PLAN

SITE

1" = 20'

17 CONTRACTOR SHALL PROVIDE A COMPLETE SUMP PUMP SYSTEM TO SERVE THE LOWER LEVEL. PROVIDE SUMP, SUMP PUMP, PUMP MOTOR ELECTRICAL SUPPLY, DISCONNECT, AND TIGHT LINE TO SEWER CONNECTION AT STREET PER NOTES SHEET T-1, ALL CODES, AND ALL LOCAL CITY AND UTILITY REQUIREMENTS AND REGULATIONS. SUMP AND SUMP PUMP LOCATION SHALL BE APPROVED BY OWNER. SUMP PUMP AND SUMP PUMP PIPING SYSTEM MANUFACTURER SHALL CALCULATE AND DETERMINE SIZES AND MATERIALS AND LOCATIONS FOR ALL PIPES, SUMPS, CONNECTIONS AND SUMP PUMP. MANUFACTURER SHALL PREPARE SHOP DRAWINGS OF THE ENTIRE SUMP PUMP AND PIPING SYSTEM AND SUBMIT DRAWINGS TO THE BUILDING OFFICIAL AND OWNER FOR APPROVAL. CONTRACTOR SHALL COORDINATE THE SUMP PUMP AND PIPING SYSTEM WORK WITH ALL OTHER WORK. THE CONTRACTOR SHALL OBTAIN APPROVAL FOR THE SUMP PUMP SYSTEM FROM THE BUILDING OFFICIAL AND OWNER PRIOR TO ANY WORK OR ORDERING MATERIALS 18 ALL SITE WALLS WHICH CREATE A DROP OFF GREATER THAN 20 INCHES ON EITHER

- SIDE SHALL BE PROVIDED WITH A 36 INCH HIGH GUARD RAIL INSTALLED AT THE TOP OF THE WALL. GUARDRAILS SHALL BE POWDER COATED WROUGHT IRON, SHALL BE SECURELY FASTENED TO THE TOP OF THE WALL, AND SHALL COMPLY WITH ALL GUARDRAIL NOTES SHEET GN-3. COLOR AND STYLE SHALL BE APPROVED BY OWNER.
- 19 WATER SERVICES AND SEWER LATERALS IF REQUIRED SHALL BE INSTALLED BY CITY CREWS. CONTRACTOR SHALL COORDINATE ALL WORK WITH WORK BY CITY CREWS AND SHALL VERIFY LOCATION OF ALL EXISTING AND PROPOSED UTILITY SERVICES, SEE CIVIL DRAWINGS, GRADING PERMIT SITE WALL PERMIT BY OTHERS.

NOTE: COMPLY AND COORDINATE ALL WORK WITH GRADING PLAN AND EROSION CONTROL PLAN UNDER SEPARATE PERMIT W51694 BY LEC CORP., 2605 CAMINO DEL RIO SOUTH, #321, SAN DIEGO, 92108. OWNER'S CERTIFICATE / STANDARD SINGLE FAMILY RESIDENTIAL PROJECT

FOR POST CONSTRUCTION BMP'S I/WE THE UNDERSIGNED AS OWNER(S) OF THE PROPERTY DESCRIBED AS

THAT IN ACCORDANCE WITH THE SAN DIEGO MUNICIPAL CODE, LAND DEVELOPMENT MANUAL — STORM WATER STANDARDS, THIS PROJECT IS REQUIRED TO "IDENTIFY POLLUTANTS FROM THE PROJECT AREA" AND INCORPORATE "SITE DESIGN" AND "SOURCE CONTROL" BMP's.

I/WE CERTIFY TO THE BEST OF MY KNOWLEDGE, POLLUTANTS ANTICIPATED BY THE PROPOSED LAND USE ARE AS FOLLOWS: SEDIMENTS

OXYGEN DEMANDING SUBSTANCE TRASH AND DEBRIS OIL AND GREASE BACTERIA AND VIRUSES

PESTICIDES

I/WE WILL INCORPORATE THE FOLLOWING INTO THE SITE DESIGN -\* MAINTAIN PRE-DEVELOPMENT RUNOFF CHARACTERISTICS. \* MINIMIZE IMPERVIOUS FOOT PRINT BY CONSTRUCTING WALKWAYS, PATIOS AND DRIVEWAYS WITH PERMEABLE SURFACES. \* CONSERVE NATURAL AREAS.

\* USE NATURAL DRAINAGE SYSTEMS AS OPPOSED TO LINED SWALES OR UNDERGROUND DRAINAGE SYSTEMS. \* DRAIN ROOF TOPS, WALKWAYS, PATIOS AND DRIVEWAYS INTO ADJACENT LANDSCAPING PRIOR TO DISCHARGING TO THE PUBLIC DRAINAGE SYSTEM. \* PRESERVE EXISTING NATIVE TREES AND SHRUBS. \* PROTECT ALL SLOPES FROM EROSION.

ADDITIONALLY I/WE WILL; \* MINIMIZE THE USE OF PESTICIDES. \* USE EFFICIENT IRRIGATION SYSTEMS AND LANDSCAPING DESIGN - INCORPORATING RAIN SHUTOFF DEVICES AND FLOW REDUCERS.

I/WE WILL MAINTAIN THE ABOVE STANDARD PERMANENT BMP's IN PERPETUITY.

(SIGNATURE) (PRINT NAME)

STORM WATER QUALITY REQUIREMENTS AND NOTES: REQUIRED CONSTRUCTION BEST MANAGEMENT PRACTICES (BMP's)

A STORM EVENT THAT CAUSES A BREECH IN THE INSTALLED CONSTRUCTION BMP'S.

THIS PROJECT SHALL COMPLY WITH ALL REQUIREMENTS OF THE STATE PERMIT: CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, SAN DIEGO REGION, ORDER NO. 2001-01, NPDES NO. CASO10875 AND THE CITY OF SAN DIEGO LAND DEVELOPMENT CODE.

NOTES 1 THROUGH 6 BELOW REPRESENT KEY MINIMUM REQUIREMENTS FOR CONSTRUCTION BMP's.

SUFFICIENT BMP'S SHALL BE INSTALLED TO PREVENT SILT, MUD OR OTHER CONSTRUCTION DEBRIS FROM BEING TRACKED INTO THE ADJACENT STREET(S) OR STORM WATER CONVEYANCE SYSTEMS DUE TO CONSTRUCTION VEHICLES OR ANY OTHER CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING ANY SUCH DEBRIS THAT MAY BE IN THE STREET AT THE END OF EACH WORK DAY OR AFTER

ALL STOCKPILES OF UNCOMPACTED SOIL AND/OR BUILDING MATERIALS THAT ARE INTENDED TO BE LEFT UNPROTECTED FOR A PERIOD GREATER THAN SEVEN CALENDAR DAYS ARE TO BE PROVIDED WITH EROSION AND SEDIMENT CONTROLS. SUCH SOIL MUST BE PROTECTED EACH DAY WHEN THE PROBABILITY OF RAIN IS

3. A CONCRETE WASHOUT SHALL BE PROVIDED ON ALL PROJECTS WHICH PROPOSE THE CONSTRUCTION OF ANY CONCRETE IMPROVEMENTS WHICH ARE TO BE POURED IN PLACE ON THE SITE.

4. ALL EROSION/SEDIMENT CONTROL DEVICES SHALL BE MAINTAINED IN WORKING ORDER AT ALL TIMES. 5. ALL SLOPES THAT ARE CREATED OR DISTURBED BY CONSTRUCTION ACTIVITY SHALL BE PROTECTED AGAINST EROSION AND SEDIMENT TRANSPORT AT ALL TIMES.

THE STORAGE OF ALL CONSTRUCTION MATERIALS AND EQUIPMENT SHALL BE PROTECTED AGAINST ANY POTENTIAL RELEASE OF POLLUTANTS INTO THE ENVIRONMENT.

RESPONSIBILITY FOR BMP IMPLEMENTATION

IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER AND THE CONTRACTOR TO DETERMINE THE TYPES OF BMP's THAT WILL BE USED, AS WELL AS THE LEVELS OF APPLICATION NECESSARY TO COMPLY WITH THE CITY OF SAN DIEGO'S STORMWATER AND BMP ORDINANCES.

POLLUTION SHALL BE REDUCED TO THE MAXIMUM EXTENT PRACTICABLE BY IMPLEMENTING BEST MANAGEMENT PRACTICES (BMP's). BMP's FROM THE FOLLOWING FIVE CATEGORIES SHALL BE USED TOGETHER AS A SYSTEM IN ORDER TO PREVENT EROSION, SEDIMENT, WASTES, SPILLS, AND RESIDUES FROM LEAVING THE EROSION CONTROL PRACTICES

VELOCITY REDUCTION SEDIMENT CONTROL PRACTICES 4. OFFSITE SEDIMENT TRACKING CONTROL 5. GENERAL SITE AND MATERIALS MANAGEMENT

SHADED AREA INDICATES PROPOSED UPPER LEVEL LIVING AREA OVER LOWER LEVEL LIVING AREA (DAYLIGHT BASEMENT) BELOW DASHED LINE INDICATED EXISTING HOUSE TO BE REMOVED UNDER SEPARATE DEMO PERMIT. PROPOSED UPPER LEVEL LIVING AREA ON GRADED PAD UPPER LAYER: 3/8" FILTER BLANGETS/ 505-102/103 SEWER CLEANOUT TO EXISTING SEWER LATERAL PLACE ON CITY SIDE OF F PROPOSED OPEN DECK MODIFIED STRAIGHT HEADWAYL PER D-32 TYPE B-SINGLE PIPE COVERED YPATIO BELOW (SEPARATE PERMIT *PROPOSED ORE*M PATIO AREA ON GRADED PAD FO PROPOSED SINGLE FAMILY RESIDENCE R-3. TYPE VN COPPER WATER SERVICE 129.7 PROPOSED UPPER LEVEL LIVING AREA ON GRADED PAD

VICINITY MAP (NOT TO SCALE) SHEET INDEX SHEET DESCRIPTION SHEET NO. SITE PLAN, INDEX, MAPS, PROJECT DATA CIVIL STORM WATER NOTES AND GRADING NOTES SEE CIVIL SITE WALL DRAWINGS & GRADING PLAN | CIVIL GRADING PLAN / DRAINAGE PLAN UNDER SEPARATE PERMITS BY CIVIL. CIVIL DETAILS CIVIL SITE WALL AND RETAINING WALL PLANS LOWER LEVEL FLOOR PLAN, NOTES, SCHEDULES UPPER LEVEL FLOOR PLAN, NOTES, SCHEDULES A-2DOOR/WINDOW/FINISH SCHEDULE, INTERIOR ELEVATIONS EXTERIOR ELEVATIONS, NOTES A-4 EXTERIOR ELEVATIONS, NOTES BUILDING SECTIONS, NOTES A-6 ROOF PLAN, NOTES SCHEMATIC LOWER LEVEL FLOOR PLAN, NOTES BASIS OF DESIGN SCHEMATIC UPPER LEVEL FLOOR PLAN, NOTES DESIGN ROOF LOADS: DEAD LOAD = 21 PSF; LIVE LOAD = 16 PSF DESIGN FLOOR LOADS: DEAD LOAD = 10 PSF; LIVE LOAD = 40 PSF DESIGN DECK LOADS: DEAD LOAD = 20 PSF; LIVE LOAD = 60 PSF LOWER LEVEL FOUNDATION PLAN, NOTES WIND DESIGN LOAD = EXPOSURE C; 17.4 TO 19.5 PSF UPPER LEVEL FOUNDATION / FLOOR FRAMING PLAN, NOTES SEISMIC DESIGN LOAD = ZONE 4, W = .24PER STRUCTURAL CALCULATIONS. SOIL BEARING = 2500 PSF PER SOILS REPORT S-3ROOF FRAMING PLAN, NOTES, SCHEDULES CONCRETE = 2500 PSI AT 28 DAYS PER ASTM C150, TYPE II MASONRY: CMU: f'=1500 PSI, GRADE "N", TYPE I PER ASTM C90 MORTAR: f'=1800 PSI, TYPE "S", PER UBC 2103.3 AND ASTM C270 **DETAILS** S-4 GROUT: f' = 2000 PSI AT 28 DAYS PER UBC 2103.4 AND ASTM C150 S-5 STEEL REINFORCING: ASTM A615, GRADE 40 FOR #4 AND SMALLER STEEL REINFORCING: ASTM A615, GRADE 60 FOR #5 AND LARGER GENERAL NOTES, SPECIFICATIONS STRUCTURAL STEEL: ASTM A36 TYPICAL UNLESS NOTED **SPECIFICATIONS** GN-2 STEEL PIPE: ASTM A53 GRADE B STEEL TUBING: ASTM A500 GRADE A OR B MACHINE BOLTS: ASTM A307 GRADE A GN-3SPECIFICATIONS, SCHEDULES, NOTES, DETAILS ANCHOR BOLTS: ASTM A307 GRADE / TITLE 24 CALCULATIONS AND REQUIREMENTS T - 24 - 1WOOD: STRUCT. LIGHT FRAMING: #2 GRADE DOUGLAS FIR JOISTS AND PLANKS: #1 GRADE DOUGLAS FIR BEAMS AND STRINGERS: #1 GRADE DOUGLAS FIR STAIR RAIL / HANDRAIL DETAILS POSTS AND TIMBERS: #1 GRADE DOUGLAS FIR PLYWOOD: A.P.A. RATED SHEATHING, STRUC II, CONFORMING TO US PRODUCT STANDARD PS1-89, AND UBC STDS. 23-2,3,4 GLUE LAMINATED TIMBERS: ANSI/AITC A190.1, ASTM D3737, 24F-V8

## GENERAL NOTES

### SEE SHEETS GN-1, GN-2 AND GN-3 FOR ADDITIONAL GENERAL NOTES AND REQUIREMENTS.

- ALL WORK SHALL COMPLY WITH THE TITLE 24 (2001 ENERGY CONSERVATION) AND THE 2001 EDITIONS OF THE CALIFORNIA C.B.C. C.P.C., C.M.C., C.E.C., AND ALL LOCAL JURISDICTION REQUIREMENTS. ALL WORK SHALL COMPLY WITH THE CALIFORNIA BUILDING STANDARDS CODE FOUND IN THE STATE OF CALIFORNIA TITLE 24 CCR AS
- PERMANENT VACUUM BREAKERS SHALL BE INSTALLED WITH ALL NEW HOSE BIBBS.
- PROVIDE ULTRA LOW FLUSH TOILETS AND MAXIMUM 2.2 GPM FLOW ON FAUCETS. MAXIMUM 2.5 GPM FLOW ON SHOWER HEADS.
- BATHROOM AND LAUNDRY EXHAUST FANS SHALL PROVIDE MINIMUM 5 AIR CHANGES PER HOUR. A 100 SQ. INCHES OF MAKE UP AIR SHALL BE PROVIDED TO LAUNDRY ROOMS PER 2001 CALIFORNIA U.M.C.. NOTE THAT EXHAUST FANS SHALL NOT DISCHARGE TO THE EXTERIOR OF THE BUILDING CLOSER THAN 3' FROM ANY EXTERIOR OPENING.
- STATE HEALTH AND SAFETY CODES BAN THE USE OF CHLORINATED POLYVINYL CHLORIDE (CPVC) FOR INTERIOR WATER SUPPLY PIPING.
- ATTIC INSTALLATION SHALL COMPLY WITH SECTIONS 304, 309, 319, AND 320 OF THE UMC.
- 8 IN ADDITION TO THE REGULAR INSPECTIONS, THE ITEMS LISTED ON THE SPECIAL INSPECTION FORM ON SHEET S-1 WILL ALSO REQUIRE SPECIAL INSPECTION IN ACCORDANCE WITH SECTION

1701 OF THE UNIFORM BUILDING CODE.

- WATER PIPING CONNECTIONS SHALL USE LEAD FREE SOLDER.
- 10 TEMPERED GLASS SHALL BE PERMANENTLY IDENTIFIED AND VISIBLE WHEN THE UNIT IS GLAZED.
- 11 CURB CUTS AND DRIVEWAYS SHALL CONFORM TO THE CIVIL GRADING PLAN AND ALL CITY OF SAN DIEGO STANDARDS AND ALL LOCAL
- 12 WATER HEATERS (BOILERS) SHALL COMPLY WITH THE CALIFORNIA 2001 CPC FOR THERMAL EXPANSION REQUIREMENTS.
- 13 THE SAFETY OF FIELD PERSONNEL DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE OWNER IF HE FEELS THAT ANY OF THE RECOMMENDED ACTIONS CONTAINED HEREIN TO BE UNSAFE.
- 14 ALL WORK SHALL COMPLY WITH THE SOILS REPORT RECOMMENDATIONS AND AS NOTED ON THE FOUNDATION PLAN SHEET S-1.
- 15 EXTERIOR DOORS MAY NOT SWING OUTWARD WHEN THERE IS GREATER THAN A 1" DROP BELOW FINISH FLOOR OF HOUSE.
- 16 FIREPLACES WITH GAS LOG LIGHTERS ARE REQUIRED TO HAVE THE FLUE DAMPER PERMANENTLY FIXED IN THE OPEN POSITION.
- 17 PLUMBING NOTE: ALL PRIMARY CONDENSATE LINES SHALL TERMINATE AT A TRAPPED PLUMBING FIXTURE.
- 18 ELECTRICAL NOTE: ALL BEDROOM AND ADJACENT AREA ELECTRICAL OUTLETS SHALL BE PROTECTED BY ARC FAULT CIRCUIT INTERRUPTERS (A.F.C.I.).
- 19 THE HIGHEST POINT OF THE ROOF, EQUIPMENT, OR ANY VENT, PIPE ANTENNA OR OTHER PROJECTION, SHALL NOT EXCEED 30 FEET ABOVE GRADE. ALSO COMPLY WITH THE HEIGHT RESTRICTIONS SHOWN ON THE ELEVATIONS WHICH ARE MORE RESTRICTIVE.

# SCOPE OF WORK

#### THE SCOPE OF WORK FOR THIS PROJECT IS TO REMOVE THE EXISTING SINGLE FAMILY RESIDENCE IN ITS ENTIRETY, AND TO CONSTRUCT A NEW SINGLE FAMILY RESIDENCE AND ATTACHED 4-CAR GARAGE, AS SHOWN ON THE PLANS AND DRAWINGS. THE EXISTING DRIVEWAY SHALL BE

- REMOVED. A NEW DRIVEWAY AND CURB CUT SHALL BE CONSTRUCTED (NEW DRIVEWAY AND CURB CUT PER CIVIL DRAWINGS BY OTHERS). AMENDED AND ADOPTED BY THE COUNTY OF SAN DIEGO. AFTER DEMOLITION OF THE EXISTING HOME, THE SITE WILL BE GRADED AND NEW "SITE RETAINING WALLS" SHALL BE CONSTRUCTED ACCORDING
  - TO CIVIL ENGINEERING DRAWINGS BY OTHERS AND UNDER SEPARATE PERMIT. (SEPARATE GRADING PERMIT AND SITE WALL PERMIT). THE NEW HOUSE WILL HAVE 4 BEDROOMS, 3 1/2 BATHROOMS, A GREAT ROOM, DINING ROOM, KITCHEN, LIVING ROOM, OFFICE, GYM,

INDOOR REC ROOM AND A COVERED "OUTDOOR ROOM" WHICH IS A COVERED PATIO.

## PROJECT DATA

ZONE: RS-1-4

NEW CONSTRUCTION: TYPE VN

**REQUIRED SETBACKS:** 

FRONT: 20' FROM PROPERTY LINE INTERIOR SIDE: 6' OR 10% OF LOT WIDTH

AVERAGE LOT WIDTH FOR FIRST 50' OF LOT DEPTH = 56' AT STREET + 59' AT 50' BACK = 57.5' AVERAGE LOT WIDTH THEREFORE SIDE SETBACK = 6' PER TABLE

REAR SETBACK: 10% OF LOT DEPTH =  $308' \times 10\% = 31'$ 

HEIGHT LIMIT: 24'/30'

LOT AREA = APPROX. 27,800 SQUARE FEET FLOOR AREA ALLOWED =  $.45 \times 27800 = APPROX$ . 12.500 GROSS FLOOR AREA = 5673 + 1275 + 410 = 7358 SQ.FT. PROPOSED FAR = 7358 / 27800 = APPROX. 27% << 45%...OK

UPPER LEVEL LIVING AREA = APPROX. 4070 SQ.FT. LOWER LEVEL LIVING AREA = APPROX. 1603 SQ.FT. TOTAL LIVING AREA BOTH FLOORS = APPROX. 5673 SQ.FT.

GARAGE AREA = APPROX. 1275 SQ.FT. UPPER DECK = APPROX. 407 SQ.FT. OUTDOOR ROOM (COVERED PATIO) = APPROX. 410 SQ.FT.

> CHECKED: RB DATE: SCALE: SHOWN

REVISIONS

AFFO BOB PHON FAX:

00 NO. C19660 GO O REN.: 5/8/11 M 20 SIGNATURE

THESE DRAWINGS ARE NOT

APPROVED FOR CONSTRUCTION

UNLESS SIGNED ABOVE BY T

ARCHITECT, AND APPROVED B

THE OWNER, AND BEAR THE

LOCAL BUILDING AND PLANNING

DEPARTMENT APPROVAL STAMPS

AND A BUILDING PERMIT

HAS BEEN OBTAINED.

SHEET 

SHEETS

(ALL GRADING, DRAINAGE, SITE WALL, AND UTILITY WORK SHALL BE PER CIVIL ENGINEERING DRAWINGS BY OTHERS, UNDER SEPARATE PERMITS)