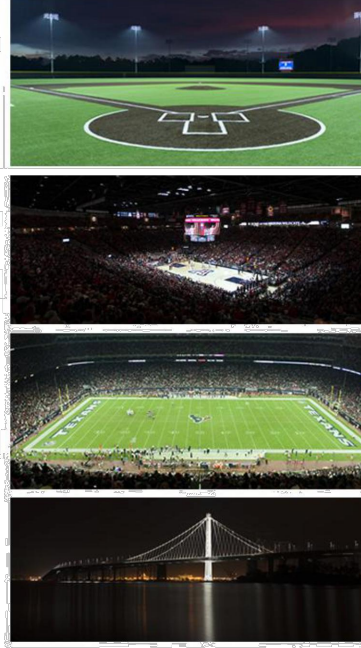
Single Luminaire Amperage Draw Chart

Driver Specifications	Line Amperage Per Luminaire (90 min power factor)					
	208	220	240	277	347	480
Single Phase Voltage	(60)	(60)	(60)	(60)	(60)	(60)
TLC-LED-550	3.2	3.0	2.8	2.4	1.9	1.4

Light Level Summary

Calculation Grid Summary		Illumination		Circuits	Fixture Qty
Grid Name	Calculation Metric	Avg	Min	Max	
Pickleball/Tennis	Horizontal Illuminance	41.3	23.3	64.0	7.74
Property Line Spill	Horizontal Illuminance	0	0	0.00	A
Property Line Spill	Max Candela Metric	0.14	0	1.20	A
Property Line Spill	Max Vertical Illuminance Metric	0	0	0.00	A

From Hometown to Professional



NOTES: This is not a Musco recommended design for playability.

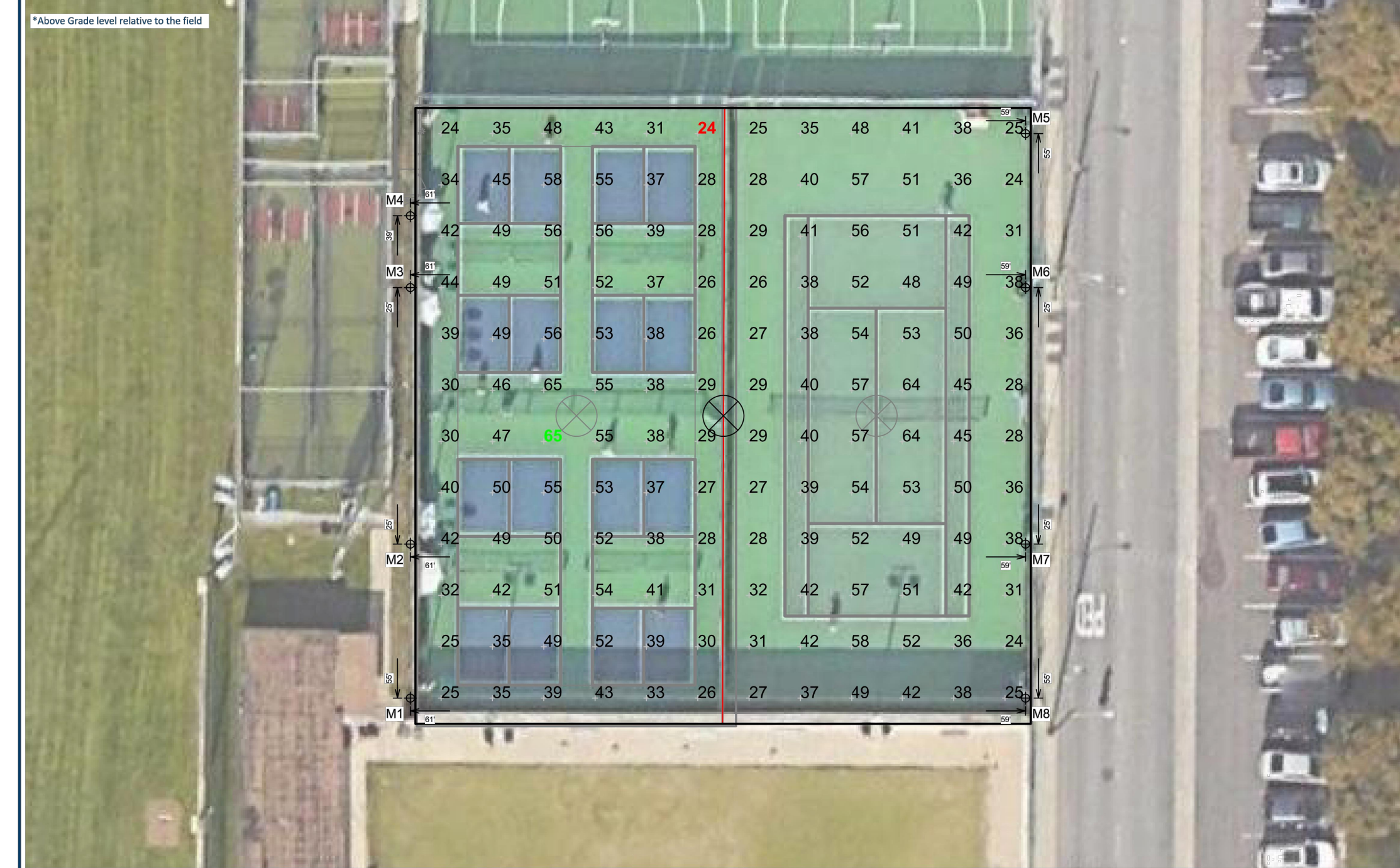


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ENGINEERED DESIGN By: Vashon Alexander • File #232174C • 09-Feb-24

Equipment List For Areas Shown

QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THE GRID	OTHER GRID	
4	M1	M4-M5	30'	-	30'	TLC-LED-550	1	1	0
4	M2-M3	M6-M7	30'	-	30'	TLC-LED-550	2	2	0
T							12	12	0



SCALE IN FEET 1:100
ENGINEERED DESIGN By: Vashon Alexander • File #232174C • 09-Feb-24

Kelly Courts
Hermosa Beach, CA

Grid Summary

Name: Pickball/Tennis	
Size	120' x 120'
Spacing	30.0' x 30.0'
Height	1.0' above grade

Illumination Summary

ENTIRE GRID	
Scan Average	41.3
Maximum	64.0
Minimum	23.3
Avg/Min	1.74
Max/Min	2.78
UG (adjacent pole)	1.59
CU	0.79

LUMINAIRE INFORMATION

Applied Circuits	A
No. of Luminaires	12
Total Load	6.48 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.
Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.
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 driver and structures located within 3 feet (1m) of design locations.

NOTES: This is not a Musco recommended design for playability.



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PROJECT SUMMARY

Equipment List For Areas Shown

QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THE GRID	OTHER GRID	
4	M1	M4-M5	30'	-	30'	TLC-LED-550	1	1	0
4	M2-M3	M6-M7	30'	-	30'	TLC-LED-550	2	2	0
T							12	12	0



SCALE IN FEET 1:100
ENGINEERED DESIGN By: Vashon Alexander • File #232174C • 09-Feb-24

Kelly Courts
Hermosa Beach, CA

Grid Summary

Name: Property Line Spill	
Spacing	30.0' x 30.0'
Height	1.0' above grade

Illumination Summary

ENTIRE GRID	
Scan Average	0.000
Maximum	0.000
Minimum	0.000
CU	0.00
No. of Points	75

LUMINAIRE INFORMATION

Applied Circuits	A
No. of Luminaires	12
Total Load	6.48 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.
Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.
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 driver and structures located within 3 feet (1m) of design locations.

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Equipment List For Areas Shown

QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THE GRID	OTHER GRID	
4	M1	M4-M5	30'	-	30'	TLC-LED-550	1	1	0
4	M2-M3	M6-M7	30'	-	30'	TLC-LED-550	2	2	0
T							12	12	0



SCALE IN FEET 1:100
ENGINEERED DESIGN By: Vashon Alexander • File #232174C • 09-Feb-24

Kelly Courts
Hermosa Beach, CA

Grid Summary

Name: Property Line Spill	
Spacing	30.0' x 30.0'
Height	1.0' above grade

Illumination Summary

ENTIRE GRID	
Scan Average	0.000
Maximum	0.000
Minimum	0.000
CU	0.00
No. of Points	75

LUMINAIRE INFORMATION

Applied Circuits	A
No. of Luminaires	12
Total Load	6.48 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.
Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.
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 driver and structures located within 3 feet (1m) of design locations.

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PLANS PREPARED BY:	REVISIONS		<p>Underground Service Alert of Southern California TWO WORKING DAYS BEFORE YOU DIG Know what's below. Call before you dig.</p> <p>NOTICE TO CONTRACTOR</p> <p>PURSUANT TO ASSEMBLY BILL 4216 NO EXCAVATION PERMIT IS VALID UNLESS THE CONTRACTOR CONTACTS AND OBTAINS A DISC ALERT TOWER NUMBER CALL 811 AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING EXCAVATION.</p>	<p>CITY OF HERMOSA BEACH</p> <p>PUBLIC WORKS 1315 VALLEY DRIVE HERMOSA BEACH, CA 90254 (310) 318-0214</p>	REVIEWED BY:	RECOMMENDED BY:	<p>CIP 619 KELLY COURTS RENOVATIONS</p> <p>MUSCO LIGHTING DESIGN</p>	PLAN NO.
	DATE	No.			DESCRIPTION	DATE		DATE
				<p>Laney Wilson 12/10/24</p> <p>LANEY WILSON, ASSOCIATE ENGINEER DATE</p>	<p>SAAD MALIM, P.E., SENIOR ENGINEER DATE</p> <p>APPROVED BY:</p> <p>J. Oskoui 12/10/24</p> <p>JOHN OSKUI, P.E., ACTING CITY ENGINEER DATE</p>			



Equipment List For Areas Shown							
Pole		Luminaires					
QTY	LOCATION	SIZE	SHOCK EXPOSURE	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	OTHER USES
4	M1-M4	30'	-	30'	TLC-LED-550	1	1
4	M5-M8	30'	-	30'	TLC-LED-550	2	2
Totals						12	12

*Above Grade level relative to the field

SCALE IN FEET 1:100
 ENGINEERED DESIGN By: Vashon Alexander • File #232174C • 09-Feb-24

Kelly Courts

Hermosa Beach, CA

Grid Summary
 Name: Property Line Split
 Spacing: 30.0' x 30.0'
 Origin: 0,0' above grade

Illumination Summary

Scan Average: **0.245**
 Maximum: 1.238
 Minimum: 0.000
 CU: 0.00
 No. of Poles: 79
 Applied Circuits: A
 No. of Luminaires: 12
 Total Load: 6.48 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 3.5% depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA 90-015.

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

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

NOTES: This is not a Musco recommended design for playability.

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ILLUMINATION SUMMARY



Kelly Courts

Hermosa Beach, CA

Equipment Layout

INCLUDES:
 - Pickleball
 - Pickleball/Tennis
 - Tennis

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

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

Equipment List For Areas Shown

Pole		Luminaires					
QTY	LOCATION	SIZE	SHOCK EXPOSURE	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	OTHER USES
4	M1-M4	30'	-	30'	TLC-LED-550	1	
4	M5-M8	30'	-	30'	TLC-LED-550	2	
Totals						12	

Single Luminaire Amperage Draw Chart

Driver Specifications	Line Amperage Per Luminaire (line draw)					
(50-watt power factor)	208	220	240	277	347	380
Single Phase Voltage	180	180	180	180	180	180
TLC-LED-550	3.2	3.0	2.8	2.4	1.9	1.4

NOTES: This is not a Musco recommended design for playability.

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EQUIPMENT LAYOUT

PLANS PREPARED BY:

DATE

REVISIONS		
No.	DESCRIPTION	DATE

811 Underground Service Alert
 of Southern California
 TWO WORKING DAYS
 BEFORE YOU DIG
 Ring and/or bellows.
 Call before you dig.

NOTICE TO CONTRACTOR

PURSUANT TO ASSEMBLY BILL 4216 NO EXCAVATION PERMIT IS VALID UNLESS THE CONTRACTOR CONTACTS AND OBTAINS A DIS ALERT TICKET NUMBER, CALL 811 AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING EXCAVATION.

CITY OF HERMOSA BEACH

PUBLIC WORKS
 1315 VALLEY DRIVE
 HERMOSA BEACH, CA 90254
 (310) 318-0214

REVIEWED BY:

Laney Wilson 12/10/24
 LANEY WILSON, ASSOCIATE ENGINEER DATE

RECOMMENDED BY:

SAAD MALIM, P.E., SENIOR ENGINEER DATE

APPROVED BY:

J. Oskoui 12/10/24
 JOHN OSKOU, P.E., ACTING CITY ENGINEER DATE

CIP 619
 KELLY COURTS RENOVATIONS

MUSCO LIGHTING
 DESIGN

PLAN NO.
 23-004

RECOMMENDED BY:
 EM-2

SHT. 24 OF 24