

NOTICE TO CONTRACTORS

1. SPECIFICATIONS:

ALL WORK SHALL CONFORM TO THE LATEST EDITION AND SUPPLEMENTS OF "THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" (GREEN BOOK), AND THE CORRESPONDING "ADDITIONS AND AMENDMENTS TO THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" (BROWN BOOK).

2. PLAN REFERENCES:

THIS IMPROVEMENT CONSISTS OF WORK CALLED FOR ONLY ON THIS PLAN.

3. STANDARD PLANS FOR THIS PROJECT

TYPES OF CURB & GUTTER	S-410-2
JOINTS IN CONCRETE PAVEMENT	S-430-1
STREET CROWN SECTIONS	S-432-1
DRIVEWAYS	S-440-3
TREE WELL COVER TYPE A	S-450-2
TREE WELL ROOT BARRIER AND PLANTING	S-455-1
TREE STAKING AND GUYING DETAILS	S-683-0
ADVANCE CONSTRUCTION NOTICE SIGNS	S-791-1
CONCRETE BLOCK RETAINING WALL	B-3761
HOUSE CONNECTION SEWER	S-10-1
STD. SADDLE CONNECTION	27993
SEWER MANHOLE-GENERAL	S-140-0
BRICK MANHOLE	S-141-0
PRECAST CONCRETE SEWER MANHOLE	S-142-0
TERMINAL CLEAN OUT STRUCTURE "Y" (TCS "Y")	S-154-0
PIPE LAYING IN TRENCHES	S-251-1
MANHOLE FRAME & COVER 27-INCH	S-282-1

4. INSPECTION:

ALL WORK AND MATERIALS ARE SUBJECT TO INSPECTION PURSUANT TO SECTION 2-11 OF THE STANDARD SPECIFICATIONS. CALL (818) 374-1888 BEFORE NOON OF THE WORKING DAY BEFORE INSPECTION IS REQUIRED.

5. UNSTABLE SUBSTANCES:

THE CONTRACTOR, IN CONFORMANCE WITH LOS ANGELES CITY ORDINANCE NO. 150,478, SHALL POTHOLE EXISTING SUBSURFACE INSTALLATIONS CARRYING UNSTABLE SUBSTANCES TO DETERMINE THEIR LOCATIONS AND ELEVATIONS BEFORE COMMENCING EXCAVATION.

6. UNDERGROUND SERVICE ALERT:

BEFORE COMMENCING ANY EXCAVATION, THE CONTRACTOR SHALL OBTAIN AN UNDERGROUND SERVICE ALERT (USA) INQUIRY ID. NUMBER BY CALLING 1 (800) 227-2800. TWO WORKING DAYS SHALL BE ALLOWED AFTER THE ID. NUMBER IS OBTAINED AND BEFORE THE CONTRACTOR STARTS THE EXCAVATION WORK SO THAT UTILITY OWNERS CAN BE NOTIFIED. IF THE UTILITY OWNER IS THE CITY OF LOS ANGELES, A CONFIRMATION NUMBER INDICATING THE CITY HAS BEEN NOTIFIED SHALL BE OBTAINED BY USA AND/OR THE CONTRACTOR FROM THE APPROPRIATE CITY DEPARTMENT. THE ID. NUMBER TOGETHER WITH THE DATE ACQUIRED SHALL BE REPORTED TO THE BUREAU OF CONTRACT ADMINISTRATION WHEN CALLING FOR INSPECTION. ID. NUMBERS WILL NOT BE GIVEN MORE THAN 10 DAYS BEFORE STARTING EXCAVATION WORK.

7. AT LEAST THIRTY (30) DAYS BEFORE THE START OF CONSTRUCTION, THE CONTRACTOR/ENGINEER SHALL CONTACT BUREAU OF STREET SERVICES, COORDINATING SECTION AT (213) 466-5551 TO VERIFY THAT THERE IS NO PROPOSED PROJECT IN THIS AREA.

8. NOTIFICATION:

AT LEAST TEN (10) DAYS BEFORE THE START OF CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY, IN WRITING, ADJUTANT PROPERTY OCCUPANTS OF THE PROPOSED CONSTRUCTION START DATE. A COPY OF SAID WRITTEN NOTIFICATION SHALL BE PROVIDED TO THE INSPECTOR FOR APPROVAL BEFORE THEY ARE DISTRIBUTED TO THE OCCUPANTS OF THE ADJUTANT PROPERTY.

9. ADVANCE CONSTRUCTION NOTICE SIGNS:

IN ADDITION TO SIGNS REQUIRED BY THE PROVISIONS OF THE "WORK AREA TRAFFIC CONTROL HANDBOOK (WATCH)", LATEST EDITION, FURNISH AND PLACE SIGNS FOR GIVING ADVANCE NOTICE TO MOTORISTS OF TRAFFIC DISRUPTION AS PART OF THIS PROJECT IN ACCORDANCE WITH STANDARD PLAN S-791-1.

10. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "WORK AREA TRAFFIC CONTROL HANDBOOK (WATCH)" ADOPTED BY THE BOARD OF PUBLIC WORKS OF THE CITY OF LOS ANGELES.

11. CONSTRUCTION STAKES FOR CURB AND LONGITUDINAL GUTTER, WITH GRADE LESS THAN 0.50%, SHALL BE SET 12.5 FEET ON THE CENTER.

12. REMOVALS:

A. REMOVE ALL EXISTING IMPROVEMENTS THAT INTERFERE WITH THE CONSTRUCTION OF THIS PROJECT.
B. ALL UTILITIES SHALL BE REMOVED OR RELOCATED BY OTHERS.

13. UTILITY TRENCH RESURFACING:

IN ADDITION TO THE CONSTRUCTION OF PAVEMENT SHOWN HEREON, WORK REQUIRED UNDER THIS PLAN WILL ALSO INCLUDE THE CONSTRUCTION OF PERMANENT TRENCH RESURFACING IN ALL AREAS WHERE UTILITY LINES HAVE BEEN INSTALLED TO SERVE THIS DEVELOPMENT. CONDITIONS OF TRENCH BACKFILL AND RESURFACING SHALL BE AS SPECIFIED ON THE EXCAVATION PERMIT.

14. CURB AND GUTTERS:

REPAIR AND/OR REPLACE ANY EXISTING BROKEN OR OFF-GRADE PAVEMENT, CONCRETE CURB, GUTTER OR SIDEWALK IMMEDIATELY ADJACENT TO OR WITHIN THE AREA OF THIS IMPROVEMENT SATISFACTORY TO THE CITY ENGINEER.

15. SURVEY MONUMENT

SURVEY MONUMENT PRESERVATION IS REQUIRED AND SHALL INCLUDE SUBMITTAL OF PRE AND POST CONSTRUCTION SURVEY MONUMENT TIES TO THE ENGINEER, AS NOTED BY SECTION 2-4.3 OF THE "BROWN BOOK".

16. IMPORTANT NOTICE:

ALL REQUIRED PUBLIC IMPROVEMENTS MUST BE COMPLETED BEFORE A TEMPORARY CERTIFICATE OF OCCUPANCY OR A CERTIFICATE OF OCCUPANCY WILL BE ISSUED FOR THIS PROJECT PER ORDINANCE NO. 165C61.

17. TRAFFIC LANE REQUIREMENTS:

STANDARD TRAFFIC LANE REQUIREMENTS FOR MAJOR HIGHWAYS AND LOCAL STREETS FOR WORK LESS THAN 72-HOUR PERIOD SUBJECT TO WEEKDAY, NIGHTTIME, AND WEEKEND WORK HOUR RESTRICTIONS AND PERMIT PROCEDURES PER L.A.M.C. 41.40.

LAUREL CANYON BOULEVARD
ALL TRAFFIC LANES (INCLUDING THROUGH, TURNING, AND CURB LANES) SHALL BE UNOCCUPIED FROM 6:00AM TO 9:00AM, AND 3:30PM TO 7:00PM ON WEEKDAYS. MAINTAIN TWO SOUTHBOUND LANES OF TRAFFIC (NO LESS THAN 10-FOOT LANE WIDTH) AT ALL OTHER TIMES. NO OBSTRUCTION TO NORTHBOUND TRAFFIC AT ANY TIME.

KESWICK STREET AND VANTAGE AVENUE
MAINTAIN ONE TRAFFIC LANE OF TRAFFIC (THROUGH LANES) IN EACH DIRECTION AT ALL TIMES.

STANDARD REQUIREMENT FOR TRAFFIC CONTROL PLAN SUBMITTAL

ALL PLAN SUBMITTALS SHALL BE SUBMITTED 5 WORKING DAYS IN ADVANCE FOR REVIEW, MODIFICATION, AND ACCEPTANCE. STANDARD APPLICATIONS UTILIZING WATCH, L.A.M.C., CALIFORNIA MUTCD, CALTRANS STANDARD PLAN, AND LADOT STANDARD PLAN MAY BE SUBMITTED WITHOUT A REGISTERED CIVIL AND TRAFFIC ENGINEER'S SEALS.

ALL PLAN SUBMITTALS INVOLVING TEMPORARY STRIPPING AND CONCRETE BARRIERS REQUIRE THE SEALS AND SIGNATURES OF REGISTERED CIVIL AND TRAFFIC ENGINEERS IN THE STATE OF CALIFORNIA.

STANDARD ADDITIONAL REQUIREMENT FOR CURB-SIDE PARKING, DRIVEWAYS, AND ALLEYS

NO INTERFERENCE TO CURB-SIDE PARKING MANEUVERS AND ACCESS TO DRIVEWAYS AND ALLEYS AT ANY TIMES, UNLESS PRE-APPROVED. APPLICANTS WITH PRE-APPROVED INTERFERENCES MUST NOTIFY THE ADJUTANT PROPERTY 5-CALENDARY-DAY PRIOR TO COMMENCING WORK. THE LADOT SPECIAL TRAFFIC CONTROLS (213) 485-2266 SHALL BE CONTACTED 5 WORKING DAYS IN ADVANCE FOR INSTALLATION OF TEMPORARY PARKING STOPPING PROHIBIT ON AND/OR COVERING OF METER HEADS.

ANY AND ALL PLAN SUBMITTALS RELATIVE TO FULL-STREET-CLOSURE AND INTERSECTION-CLOSURE REQUIRE APPROVAL PROCEDURES PER LAMC 41.20.

18. DRAINAGE:

DRAINAGE FROM ALL LOTS SHALL BE CARRIED TO THE IMPROVED GUTTER BY MEANS OF A DRIVEWAY, APPROVED OUTLET STRUCTURE, OR SIDEWALK DRAIN (SECTION 306-7 GREENBOOK).

19. TREES AND TREE WELLS

A. TREE WELL COVERS, TYPE A PER STANDARD PLAN S-480-2 SHALL BE PROVIDED FOR TREES PLANTED WITHIN THE SIDEWALK AREA. WHEN EXISTING CURB TO BACK OF WALK IS LESS THAN EIGHT FEET, USE TYPE A-2 TREE WELLS. AND IF EIGHT FEET OR GREATER USE TYPE A-1 TREE WELLS.

B. PLANT 24-INCH BOX SIZE TREES OF A SPECIE QUANTITY AND LOCATION TO BE DETERMINED BY THE URBAN FORESTRY DIVISION. TREES SHALL BE STAKED PER STANDARD PLAN S-663-0.

C. THE CONTRACTOR SHALL NOTIFY THE URBAN FORESTRY DIVISION FIVE WORKING DAYS PRIOR TO CONSTRUCTING THE SIDEWALK FOR THE MARKING OF THE TREE LOCATIONS. CALL (213) 847-3088.

D. TREE REMOVAL:
PRIOR TO THE REMOVAL OF ANY STREET TREE, A BOARD REPORT MUST BE SUBMITTED AND APPROVED BY THE BOARD OF PUBLIC WORKS (30-60 DAYS FROM RECEIPT OF A FORMAL WRITTEN REQUEST.) A COPY OF THE PERMIT IS REQUIRED TO BE ON THE JOB SITE WHILE THE TREE WORK IS TAKING PLACE.

E. WARNING TO B-PERMITTEE:
IF YOU WISH TO CONSTRUCT A DRIVEWAY THAT MAY REQUIRE REMOVAL OF A STREET TREE, YOU MUST CONTACT THE URBAN FORESTRY DIVISION AT (213) 847-3088 FOR PRIOR APPROVAL. REMOVAL OF A STREET TREE WITHOUT A PERMIT IS A VIOLATION. FAILURE TO DISCLOSE THE EXISTENCE OF A STREET TREE MAY RENDER YOUR DRIVEWAY PERMIT NULL AND VOID.

F. ROOT TRIMMING:
TREE(S) MUST BE TRIMMED PRIOR TO ROOT PRUNING TO COMPENSATE FOR THE ROOT LOSS AND TO STABILIZE THE TREE. THE CROWN OF THE TREE IS TO BE REDUCED BY NO MORE THAN 25 PERCENT OF FOLIAGE (UNLESS APPROVED OTHERWISE BY AN URBAN FORESTRY ARBORIST). PRUNE THE ROOTS ON ONE SIDE OF THE ROOT SYSTEM ONLY (UNLESS APPROVED OTHERWISE BY AN URBAN FORESTRY ARBORIST). DO NOT PRUNE ROOTS LARGER THAN FOUR INCHES DIAMETER (PERMIT IS REQUIRED).

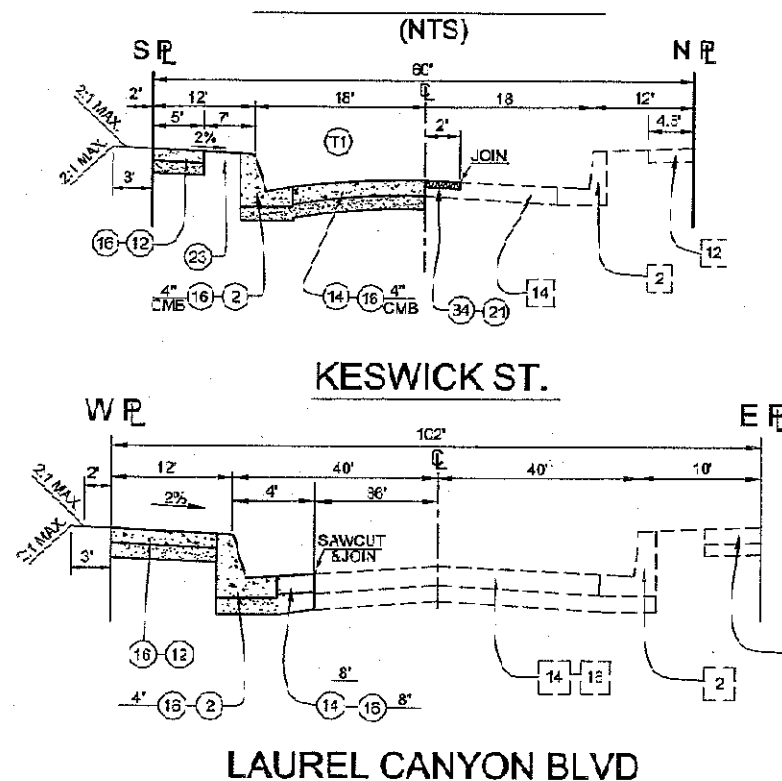
CONTRACTOR IS TO TRIM THE TREE(S) TO THE SATISFACTION OF THE URBAN FORESTRY DIVISION USING ANSI A300 STANDARDS AND/OR ISA PRUNING GUIDELINES. (PERMIT IS REQUIRED).

NOTIFY THE URBAN FORESTRY DIVISION AT (213) 847-3077 FIVE WORKING DAYS PRIOR TO TRIMMING AND/OR ROOT PRUNING FOR A REPRESENTATIVE TO INSPECT AND ISSUE THE NECESSARY PERMITS.

20. EXCAVATE AND EXPOSE THE EXISTING SEWER LOCATED IN LULL STREET AT STA. 13+14.52 FOR VERIFICATION OF THE INVERT ELEVATION BY THE PRIVATE ENGINEER. ANY NECESSARY ELEVATION OR GRADE ADJUSTMENT TO PLAN SHALL BE AS DETERMINED BY THE ENGINEER AND APPROVED AS A PART OF AN A/C PRIOR TO THE COMMENCEMENT OF PIPE INSTALLATION BY THE CONTRACTOR.

21. RESURFACE SEWER TRENCH IN ACCORDANCE WITH THE STD. SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

TYPICAL SECTIONS



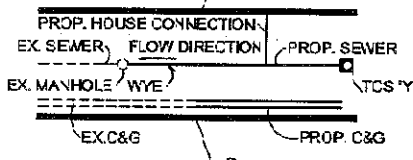
INDEX TO SHEETS

SHEET NO.	PLANS OF	FROM	TO
1	TITLE SHEET		
2	STREET		
2	KESWICK ST.	VANTAGE AVE.	140' W/O VANTAGE AVE.
2	LAUREL CYN BLVD.	60' W/O KESWICK ST.	60' S/O KESWICK ST.
3	LULL ST.	422' E/O ST CLAIR AVE.	572' E/O ST CLAIR AVE.
2	SEWER		
2	KESWICK ST.		
4	(H.C.'S ONLY)		
4	LULL ST.	417' E/O ST CLAIR AVE.	514' E/O ST CLAIR AVE.
5	ST. LIGHTING		

CONSTRUCTION NOTES AND SYMBOLS

- CONSTRUCT
- EXISTING
- REMOVE
- REMODEL EXIST.
- REMOVE & CONST.
- WORK BY OTHERS
- 2. TYPE C INTEGRAL CURB & GUTTER (b=2', b=6')
- 9. STREET OR ALLEY PER TYPICAL SECTION
- 10. CONCRETE DRIVEWAY
- 12. CONCRETE SIDEWALK
- 14. ASPHALT CONCRETE PAVEMENT
- 16. CRUSHED MISC. BASE (CMB)
- 21. GOLDPLANE (MILL) AC PAVEMENT
- 23. GRADE ONLY
- 24. PLANT TREE
- 26. TREE WELL
- 34. VARIABLE THICKNESS ASPHALT CONCRETE PAVEMENT, t=1.5" MIN
- 41. FIRE HYDRANT
- 42. ELECTROLIER
- 46. WATER METER
- 47. STREET SIGN
- 48. CONCRETE BLOCK RETAINING WALL PER STANDARD PLAN B-3761 (H=3')

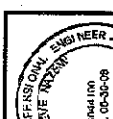
LEGEND



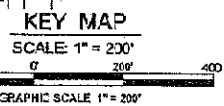
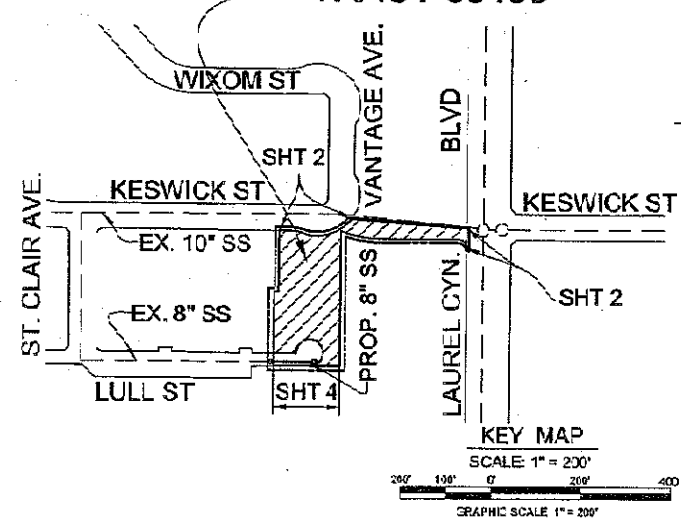
PARTICIPATION NOTE

THE LINE SHOWN THUS _____ HEREON INDICATES THE BOUNDARY OF ALL PROPERTY WHICH IS PARTICIPATING IN THE CONSTRUCTION COST OF THE SEWER SHOWN HEREON.

PERMITTEE SIGNATURE: *[Signature]* DATE: 1-9-08



TRACT 63405



TRACT NO. 63405 / VACE 140962 / APC 2008-143

PLANS PREPARED BY:
DHS & ASSOCIATES, INC.
275 CENTENNIAL WAY, SUITE 205
TUSTIN, CA 92780
TEL (714) 905-0008

DATE: 11-8-07

PROJECT: KESWICK ST. & VANTAGE AVE. SW CORNER

ADDRESS: 12136 KESWICK ST.
VAN NUYS, CA 91405

SHEET 1 OF 5 SHEETS

DRAWING NO. 1

NOTES, KEY MAP AND SECTION

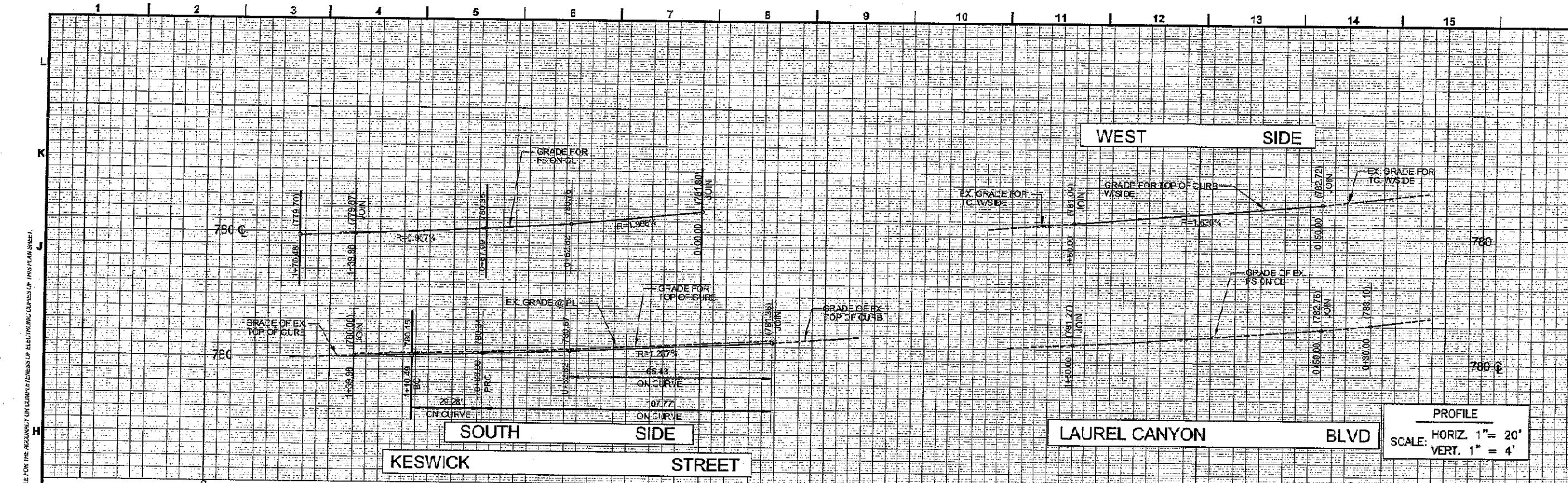
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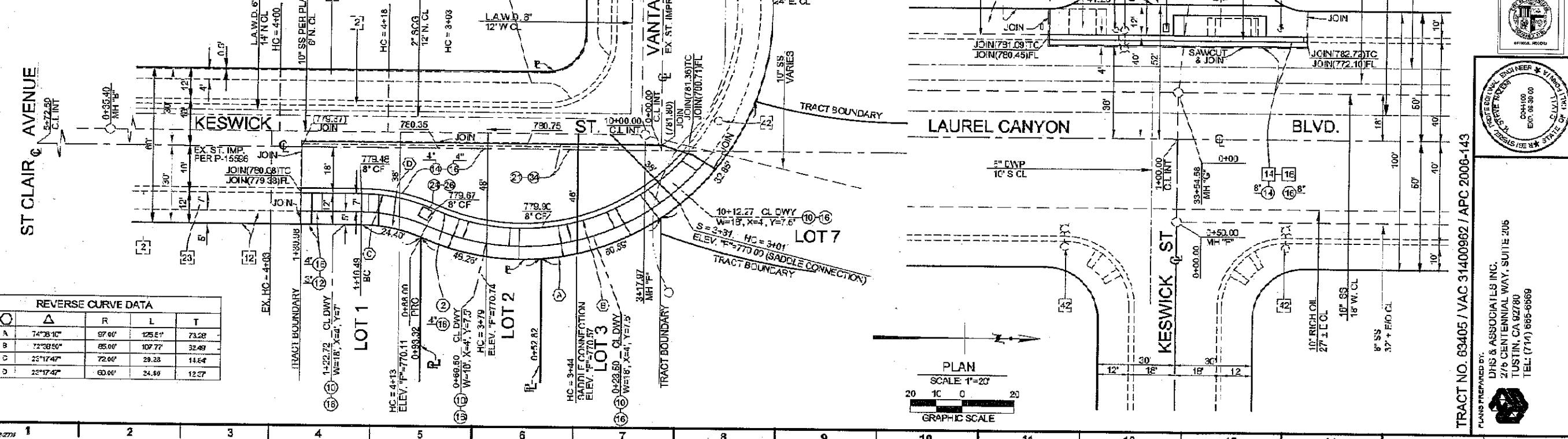
DRAWING NO. 1

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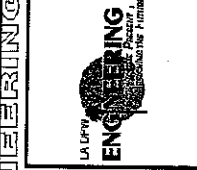
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- 41. FIRE HYDRANT
- 42. ELECTROLIER
- 46. WATER METER
- 47. STREET SIGN



REVERSE CURVE DATA				
Δ	R	L	T	
74°28'10"	57.60'	125.21'	73.28'	
72°38'50"	65.00'	107.77'	32.49'	
25°17'47"	72.00'	29.23'	11.64'	
25°17'47"	60.00'	24.49'	12.57'	

PROFILE
SCALE: HORIZ 1" = 20'
VERT. 1" = 4'



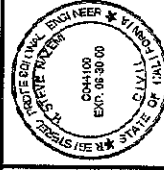
DATE: 1-10-08
BY: J. KHALIL
CHECKED BY: H. STEVE NAZEMI
DESIGNED BY: H. STEVE NAZEMI
DRAWN BY: H. STEVE NAZEMI
APPROVED BY: H. STEVE NAZEMI

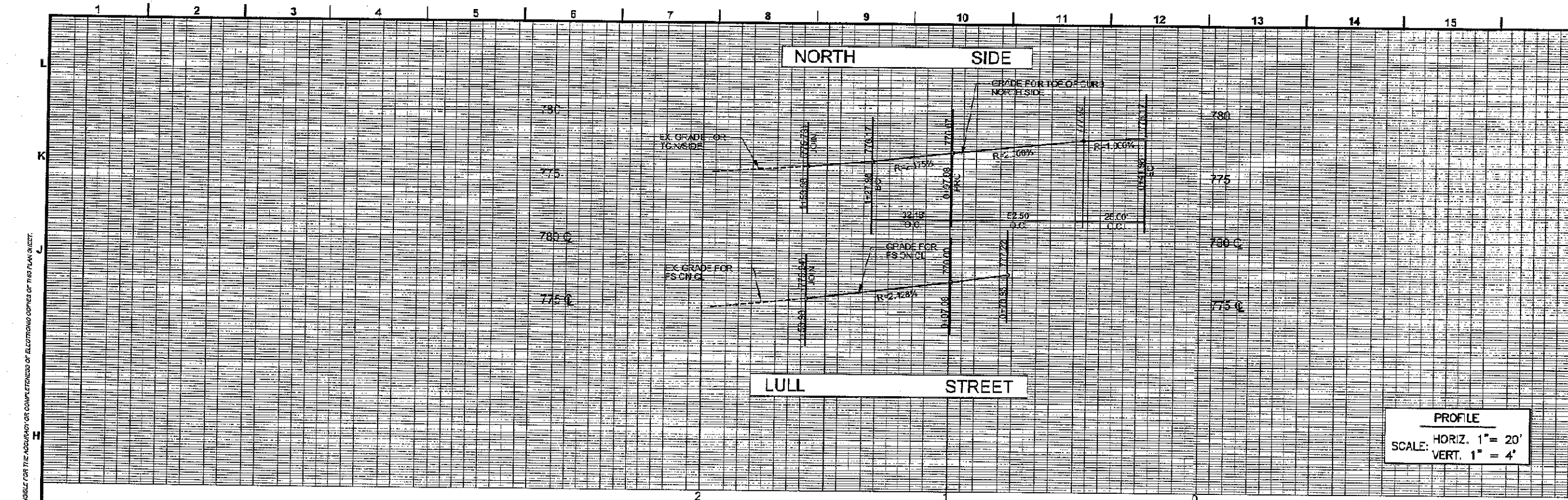
PROJECT TITLE: KESWICK ST. & VANTAGE AVE, SW CORNER
ADDRESS: 12136 KESWICK ST., VAN NUYS, CA 91405

PROJECT NO. 2
DRAWING NO. 2
SHEET 2 OF 5 SHEETS

TRACT NO. 63405 / VAC 31400962 / APC 2006-143

PLANS PREPARED BY:
DHS & ASSOCIATES INC.
276 CENTENNIAL WAY, SUITE 205
TUSTIN, CA 92780
TEL: (714) 865-6669





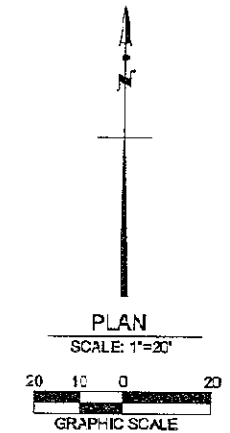
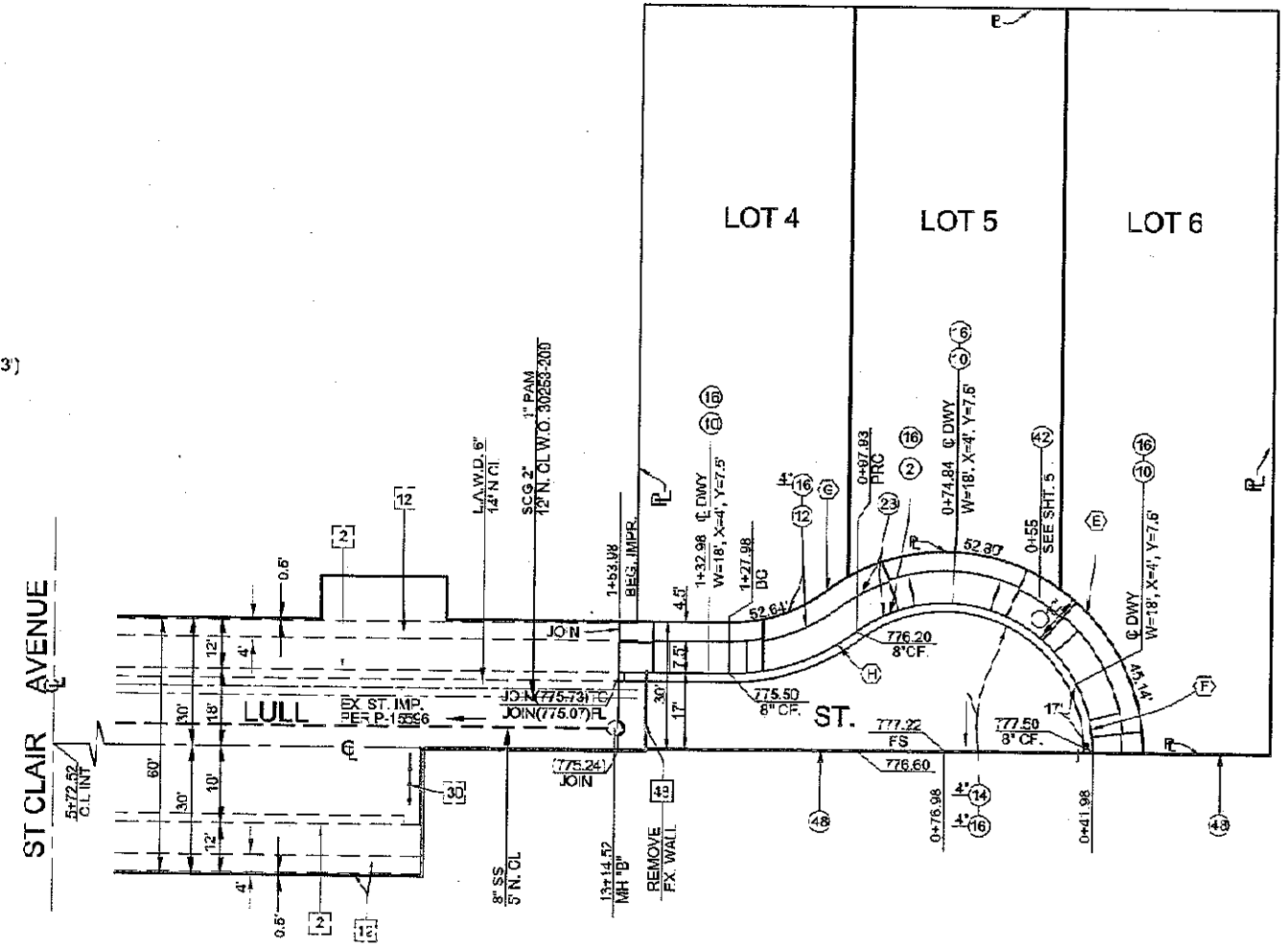
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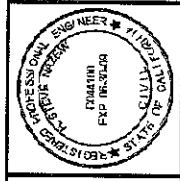
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10. CONCRETE DRIVEWAY
12. CONCRETE SIDEWALK
14. ASPHALT CONCRETE PAVEMENT
16. CRUSHED MISC. BASE (CMB)
23. GRADE ONLY
24. PLANT TREE
26. TREE WELL
30. WOODEN WARNING RAIL
42. ELECTROLIER
48. CONCRETE BLOCK RETAINING WALL PER STANDARD PLAN B-3761 (H=3')

REVERSE CURVE DATA				
Δ	R	L	T	
26°52'28"	47.03'	104.37'	94.20'	E
26°52'28"	35.03'	77.60'	76.30'	F
38°52'28"	38.03'	21.40'	12.37'	G
38°52'28"	60.03'	32.12'	16.37'	H



TRACT NO. 63405 / VAC 31400962 / APC 2006-143

DHS & ASSOCIATES INC.
276 CENTENNIAL WAY, SUITE 205
TUSTIN, CA 92780
TEL: (714) 866-6569



CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING	
DATE: 11-19-07	INDEX NO. P-36829
DESIGNED BY: H. STEVE NAZEM	APPROVED BY: H. STEVE NAZEM
DRAWN BY: H. STEVE NAZEM	CHECKED BY: H. STEVE NAZEM
PROJECT: KESWICK ST. & VANTAGE AVE. SW CORNER	ADDRESS: 12130 KESWICK ST. VAN NUYS, CA 91405
SHEET 3 OF 5 SHEETS	

NOTICE TO CONTRACTORS
GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE CITY OF LOS ANGELES ADOPTED EDITION AND SUPPLEMENT TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AS ADOPTED BY THE CORRESPONDING BOARD OF THE CITY OF LOS ANGELES.
- ELECTRICAL WORK SHALL BE INSTALLED WITH CONDUIT 2" BELOW THE CURB FACE AND WITH LUMINAIRE ARM ORIENTED OVER THE STREET AND PERPENDICULAR TO THE CURB LINE, EXCEPT OTHERWISE SPECIFIED HEREON.
- ELECTRICAL WORK SHALL BE LOCATED INSIDE OF THE CURB RETURN SHALL BE INSTALLED WITH THE CENTER OF THE ELECTRODE 30 INCHES FROM THE CURB FACE MEASURED RADIAL, AND WITH THE LUMINAIRE ARM ORIENTED OVER THE STREET AND PERPENDICULAR TO THE CURB LINE.
- ELECTRICAL WORK SHALL BE INSTALLED SO THAT THE BASE OF THE ELECTRODE IS PERPENDICULAR TO THE CURB AND LOCATED ON THE SIDE OF THE ELECTRODE AWAY FROM ONCOMING TRAFFIC.
- ALL EXISTING ELECTRICAL WORK SPECIFIED TO BE REMOVED OR MODIFIED ON THIS PLAN SHALL BE MAINTAINED IN SERVICE UNTIL THE NEW ELECTRICAL LIGHTING SYSTEM IS PLACED IN SERVICE. UNLESS OTHERWISE SPECIFIED HEREON, ALL OTHER ELECTRICAL WORK SPECIFIED BY THIS PLAN SHALL BE MAINTAINED IN SERVICE. CONTRACTOR MAY PROVIDE ALTERNATE LIGHTING IN LIEU OF MAINTAINING EXISTING ELECTRICAL WORK IN SERVICE PROVIDED THAT SUCH ARRANGEMENTS ARE APPROVED BY THE ENGINEER.
- ALL EQUIPMENT REQUIRED HEREON FOR FURNISHING ELECTRICAL SERVICE FOR EACH CIRCUIT SHALL BE INSTALLED AND INSPECTED PRIOR TO ANY OTHER CONSTRUCTION ON THAT CIRCUIT UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL GIVE WRITTEN NOTICE 22 HOURS IN ADVANCE OF THE REMOVAL OF AN ELECTRICAL TO AN PUBLIC AGENCY MAINTENANCE EQUIPMENT SUPPORTED BY THAT ELECTRODE.
- FOUNDATIONS AND PULLBOXES NOT REMAINING IN SERVICE SHALL BE REMOVED. THE RESULTING EXCAVATION SHALL BE FILLED WITH MATERIAL SIMILAR TO ADJACENT MATERIAL, AND SATISFACTORILY COMPACTED WITH A MECHANICAL COMPACTOR IN LAYERS NOT EXCEEDING 12 INCHES. THE SURFACE SHALL BE FINISHED TO MATCH THE ADJACENT SURFACE.
- THE CONTRACTOR SHALL REQUEST A BURN TEST BY NOTIFYING THE BUREAU OF CONTRACT ADMINISTRATION PROJECT INSPECTOR A MINIMUM OF 7 CALENDAR DAYS IN ADVANCE OF THE DATE ON WHICH A BURN TEST IS DESIRED.
- CONTRACTOR SHALL GIVE THREE WORKING DAYS NOTICE (PHONE 323-313-4740) PRIOR TO DELIVERY OF ANY EQUIPMENT SPECIFIED TO BE DELIVERED TO THE BUREAU OF STREET LIGHTING AND A USED SAFETY MONITOR BLVD. SUCH DELIVERIES SHALL BE BETWEEN 8:30 AM AND 5:00 PM AND SHALL INCLUDE ALL HANDLING AND LOADING FROM THE TRUCK BY THE CONTRACTOR. CONTRACTOR MUST SUPPLY A COPY OF THE STREET LIGHTING SHEET WITH THE DELIVERY OF MATERIAL.
- PULLBOXES LOCATED ADJACENT TO DRIVEWAYS AND ALLEYS SHALL BE INSTALLED AT A MINIMUM DISTANCE OF FIVE FEET FROM THE TOP OF THE CURB OF A CASE 1 OR CASE 2 DRIVEWAY OR AT A MINIMUM DISTANCE OF TWO FEET FROM THE B.C. OF A CASE 3 OR CASE 4 DRIVEWAY OR FIVE FEET FROM TRAVELLED WAY OF THE ALLEY.
- PULLBOXES INSTALLED AT INTERSECTIONS OF LOCAL STREET SHALL BE INSTALLED NO CLOSER TO THE INTERSECTIONS THAN THE B.C. OF AN ASSUMED FUTURE 25' RADIUS CURB RETURN UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- PULLBOXES INSTALLED AT INTERSECTIONS OF MAJOR OR MORE MAJOR OR SECONDARY STREET SHALL BE INSTALLED NO CLOSER TO INTERSECTIONS THAN THE B.C. OF AN ASSUMED FUTURE 30' RADIUS CURB RETURN UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- CONDUIT SHALL BE INSTALLED AROUND ALL EXISTING AND/OR PROPOSED CATCH BASINS PER BUREAU OF STREET LIGHTING STANDARD DRAWING NO. L-304-9 UNLESS OTHERWISE SPECIFIED.
- ALL SCREWS PROVIDED FOR ELECTRICAL STANDARD BASE DOORS AND BASE COVERS SHALL BE CADMIUM PLATED STEEL, 1/4"-20X MACHINE SCREWS, WITH PHILLIPS RECESSED ROUND HEAD.
- WARNING: SAFETY CLEARANCE SHALL BE OBTAINED DAILY FROM THE SERVING COMPANY, AND "MEN AT WORK" SIGNS SHALL BE POSTED AT THE SERVICE POINT BEFORE ANY WORK IS DONE OR ANY CONNECTIONS MADE ON AN EXISTING CIRCUIT.
- UNLESS OTHERWISE SPECIFIED HEREON, LUMINAIRES SHALL PROVIDE A MEDIUM, CIRCULAR, TYPE III, LIGHTING DISTRIBUTION PATTERN CONFORMING TO IES DESIGNATION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING THE CONDITION OF ALL EXISTING EQUIPMENT TO BE REMOVED, MODIFIED OR RETURNED TO THE BUREAU OF STREET LIGHTING.
- EQUIPMENT INDICATED "DISPOSE" SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND BE DISPOSED OF BY THE CONTRACTOR.
- STREET LIGHTING CONDUIT SHALL BE INSTALLED BY JACKING OR DRILLING METHODS. INSTALLATION OF CONDUIT BY OPEN TRENCHING IS NOT PERMITTED UNLESS APPROVED BY THE DIRECTOR, BUREAU OF STREET LIGHTING.
- CONTRACTOR SHALL REPAIR AT HIS COST THE DAMAGE CAUSED TO EXISTING STREET LIGHTING FACILITIES DUE TO BE DAMAGED DURING THE CONSTRUCTION OF THIS PROJECT. REPAIRS SHALL BE MADE WITHIN 5 WORKING DAYS AFTER DAMAGE OCCURS.
- ALL ELECTRICALS SPECIFIED HEREON SHALL INCLUDE A TYPE 2 PULLBOX TO BE SUPPLIED AND INSTALLED, UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXISTING ELECTRICALS SPECIFIED TO BE RELOCATED AND MODIFIED ON THIS PLAN. PRIOR TO RELOCATION, CONTRACTOR SHALL REPAIR OR REPLACE ALL EXISTING STREET LIGHTING FACILITIES DUE TO BE DAMAGED PRIOR TO START OF OR DURING THE CONSTRUCTION OF THIS PROJECT AT NO COST TO THE CITY.

SUPPLEMENTAL NOTES

- CONTRACTOR SHALL LOCATE & PROTECT SUBSTRUCTURES SHOWN HEREON, & SHALL PROVIDE FOR A MINIMUM 12" HORIZONTAL CLEARANCE BETWEEN FOUNDATION & SUBSTRUCTURES. IN THE EVENT A 12" CLEARANCE CANNOT BE ACHIEVED, THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR RELOCATION OF ELECTRICALS AT NO COST TO THE CITY.
- IN THE EVENT OF OVERHEAD LINES COME IN CONTACT WITH ELECTRICALS, THE CONTRACTOR SHALL MAKE NECESSARY ARRANGEMENTS WITH THE DEPT. OF WATER AND POWER TO RAISE THEIR OVERHEAD FACILITIES IN ORDER TO PROVIDE FOR THE FOLLOWING CLEARANCES WITH EXISTING AND/OR PROPOSED ELECTRICALS:
LOW VOLTAGE: MINIMUM 3' CLEARANCE BETWEEN OVERHEAD LINES AND ELECTRICALS
HIGH VOLTAGE: MINIMUM 5' CLEARANCE BETWEEN OVERHEAD LINES AND ELECTRICALS
- STREET TREES SHALL NOT BE PLANTED CLOSER THAN 20' FROM EXISTING OR PROPOSED ELECTRICAL UNLESS OTHERWISE INDICATED.
- IN THE EVENT OF OVERHEAD COMMUNICATION LINE CONTACT WITH ELECTRICALS, CONTRACTOR SHALL MAKE NECESSARY ARRANGEMENTS TO PROVIDE A MINIMUM 3' CLEARANCE.
- PROPOSED ELECTRICAL FOUNDATIONS AND PULLBOXES SHALL BE INSTALLED OUTSIDE OF ACCESS RAMP AREAS. EXISTING FOUNDATIONS AND PULLBOXES SHALL BE RECONSTRUCTED TO CLEAR ACCESS RAMP BY A MINIMUM OF 12". EXISTING CONDUIT SHALL BE LOWERED AS NECESSARY PER SEC. 307-2.5 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS.
- THE CONTRACTOR SHALL INSTALL REQUIRED PHOTOELECTRIC CONTROLS. THE CONTROLS MAY BE 30" ABOVE THE DEPT. OF WATER AND POWER (DWP) STREET LIGHTING MAINTENANCE - ENDANGERED 8' 1/2" HIGHER STREET LIGHTING MAINTENANCE - SUPERSEDED AT 10' 1/2" 367-9945. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL PHOTOELECTRIC CONTROLS SERVICE BY DWP OPERATING CONDITION UNTIL SATISFACTORY COMPLETION OF THE BURN TEST. THE INSTALLED CONTROLS SHALL BE ORIENTED IN A NORTHERLY DIRECTION.
- CONDUIT THAT IS TO BE ABANDONED SHALL HAVE WIRES REMOVED. THE CONDUIT SHALL BE REMOVED TO A DEPTH OF AT LEAST 12" BELOW THE SURFACE AND HAVE BOTH ENDS CORDED.
- NOTWITHSTANDING SECTION 169502 OF THE STANDARD SPECIFICATIONS FOR THE CONSTRUCTION STREET LIGHTING SYSTEMS, MAGNETIC REGULATING BALLASTS ARE REQUIRED IN ALL COBRA-HEAD LUMINAIRES.
- ALL #10 AND WIRES USED FOR MULTIPLE CIRCUIT ELECTRICALS REFERENCED IN STANDARD DRAWING NO. L-301-1 SHALL BE #10 AND SOLID COPPER CONDUCTORS.
- AT EXISTING TWO (2) WORKING DAYS PRIOR TO STARTING ANY EXCAVATION, THE CONTRACTOR MUST OBTAIN AN HOUR I.D. PERMIT FROM UNDERGROUND SERVICE AGENCY (USDA) 323-313-4740.

SERIES CIRCUIT NOTES

- WARNING: SAFETY CLEARANCE SHALL BE OBTAINED DAILY FROM THE SERVING COMPANY, AND "MEN AT WORK" SIGNS SHALL BE POSTED AT THE SERVICE POINT BEFORE ANY WORK IS DONE OR ANY CONNECTIONS MADE ON AN EXISTING CIRCUIT. SEE SECTIONS 16950 AND 2100 OF STANDARD SPECIFICATIONS.
- SERIES CIRCUIT WIRE SHALL BE NO. 6 AWG STRANDED COPPER CONDUCTOR, INSULATED WITH 3-10" APPROVED POLYETHYLENE COMPOUND RATED FOR 6,000 VOLT OPERATION.
- TWO OR MORE TURNS OF SELF-ADHESIVE COLORED TAPE WITH A MINIMUM WIDTH OF 1/2" INCH SHALL BE APPLIED TO EACH CABLE IN ALL SERIES CIRCUITS WHERE WORK IS BEING DONE AND WHERE TWO OR MORE CABLES EXIST AT A CONDUIT, PULLBOX OR POST BASE. THE TAPE SHALL BE APPLIED ON THE CABLE BETWEEN THE SPLICES AND THE CONDUIT, USING ONE COLOR FOR EACH CIRCUIT. THE COLORS WHITE, GRAY, GREEN AND ORANGE SHALL NOT BE USED.
- CONTRACTOR SHALL GIVE THE BUREAU OF STREET LIGHTING (PHONE 323-313-4740) TWO WORKING DAYS NOTICE BEFORE ANY WORK IS DONE ON AN EXISTING CIRCUIT.

SERIES CIRCUIT DIAGRAM - LEGEND

- NEW WIRE
- EXISTING WIRE
- DISCONNECT AND REMOVE WIRE
- CONNECT WIRE
- DISCONNECT WIRE AND TAPE ENDS
- NEW LAMP
- EXISTING LAMP
- REMOVE EXISTING LAMP

MULTIPLE CIRCUIT NOTES

- WARNING: SAFETY CLEARANCE SHALL BE OBTAINED DAILY FROM THE SERVING COMPANY, AND "MEN AT WORK" SIGNS SHALL BE POSTED AT THE SERVICE POINT BEFORE ANY WORK IS DONE OR ANY CONNECTIONS MADE ON AN EXISTING CIRCUIT. SEE SECTIONS 16950 AND 2100 OF STANDARD SPECIFICATIONS.
- MULTIPLE CIRCUIT WIRE SHALL BE NO. 6 AWG STRANDED COPPER CONDUCTOR, TYPE THW/THHN INSULATION, U. APPROVED FOR 900 VOLT OPERATION UNLESS OTHERWISE SPECIFIED HEREON.
- THREE WIRES (COLOR CODE: 1-RED, 1-BLACK, 1-WHITE) SHALL BE INSTALLED IN ALL MULTIPLE CIRCUIT CONDUIT UNLESS OTHERWISE PROVIDED FOR HEREON.
- EVEN NUMBERED ELECTRODES SHALL BE CONNECTED TO RED AND WHITE WIRES AND ODD NUMBERED ELECTRODES SHALL BE CONNECTED TO BLACK AND WHITE WIRES.
- ELECTRICALS SHALL BE WIRING PER TYPICAL MULTIPLE CIRCUIT ELECTRICAL WIRING DETAIL, BUREAU OF STREET LIGHTING STANDARD DRAWING NO. L-301-1, UNLESS OTHERWISE SPECIFIED.
- MULTIPLE CIRCUITS IN CONDUITS CONTAINING MORE THAN THREE CONDUCTORS SHALL BE APPROPRIATELY IDENTIFIED BY LABELING CONDUITS "A", "B", ETC. WITH APPROVED SELF-LAMINATING LETTER TAPE APPLIED AT LEAST TWICE AROUND THE CONDUCTOR IN EACH PULLBOX (P.L. BRAND, SPECIAL SELF-LAMINATING WIRE MARKERS OR EQUIVALENT).

LEGEND

- EXISTING ELECTRICAL TO BE RELOCATED
- EXISTING UTILITIES LIGHTS ON WOODEN POLES WHICH SHALL BE MAINTAINED IN SERVICE UNTIL THE PERMANENT ELECTRICAL LIGHTING SYSTEM IS PLACED IN SERVICE. CONTRACTOR MAY PROVIDE ALTERNATE LIGHTING IN LIEU OF MAINTAINING EXISTING UTILITIES LIGHTS IN SERVICE PROVIDED THAT SUCH ARRANGEMENTS ARE APPROVED BY THE ENGINEER.
- EXISTING ELECTRICAL TO BE REMOVED. (SEE GENERAL NOTE 3)
- NEW ELECTRICAL
- EXISTING ELECTRICAL NOT TO BE REMOVED OR MODIFIED
- PULLBOX TYPE 2 UNLESS OTHERWISE SHOWN HEREON (STANDARD DRAWING NO. L-301-1), ADDITIONAL PULLBOXES SHALL BE REQUIRED AS SPECIFIED
- EXISTING 1" CONDUIT
- EXISTING 1 1/2" CONDUIT
- EXISTING 2" CONDUIT
- NEW 1" CONDUIT
- NEW 1 1/2" CONDUIT
- NEW 2" CONDUIT
- RELOCATED CONDUIT (SEE GENERAL NOTE NO. 3 & SUPPLEMENTAL NOTE NO. 7)
- EXISTING ELECTRICAL FOUNDATION
- FUTURE ELECTRICAL
- PROPOSED CATCH BASIN
- ELECTRICALS TO BE INSTALLED AT THE INTERSECTION. FOR PROP. 213 SECTION USE ONLY. (GENERAL NOTE 7)

NOTICE TO CONTRACTORS
MATERIAL LIST

FOLLOWING IS A SUMMARY OF NEW ELECTRICALS, LUMINAIRES, LAMPS, BALLASTS, FOUNDATIONS AND OTHER EQUIPMENT WHICH SHALL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR. THIS IS NOT INTENDED TO BE A COMPLETE LIST OF ALL MATERIALS REQUIRED.

SYMBOL	ITEM	QUANTITY	DESCRIPTION	STANDARD PLAN NO.	REV.
○	ELECTRODE	2	CD-351A W/ TYPE 2 PULLBOX	E-5555	5
○	LUMINAIRE	2	100W HPS VLT. INT. BALLAST, F.E. 2, 2, 2, 2	*	
○	LAMP	2	100W HPS (3-54)	*	
○	LUMINAIRE	1	200W HPS SER. EXT. BALLAST, 2, 2, 2, 2	*	
○	LAMP	1	200W HPS (3-38)	*	
○	BALLAST	1	200W HPS EXT. BALLAST	*	

* SET LUMINAIRE TO I.E.S. MEDIUM, 2, 2, 2, 2 TYPE III LIGHTING DISTRIBUTION.

MATERIAL LIST NOTES

- ALL COBRA-HEAD TYPE LUMINAIRES SHALL BE INSTALLED WITHOUT STARTER AND ADHERE TO GENERAL NOTE 16. ALL LAMP LUMINAIRES COBRA-HEAD TYPE LUMINAIRES SHALL BE "EYE INITION" PER CORRESPONDING EYE LIGHTING INTERNATIONAL OF NORTH AMERICA CATALOG #S AS FOLLOWS OR BSL APPROVED EQUAL:
70W-59685, 100W-59686, 150W-59707, 200W-39911, 250W-30012, 310W-6000C, 400W-60110
- ALL COBRA-HEAD TYPE LUMINAIRES WITH P.E. SHALL BE SUPPLIED WITH TELEVISION CHANGING, TELEVISION DEVICE(S) SHALL BE SUPPLIED BY THE CONTRACTOR.
- CONTRACTOR SHALL REMOVE THE CHANGING BAR CODE STICKER FROM THE SIDE OF THE PLASTIC HOUSING (NOT BOTTOM) AND PLACE IT ON THE INSTALLATION PLAN SHEET NEXT TO THE LOCATION OF THE APPROPRIATE LUMINAIRE. PLACE PROTECTIVE TAPE OVER THE BAR CODE STICKER. FORWARD THE PLAN SHEETS TO THE CITY INSPECTOR FOR INCLUSION IN AS-BUILTS.
- INDICATES REMOVE AND DISPOSE OF EXISTING LUMINAIRE, LAMP AND BALLAST. INSTALL NEW EQUIPMENT PER MATERIAL LIST.

CIRCUIT DIAGRAM

- LOWER EXISTING CONDUIT OR INSTALL NEW 1" CONDUIT TO MEET I.V. SPECIFICATIONS
- INSTALL FUSEHOLDERS, FUSES AND CONNECT WIRES INSIDE TYPE 2 PULLBOX
- TAPE ENDS OF SPARE WIRE
- INSTALL THREE MULTIPLE CIRCUIT WIRES (COLOR CODE: 1-RED, 1-BLACK, 1-WHITE)
- REMOVE EXISTING STREET LIGHTING WIRES
- MULTIPLE SERVICE LOCATION INTERFERENCE CONDUIT INSTALLED BY OTHERS AND INSTALL TYPE 3 SERVICE PULLBOX. VERIFY EXISTING LOCATION OF CONDUIT, FROM DEPT. OF WATER AND POWER UNDERGROUND ENGINEERING FIVE DAYS PRIOR TO START OF WORK AT THIS LOCATION. (PHONE 213-387-3300)
- CONTRACTOR SHALL REQUEST A PERMIT TO PLANT TREES FROM THE URBAN FORESTRY DIVISION (213) 847-3007. THE DATE PRIOR TO THE INSTALLATION OF ELECTRICAL. ALL TREE WORK SHALL BE PERFORMED TO TREE CARE PROFESSION BEST MANAGEMENT PRACTICES AND TO THE SATISFACTION OF THE URBAN FORESTRY DIVISION.
- INSTALL APPROVED CONNECTING DEVICES PER DETAIL "B" BUREAU OF STREET LIGHTING STANDARD DRAWING NO. L-301-1.
- INSTALL APPROVED CONNECTING DEVICES PER DETAIL "C" BUREAU OF STREET LIGHTING STANDARD DRAWING NO. L-301-1.
- MULTIPLE SERVICE LOCATION. INSTALL 1" OF 2" GALVANIZED CONDUIT SERVICE RISER ON POLE. EXTEND CONDUIT TO THE ALLEY 3". AND INSTALL TYPE 2 PULLBOX UNLESS OTHERWISE SPECIFIED. INSTALL PULLWIRE.
- INSTALL FIVE MULTIPLE CIRCUIT WIRES (COLOR CODE: 2-RED, 2-BLACK, 1-WHITE)
- INSTALL TWO MULTIPLE CIRCUIT WIRES (COLOR CODE: 1-BLACK, 1-WHITE)
- INSTALL TWO MULTIPLE CIRCUIT WIRES (COLOR CODE: 1-RED, 1-WHITE)
- INSTALL 1" CONDUIT END.
- INSTALL ADDITIONAL 2" CONDUIT 30" FOR TRAFFIC SIGNAL WIRING.
- INSTALL ONE APPROVED FUSE HOLDER WITH 30 AMP FUSE BETWEEN EACH SERVICE WIRE (NOT NEUTRAL WIRE) OR SERVICE WIRE CONNECTING DEVICE AND STREET LIGHTING CIRCUIT WIRE. SERVING COMPANY WILL INSTALL SERVICE.
- JOIN CONDUIT
- MULTIPLE SERVICE LOCATION. INSTALL TYPE 2 PULLBOX UNLESS OTHERWISE SPECIFIED. POLE AND 10' OF 2" GALVANIZED CONDUIT ARE REQUIRED. REEF ON POLE. INSTALL PULLBOX NO CLOSER THAN 3' AND NO FURTHER THAN 15' FROM THE SERVICE POLE.
- SERIES SERVICE POLE. INSTALL ONE TERMINAL, CUTOFF BOX STANDARD PLAN 3-3724 WITH ONE DISCONNECTING SWITCH FOR EACH CIRCUIT. SERVING COMPANY WILL INSTALL SERVICE.
- CONSTRUCT CASE 4 DRIVEWAY RETURN PER STANDARD PLAN NO. S-440
- CONSTRUCT CASE 3 DRIVEWAY RETURN PER STANDARD PLAN NO. S-440
- INTERCEPT CONDUIT AND INSTALL PULLBOX
- "HOLD AND CAP CONDUIT" AT END OF IMPROVEMENT.
- NET. CONDUIT ONLY.
- CONNECT WIRES PER CIRCUIT DIAGRAM WHERE APPLICABLE.
- TERMINATE CONDUIT IN STREET LIGHTING PULLBOX

THE ABOVE NOTES ARE APPLICABLE ONLY WHERE SPECIFIED ON THIS PLAN.

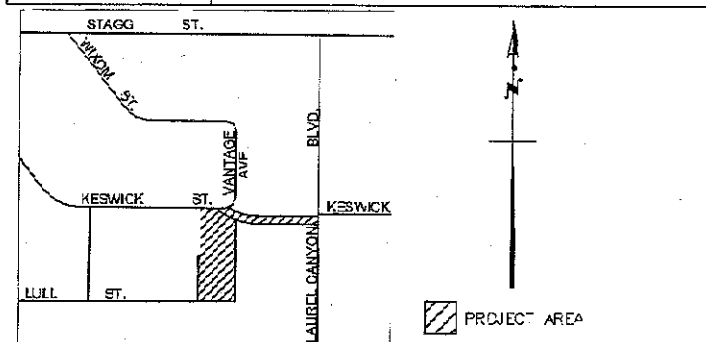
DELTA NOTES

NOTICE TO CONTRACTOR/CITY INSPECTOR

ELECTRODE(S) SPECIFIED HEREON SHALL NOT BE INSTALLED UNTIL THE LEGAL REQUIREMENTS OF PROPOSITION 213 HAVE BEEN MET. CONTACT THE PROPOSITION 213 COMPLIANCE SECTION AT (213) 847-1500 FOR FURTHER INFORMATION.

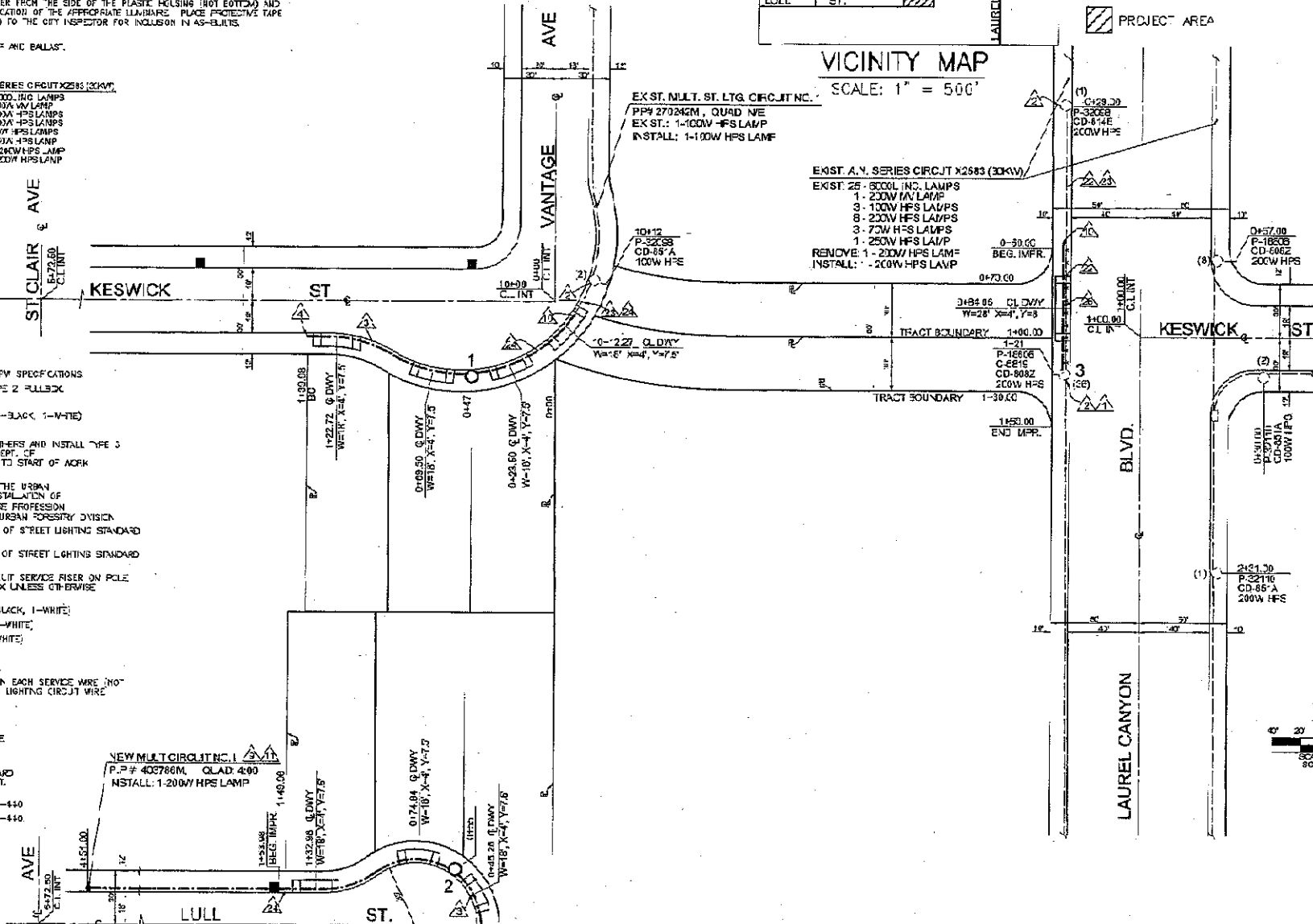
PLAN OF ELECTRODE LIGHTING SYSTEM

(W)=MAJOR, (S)=SECONDARY, (L)=LOCAL, (C)=COLLECTOR STREET	FROM	TO
KESWICK ST. (L)	VINTAGE AVE. (L)	140' W/O VINTAGE AVE.
LULL ST. (L)	423' E/O ST. CLAIR AVE. (L)	572' E/O ST. CLAIR AVE. (L)



VICINITY MAP

SCALE: 1" = 500'



TRACT NO. 63405 / VAC 31400962 / APC 2006-143
KESWICK ST. & VINTAGE AVE. SW CORNER
BD-204577 8C-



DHS & ASSOCIATES INC.
275 CENTENNIAL WAY, SUITE 205
TUSTIN, CA 92780
TEL: (714) 665-6569



CITY OF LOS ANGELES ED EBRABHIAN, DIRECTOR BUREAU OF STREET LIGHTING	
OTHER DEPARTMENTAL ACCEPTANCE	
DEPARTMENT	ENGINEER
ENGINEERING DISTRICT OFFICE	12.21.07
DEPT. OF TRANSPORTATION	12.21.07
STREET SERVICES DIVISION	12.21.07
ENGINEERING STRUCTURAL	