

ORANGEVALE COMMUNITY CENTER NEW PARKING LOT CONNECTION

ORANGEVALE, CALIFORNIA

PROJECT APPLICANT:

ORANGEVALE RECREATION AND PARK DISTRICT
 6826 HAZEL AVENUE, ORANGEVALE, CA 95662
 ph: (916) 988-4373

LANDSCAPE ARCHITECT
 MTW GROUP
 PETER LARIMER
 2707 K STREET, SUITE 201
 SACRAMENTO, CA 95816
 916-369-3990

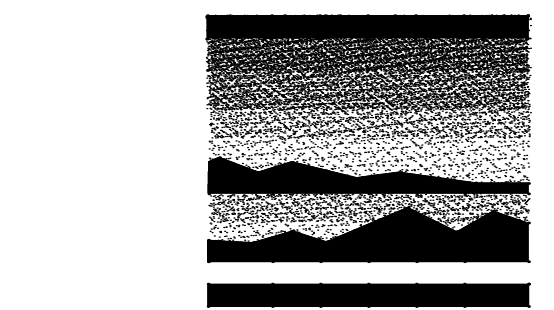
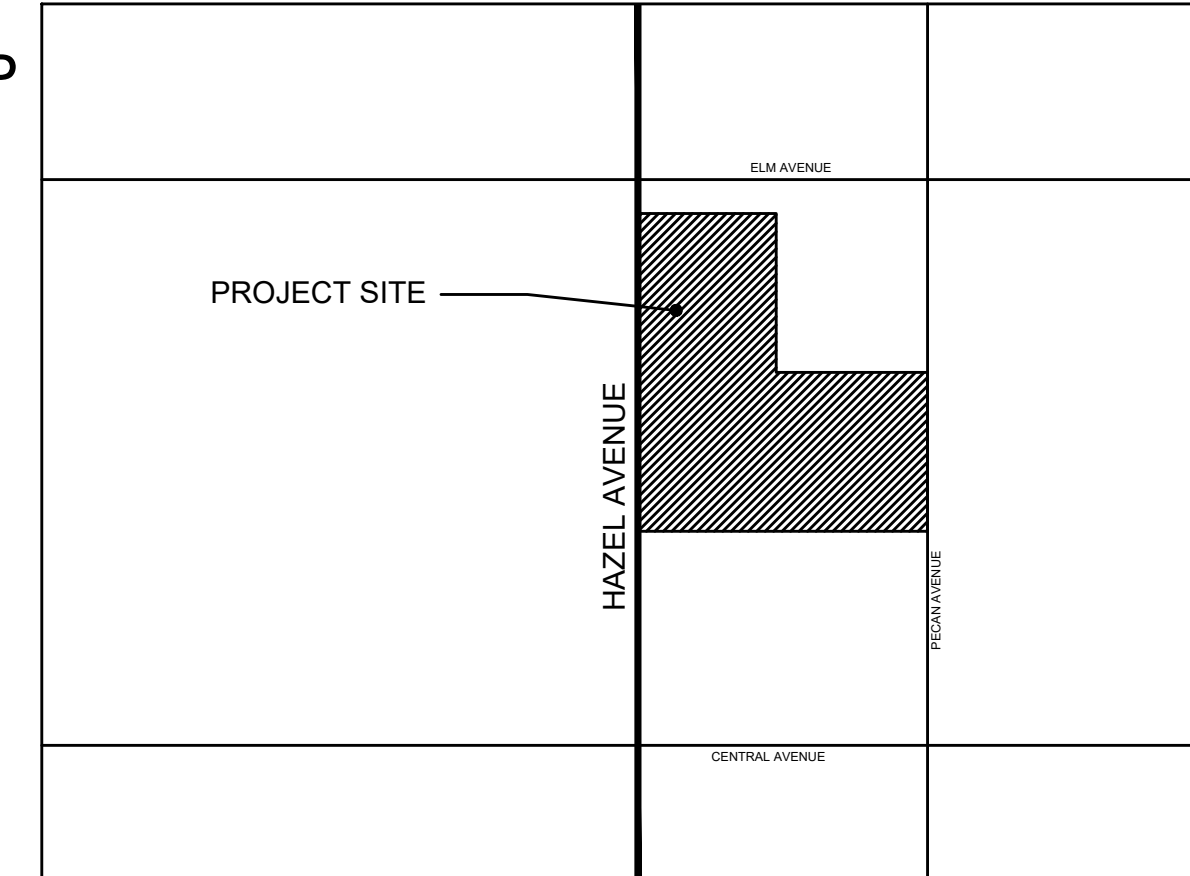
CIVIL ENGINEER
 WARREN CONSULTING ENGINEERS
 MARTY GEE
 1117 WINDFIELD WAY, SUITE 100
 EL DORADO HILLS, CA 95762
 916-985-1870

THE OWNER, APPLICANT, OR REPRESENTATIVE MUST REPRODUCE AND DELIVER THREE (3) PLAN SETS TO SACRAMENTO COUNTY'S CONSTRUCTION MANAGEMENT AND INSPECTION DIVISION (CMID) LOCATED AT 9700 GOETHE ROAD SUITE "D" SACRAMENTO, CA 95827. A PRE-CONSTRUCTION CONFERENCE IS MANDATORY PRIOR TO COMMENCING IMPROVEMENTS. CONTACT CMID - JEFF TERNES (916) 875-2760.

SHEET INDEX

- | | |
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VICINITY MAP



MTW group
 LANDSCAPE ARCHITECTURE
 AND PLANNING
 2707 K STREET, SUITE 201
 SACRAMENTO, CA 95816
 916 369-3990



Peter D. Larimer C-5284

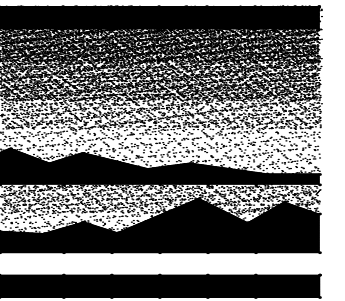
The Landscape Architects do not represent that these plans or the specifications in connection therewith are suitable, whether or not modified for any other site than the one for which they were specifically prepared. The Landscape Architects disclaim responsibility for those plans and specifications if they are used in whole or in part at any other site.

AGENCY APPROVAL		REVISIONS	
AGENCY	DATE	NO.	DESCRIPTION

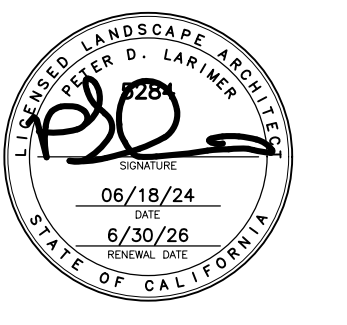
ORANGEVALE COMMUNITY CENTER NEW PARKING LOT CONNECTION
 ORANGEVALE RECREATION AND PARK DISTRICT
 6826 HAZEL AVENUE
 ORANGEVALE, CALIFORNIA 95662

DATE: 06/18/24
 JOB NO.: 22-018
 SHEET TITLE: **COVERSHEET**
 SHEET NO.:

CVR
 SHEET **1** OF 10



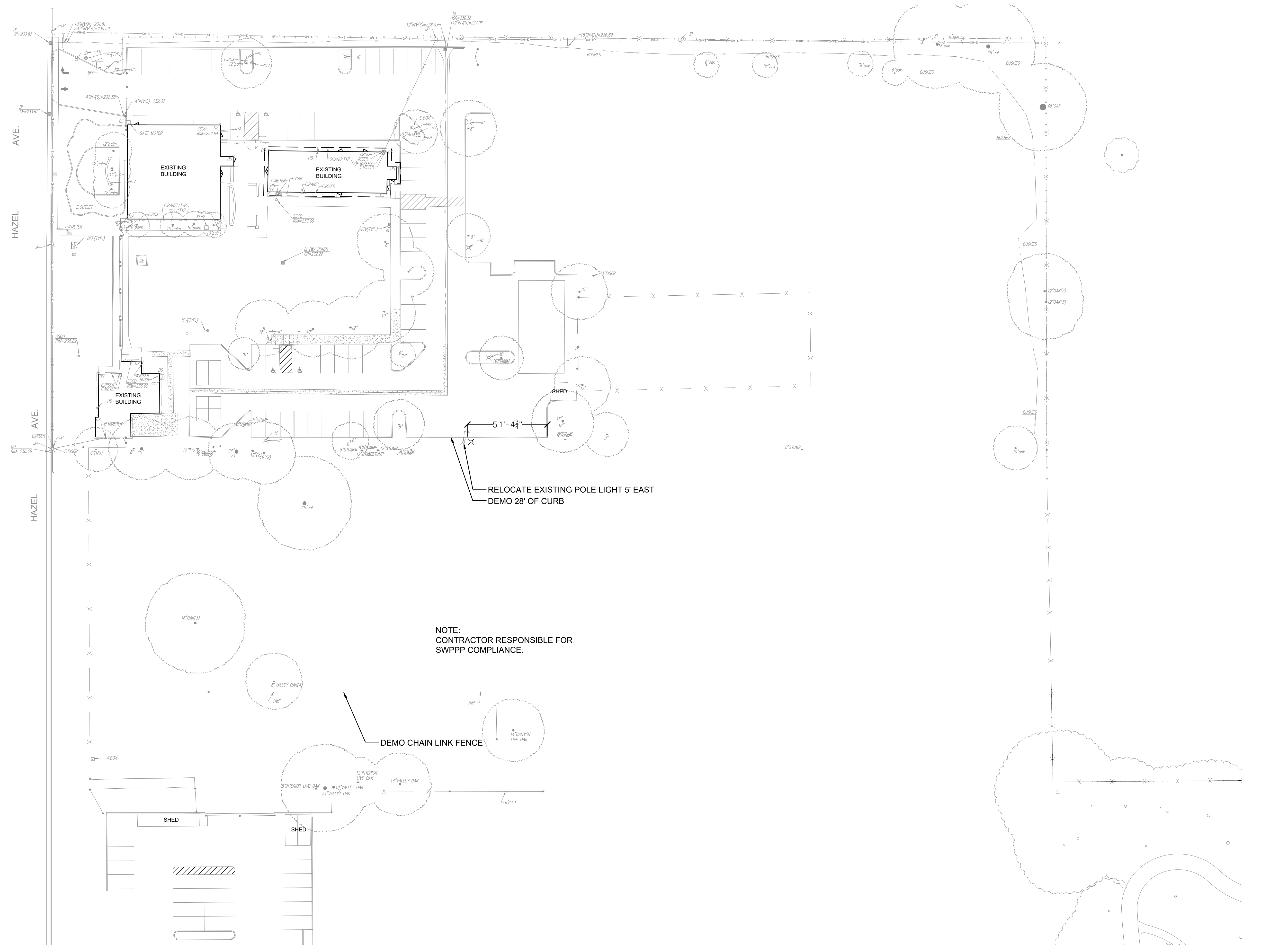
MTW group
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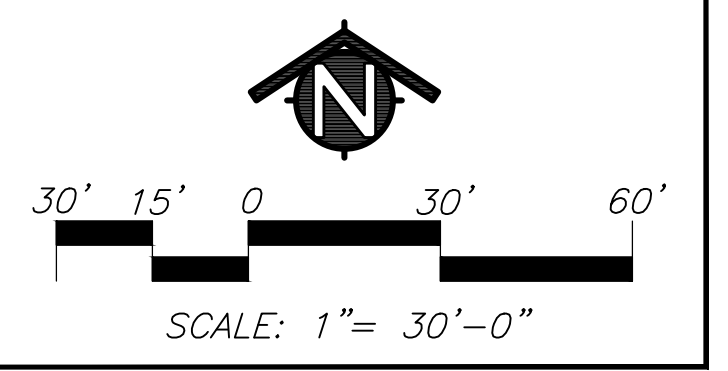
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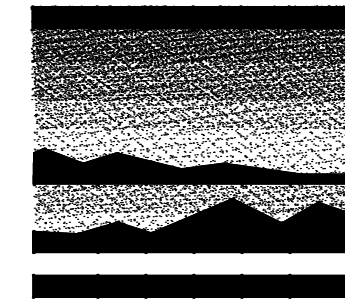


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 ORANGEVALE, CALIFORNIA 95662

DATE 06/18/24
 JOB NO. 22-018
 SHEET TITLE
SITE DEMOLITION PLAN

SHEET NO.
L0.1
 SHEET 2 OF 10





MTW group
 LANDSCAPE ARCHITECTURE
 AND PLANNING
 2707 K STREET, SUITE 201
 SACRAMENTO, CA 95816
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AGENCY	BY	DATE	

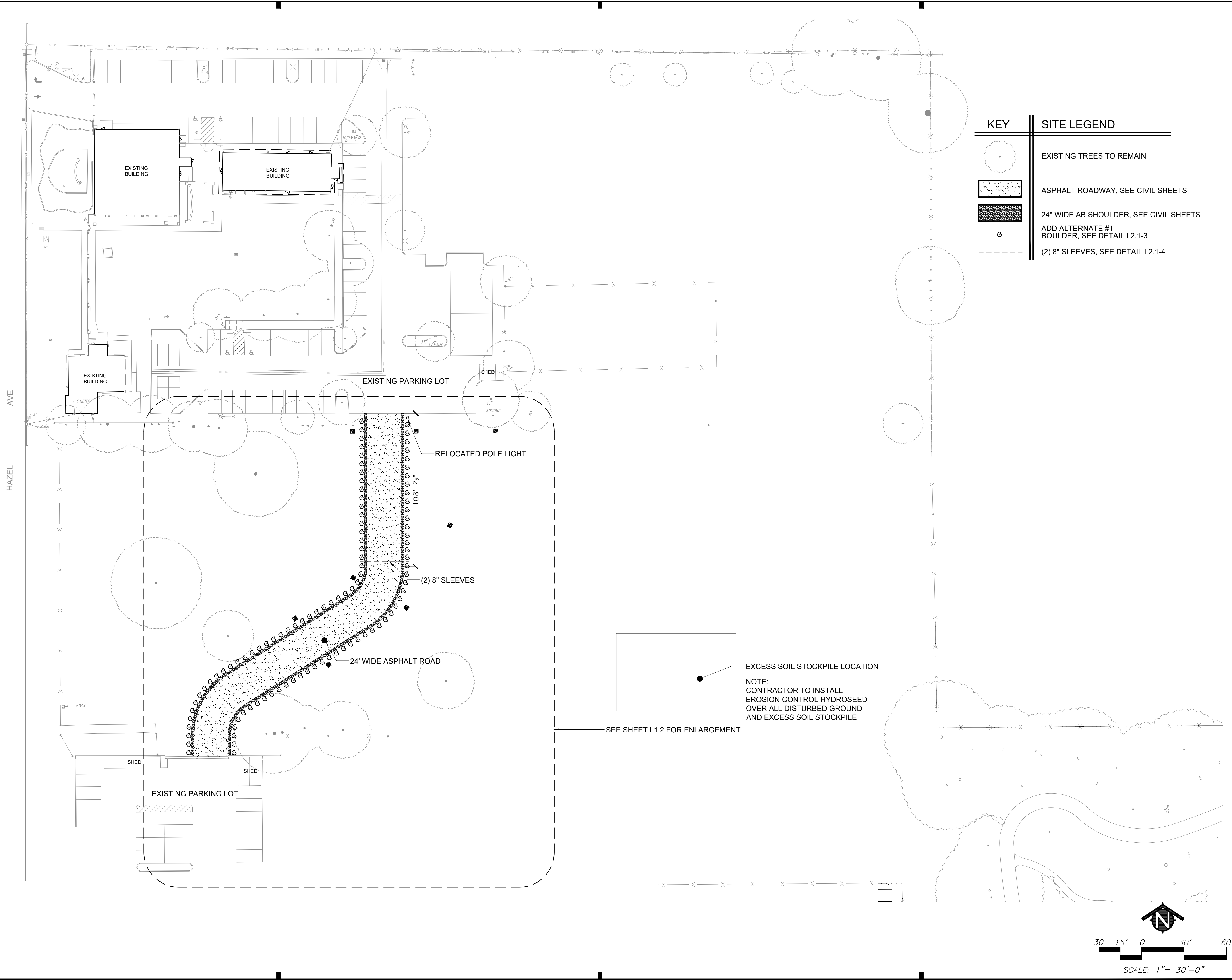
REVISIONS		DATE	
NO.	DESCRIPTION	DATE	

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 ORANGEVALE RECREATION AND PARK DISTRICT
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 ORANGEVALE, CALIFORNIA 95662

DATE 06/18/24
 JOB NO. 22-018
 SHEET TITLE
OVERALL SITE PLAN

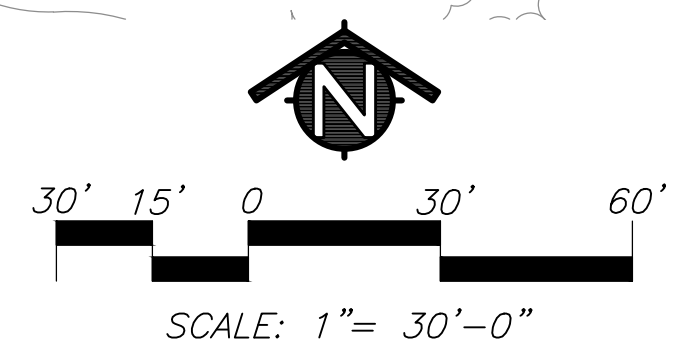
SHEET NO.
L1.1
 SHEET 3 OF 10

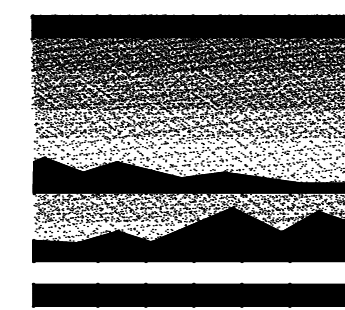
- | KEY | SITE LEGEND |
|-----|---|
| | EXISTING TREES TO REMAIN |
| | ASPHALT ROADWAY, SEE CIVIL SHEETS |
| | 24" WIDE AB SHOULDER, SEE CIVIL SHEETS |
| | ADD ALTERNATE #1 BOULDER, SEE DETAIL L2.1-3 |
| | (2) 8" SLEEVES, SEE DETAIL L2.1-4 |



EXCESS SOIL STOCKPILE LOCATION
 NOTE:
 CONTRACTOR TO INSTALL
 EROSION CONTROL HYDROSEED
 OVER ALL DISTURBED GROUND
 AND EXCESS SOIL STOCKPILE

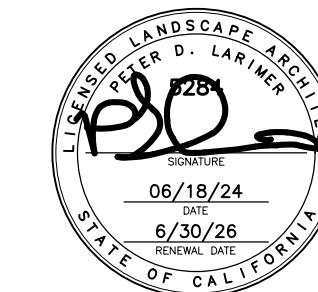
SEE SHEET L1.2 FOR ENLARGEMENT





MTW group

LANDSCAPE ARCHITECTURE
AND PLANNING
2707 K STREET, SUITE 201
Sacramento, CA 95816
916 369-3990



Peter D. Larimer C-5284

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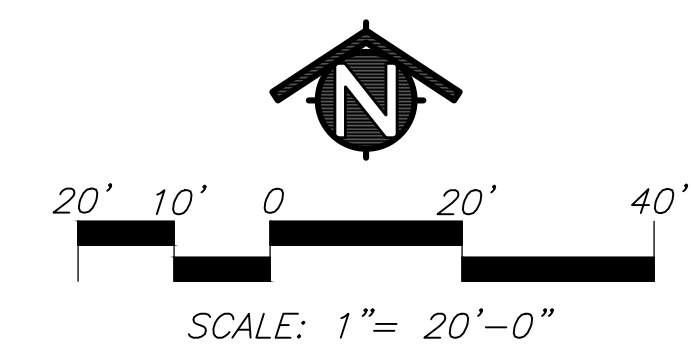
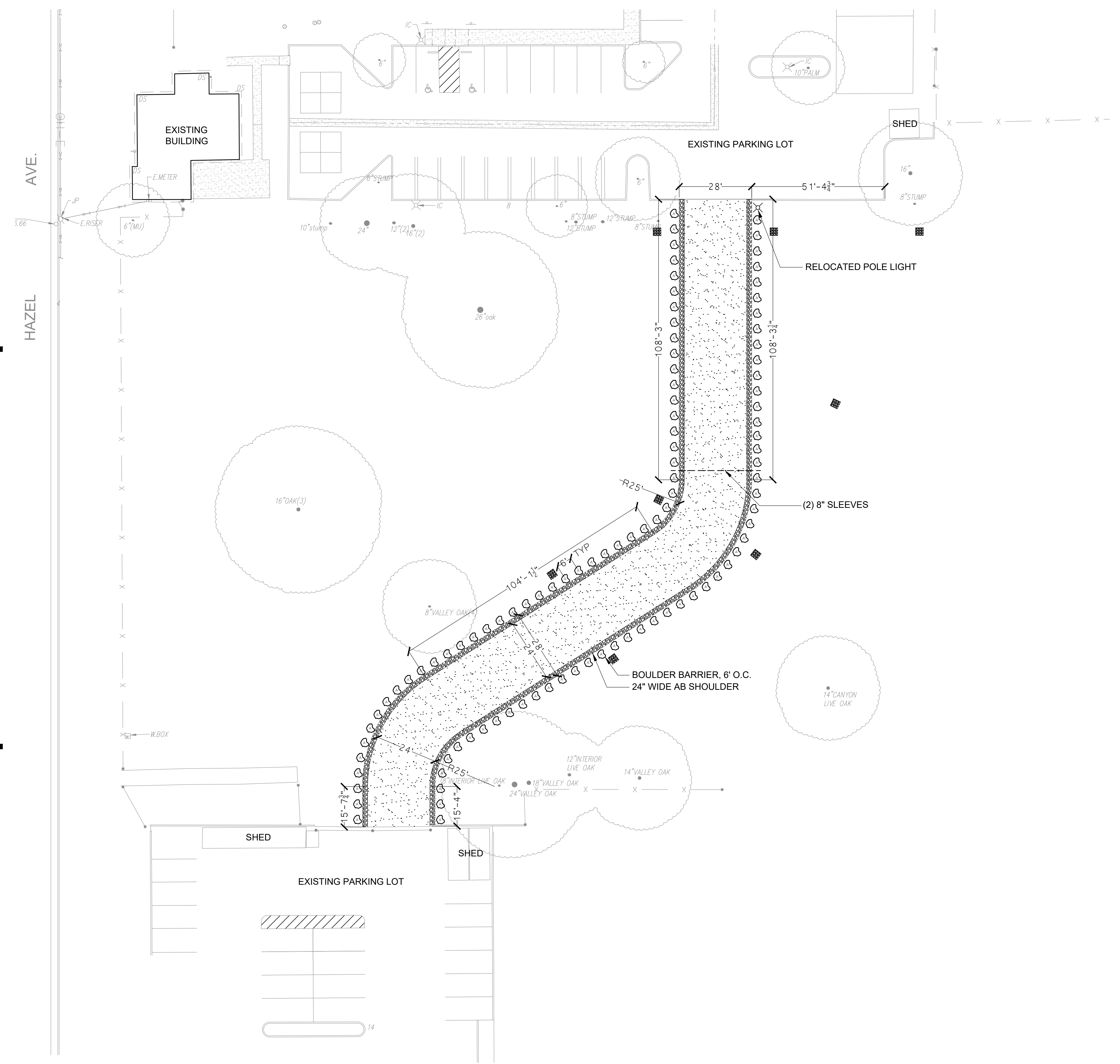
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ORANGEVALE COMMUNITY CENTER NEW PARKING LOT CONNECTION

ORANGEVALE RECREATION AND PARK DISTRICT
6826 HAZEL AVENUE
ORANGEVALE, CALIFORNIA 95662

DATE 06/18/24
JOB NO. 22-018
SHEET TITLE
ROADWAY ENLARGEMENT
SHEET NO.
L1.2
SHEET 4 OF 10

KEY	SITE LEGEND
	EXISTING TREES TO REMAIN
	ASPHALT ROADWAY, SEE CIVIL SHEETS
	24" WIDE AB SHOULDER, SEE CIVIL SHEETS
	ADD ALTERNATE #1 BOULDER, SEE DETAIL L2.1-3
	(2) 8" SLEEVES, SEE DETAIL L2.1-4

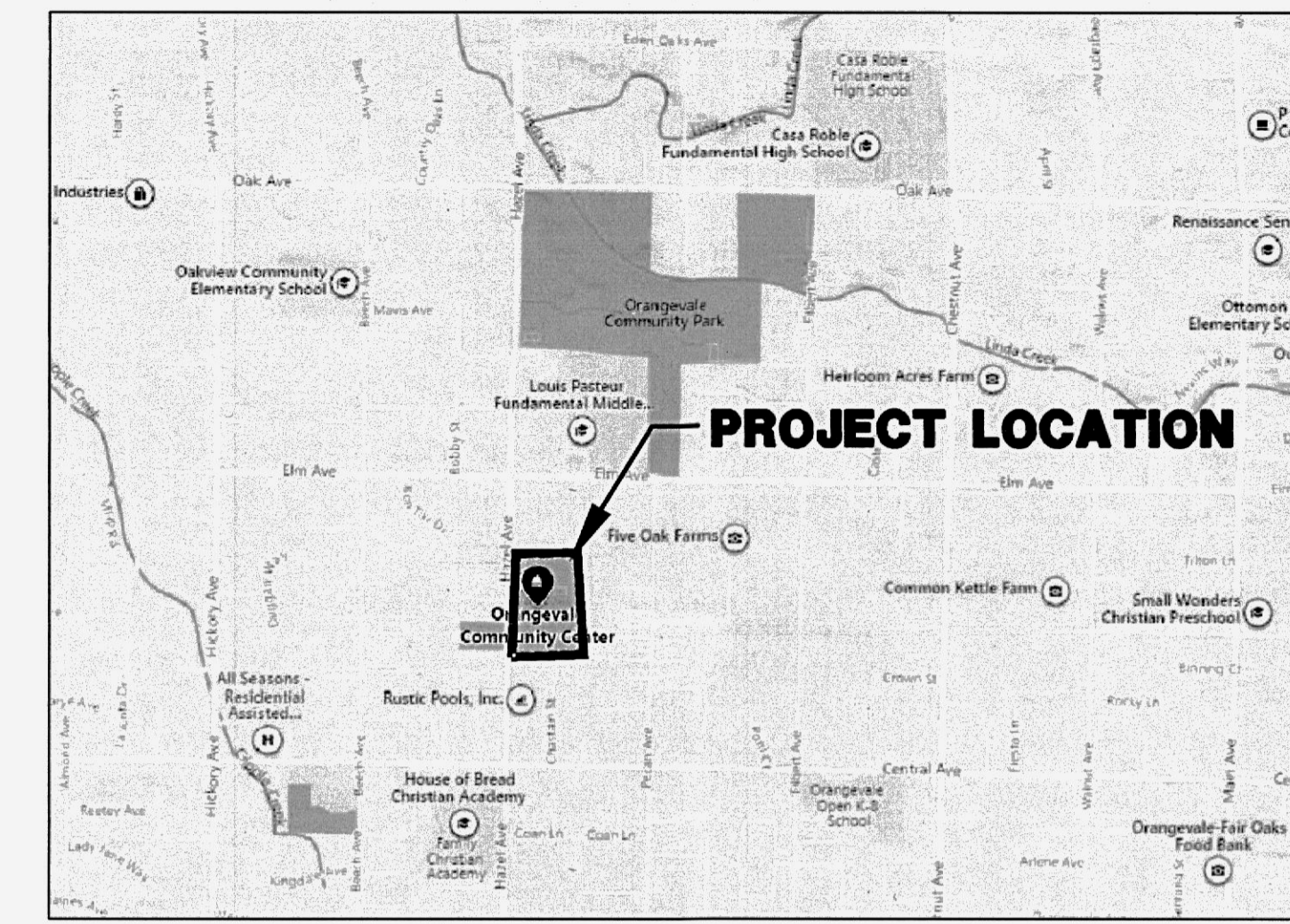


IMPROVEMENT PLANS

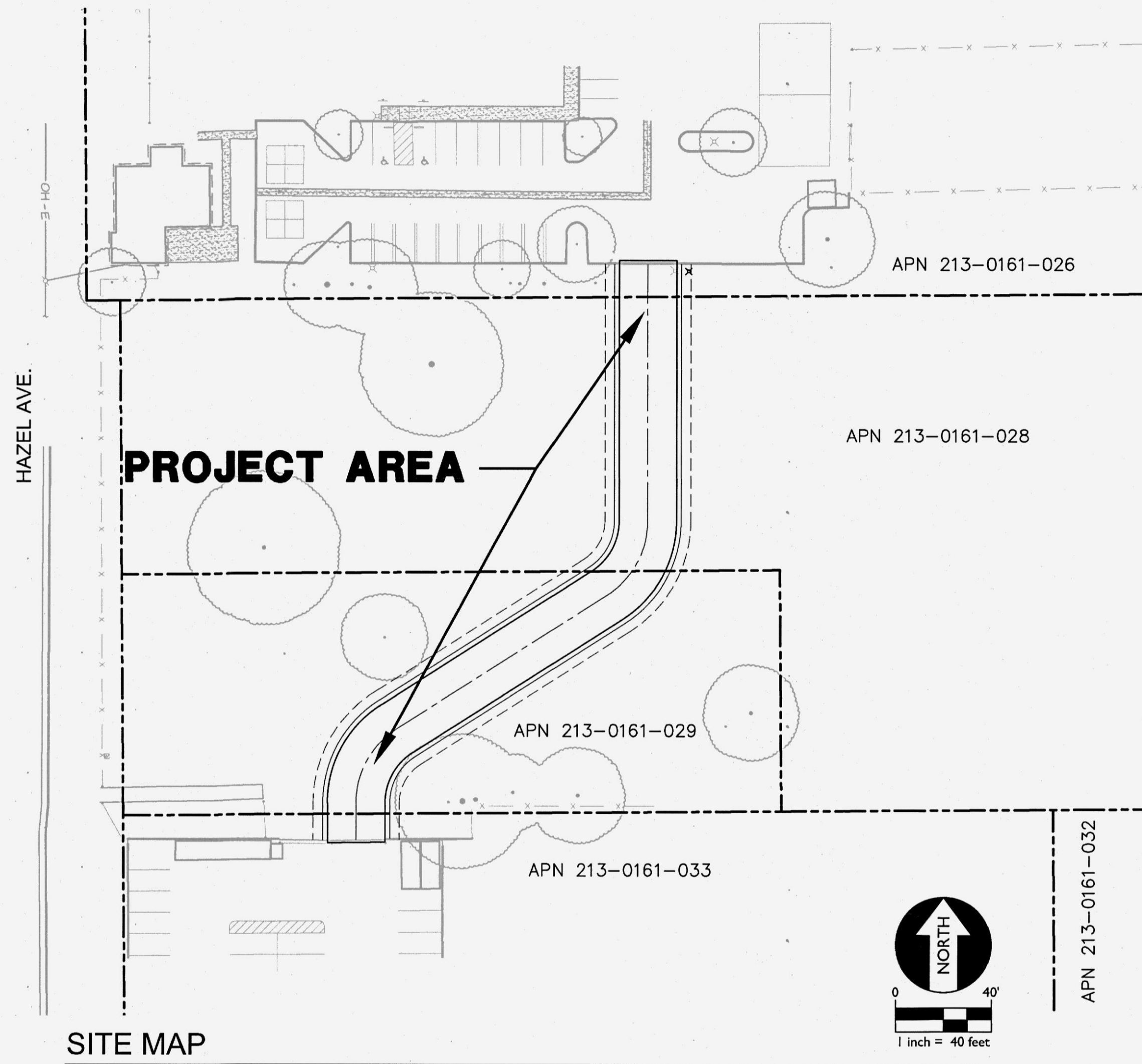
FOR

ORANGEVALE COMMUNITY CENTER NEW PARKING LOT CONNECTION

6826 HAZEL AVE.
ORANGEVALE, CA 95662



VICINITY MAP
NO SCALE



SITE MAP

- ABBREVIATIONS**
- NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THESE PLANS.
- AB AGGREGATE BASE
 - AC ASPHALTIC CONCRETE
 - AD AREA DRAIN
 - APN ASSESSOR'S PARCEL NUMBER
 - ARV AIR RELEASE VALVE
 - ASB AGGREGATE SUB-BASE
 - BO BLOW-OFF VALVE
 - BV BUTTERFLY VALVE
 - BW BACK OF WALK
 - C/L CENTERLINE
 - CB CATCH BASIN
 - CJ CONTROL JOINT
 - CL CLASS
 - CMP CORRUGATED METAL PIPE
 - CATV CABLE TELEVISION
 - CO CLEANOUT
 - COMM COMMUNICATION
 - CONC. CONCRETE
 - CONST. CONSTRUCT
 - CR CURB RETURN
 - CS CONCRETE SURFACE
 - DC DOUBLE CHECK VALVE
 - DDC DOUBLE DETECTOR CHECK VALVE
 - DG DECOMPOSED GRANITE
 - DI DROP INLET
 - DIA DIAMETER
 - DIP DUCTILE IRON PIPE
 - DWG DRAWING
 - DS DOWNSPOUT
 - E ELECTRIC
 - EJ EXPANSION JOINT
 - EP EDGE OF PAVEMENT
 - ESMT EASEMENT
 - EX EXISTING
 - FS FIRE SERVICE LINE
 - FDC FIRE DEPARTMENT CONNECTION FLOWLINE
 - FL FLOWLINE
 - FM SANITARY SEWER FORCE MAIN
 - FF FINISHED FLOOR ELEVATION
 - FH FIRE HYDRANT
 - G GAS
 - GB GRADE BREAK
 - GR GRATE ELEVATION
 - GRD GRADE ELEVATION
 - GV GATE VALVE
 - HB HOSE BIBB
 - HBD HEADER BOARD
 - HDPE HIGH DENSITY POLYETHYLENE PIPE
 - HP HIGH POINT
 - INV PIPE INVERT ELEVATION
 - JP JOINT UTILITY POLE
 - LF LINEAL FEET
 - LIP LIP OF GUTTER
 - LT LEFT
 - MS MOWSTRIP
 - NTS NOT TO SCALE
 - OH OVERHEAD
 - PAD BUILDING PAD
 - PCC PORTLAND CEMENT CONCRETE
 - PD PLANTER DRAIN
 - PIV POST INDICATOR VALVE
 - P/L PROPERTY LINE
 - PP POWER POLE
 - PUE PUBLIC UTILITY EASEMENT
 - PVC POLYVINYL CHLORIDE
 - RCP REINFORCED CONCRETE PIPE
 - R RADIUS
 - RIM MANHOLE RIM ELEVATION (SOLID COVER)
 - RP REDUCED PRESSURE BACKFLOW PREVENTER
 - RW RIGHT OF WAY
 - SCH SCHEDULE
 - SD STORM DRAIN
 - SDMH STORM DRAIN MANHOLE
 - SG SUBGRADE ELEVATION
 - SP FIRE SPRINKLER SERVICE
 - SS SANITARY SEWER
 - SSMH SANITARY SEWER MANHOLE
 - STD STANDARD
 - S/W SIDEWALK
 - T TELEPHONE
 - TC TOP OF CURB
 - TD TRENCH DRAIN
 - TDCB TRENCH DRAIN CATCH BASIN
 - TP TELEPHONE POLE
 - TRW TOP OF RETAINING WALL
 - TSW TOP OF SEAT WALL
 - TW TOP OF WALK ELEVATION
 - U UTILITY
 - UG UNDERGROUND
 - UON UNLESS OTHERWISE NOTED
 - VCP VITRIFIED CLAY PIPE
 - W WATER
 - W/ WITH
 - W/O WITHOUT
 - WV WATER VALVE

- LEGEND**
- NOTE: NOT ALL SYMBOLS MAY BE USED ON THESE PLANS.
- PROPOSED GRADING & DRAINAGE SYMBOLS:**
- 8" SD STORM DRAIN LINE (SIZE AND FLOW SHOWN)
 - STORM DRAIN MANHOLE (SDMH)
 - CATCH BASIN (CB)
 - DROP INLET (DI)
 - AREA DRAIN (AD)
 - PLANTER DRAIN (PD) OR FLOOR DRAIN (FD)
 - STORM DRAIN CLEANOUT
 - 99.99 ELEVATION
 - FF=100.00 FINISHED FLOOR ELEVATION
 - PAD=99.33 BUILDING PAD ELEVATION
 - CONCRETE SIDEWALK
 - GRADED DIRECTION FOR DRAINAGE FLOW
 - SWALE
 - SLOPE
 - TREE TO BE REMOVED

BENCHMARK NO. 10-3 ELEV. 233.49
 FIND 7/8" METAL DISC STAMPED "CO. B.M. 10-3"
 LOCATED IN TOP OF CURB AT WEST END OF
 CURB RETURN AT NORTHWEST CORNER OF
 HAZEL AVE. AND LELE AVE.
 NAVD88 = 236.11
 NVD29 = 233.49



- CIVIL PLANS**
- CO.1 COVER SHEET
 - CO.2 STANDARD NOTES
 - C1.1 TOPOGRAPHIC SURVEY
 - C2.1 GRADING PLAN
 - C3.1 EROSION CONTROL PLAN

OWNER:
 ORANGEVALE RECREATION AND PARK DISTRICT.
 6826 HAZEL AVE.
 ORANGEVALE, CA 95662
 916-988-4363

CIVIL ENGINEER:
 WARREN CONSULTING ENGINEERS, INC.
 1117 WINDFIELD WAY, SUITE 110
 EL DORADO HILLS, CA 95762
 916-985-1870

LANDSCAPE ARCHITECT:
 MTW GROUP
 2707 K STREET, SUITE 201
 SACRAMENTO, CA 95811
 916-369-3990

UTILITY REPRESENTATIVES			
UTILITY	AGENCY	REPRESENTATIVE	PHONE
GAS	P.G.&E.	DON HENDRICKS	386-5469
ELECTRICITY	S.M.U.D.	DORIS GUELZOW	732-5808
TELEPHONE	AT&T	ENGINEERING	484-2388
WATER	SAC SUBURBAN	DAVID MORROW	679-3988
SEWER	SACSEWER	RAY VASSELLI	876-6140
DRAINAGE	SACRAMENTO COUNTY	MICHAEL DURKEE	874-8812
U.S.A.	UNDERGROUND SERVICE ALERT		811
CABLE T.V.	COMCAST	ANDREW KOTZ	648-8350
FIRE DISTRICT	SAC METRO FIRE	DIANA SCHMIDT	859-4323

WDID:	N/A
CONSTRUCTION START DATE:	JUNE 2024
FINAL STABILIZATION DATE:	AUG. 2024
AREA OF DISTURBANCE (AC):	0.95
VOL. OF CUT (CY):	1900±
VOL. OF FILL:	100±
POST CONST. STORMWATER BMP'S REQ. (Y/N):	NO

APPROVED BY: _____ DATE: _____

COUNTY ENGINEER _____ DATE: _____

FIRE DISTRICT: _____ EXPIRES ONE YEAR FROM DATE OF SIGNATURE _____ DATE: _____

SACRAMENTO METRO FIRE DISTRICT

WATER DISTRICT: _____ EXPIRES ONE YEAR FROM DATE OF SIGNATURE _____ DATE: 10/4/23

ORANGEVALE WATER COMPANY

SACRAMENTO COUNTY
MUNICIPAL SERVICES AGENCY

PROJECT TITLE
6826 HAZEL AVENUE PARKING LOT CONNECTION

ASSESSORS PARCEL NUMBER(S)
213-0161-026, -028, -029, -032, -033

CALIFORNIA COORDINATES
N374000 E2223000

APPROVED

APPROVED BY: _____ DATE: _____

ORDER NUMBER: 90015082 DRAINAGE FEE: _____

CHECKED BY: _____ DRAINAGE APPROVED: _____

**SACRAMENTO METRO FIRE
FIRE PREVENTION
APPROVAL**

The Bureau does not assume any responsibility for designs. Permittee is responsible for errors in the plans found during Field Inspection. All work shall comply with the latest edition of the CFC, CBC, CPC, CMC, NFPA, and NEC as adopted and amended by the State of California in Title 24 CCR and Sacramento County Ordinance. These plans are NOT reviewed for ADA compliance.

R.K. 243447 07/12/2023

Approved for road connecting parking lots at Orangevale community center buildings.

A.P.N.	213-0161-026, -028, -029, -032, -033	BENCHMARK NO.	10-3	ELEV.	233.49
HORIZONTAL SCALE:	AS NOTED	VERTICAL SCALE:	AS NOTED	FIND 7/8" METAL DISC STAMPED "CO. B.M. 10-3" LOCATED IN TOP OF CURB AT WEST END OF CURB RETURN AT NORTHWEST CORNER OF HAZEL AVE. AND LELE AVE. NAVD88 = 236.11 NVD29 = 233.49	
AGENCY APPROVAL:	DATE:	BY:	DATE:	NO.	DESCRIPTION:
DESIGNED:	MG	DATE:	MG	MG	DATE:
DRAWN:	MG	CHECKED:	MG	MG	DATE:
COVER SHEET PROJECT: ORANGEVALE COMMUNITY CENTER NEW PARKING LOT CONNECTION ORANGEVALE RECREATION AND PARK DISTRICT 6826 HAZEL AVENUE ORANGEVALE, CALIFORNIA					
C0.1					
6					

TREE PRESERVATION NOTES

- A. ALL NATIVE OAK TREES 6 INCHES DBH OR LARGER ON THE PROJECT SITE EXCEPT THOSE SPECIFICALLY APPROVED FOR REMOVAL, ALL PORTIONS OF ADJACENT OFF-SITE OAK TREES WHICH HAVE DRIP LINES THAT EXTEND OVER THE PROJECT SITE, AND ALL OFF-SITE OAK TREES WHICH MAY BE IMPACTED BY UTILITY INSTALLATION AND/OR IMPROVEMENTS ASSOCIATED WITH THIS PROJECT, SHALL BE PRESERVED AND PROTECTED AS FOLLOWS:
 1. A CIRCLE WITH A RADIUS MEASURED FROM THE TRUNK OF THE TREE TO THE TIP OF ITS LONGEST LIMB SHALL CONSTITUTE THE DRIPLENE PROTECTION AREA OF EACH TREE. LIMBS MUST NOT BE CUT BACK IN ORDER TO CHANGE THE DRIPLENE. THE AREA BENEATH THE DRIPLENE IS A CRITICAL PORTION OF THE ROOT ZONE AND DEFINES THE MINIMUM PROTECTED AREA OF EACH TREE. REMOVING LIMBS WHICH MAKE UP THE DRIPLENE DOES NOT CHANGE THE PROTECTED AREA.
 2. TEMPORARY PROTECTIVE FENCING SHALL BE INSTALLED AT LEAST ONE FOOT OUTSIDE THE DRIPLENES OF THE OAK TREES PRIOR TO INITIATING CONSTRUCTION IN ORDER TO AVOID DAMAGE TO THE TREE CANOPIES AND ROOT SYSTEMS.
 3. ANY OAK TREES ON THE SITE THAT REQUIRE PRUNING SHALL BE PRUNED BY A CERTIFIED ARBORIST PRIOR TO THE START OF CONSTRUCTION WORK. ALL PRUNING SHALL BE IN ACCORDANCE WITH AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A300 PRUNING STANDARDS AND THE INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) "TREE PRUNING GUIDELINES."
 4. NO VEHICLES, CONSTRUCTION EQUIPMENT, MOBILE HOME/OFFICE, SUPPLIES, MATERIALS OR FACILITIES SHALL BE DRIVEN, PARKED, STOCKPILED OR LOCATED WITHIN THE DRIPLENES OF OAK TREES.
 5. NO SIGNS, ROPES, CABLES (EXCEPT THOSE WHICH MAY BE INSTALLED BY A CERTIFIED ARBORIST TO PROVIDE LIMB SUPPORT) OR ANY OTHER ITEMS SHALL BE ATTACHED TO THE OAK TREES. SMALL METALLIC NUMBERING TAGS FOR THE PURPOSE OF PREPARING TREE REPORTS AND INVENTORIES SHALL BE ALLOWED.
 6. NO GRADING (GRADE CUTS OR FILLS) SHALL BE ALLOWED WITHIN THE DRIPLENES OF THE OAK TREES. IF IT IS ABSOLUTELY NECESSARY TO EXCAVATE WITHIN THE DRIPLENE OF AN OAK, THE EXCAVATION SHALL BE DONE UNDER THE SUPERVISION OF A CERTIFIED ARBORIST.
 7. DRAINAGE PATTERNS ON THE SITE SHALL NOT BE MODIFIED SO THAT WATER COLLECTS OR STANDS WITHIN, OR IS DIVERTED ACROSS, THE DRIPLENE OF ANY OAK TREE.
 8. NO TRENCHING SHALL BE ALLOWED WITHIN THE DRIPLENES OF OAK TREES. IF IT IS ABSOLUTELY NECESSARY TO INSTALL UNDERGROUND UTILITIES WITHIN THE DRIPLENE OF AN OAK TREE, THE UTILITY LINE SHALL BE BORED AND JACKED UNDER THE SUPERVISION OF A CERTIFIED ARBORIST.
 9. THE CONSTRUCTION OF IMPERVIOUS SURFACES WITHIN THE DRIPLENES OF OAK TREES SHALL BE STRINGENTLY MINIMIZED.
 10. NO SPRINKLER OR IRRIGATION SYSTEM SHALL BE INSTALLED IN SUCH A MANNER THAT SPRAYS WATER OR REQUIRES TRENCHING WITHIN THE DRIPLENES OF OAK TREES. AN ABOVE GROUND DRIP IRRIGATION SYSTEM IS RECOMMENDED.
 11. LANDSCAPING BENEATH OAK TREES MAY INCLUDE NON-PLANT MATERIALS SUCH AS BARK MULCH, WOOD CHIPS, BOULDERS, ETC. THE ONLY PLANT SPECIES WHICH SHALL BE PLANTED WITHIN THE DRIPLENES OF OAK TREES ARE THOSE WHICH ARE TOLERANT OF THE NATURAL SEMI-ARID ENVIRONS OF THE TREES. LIMITED DRIP IRRIGATION APPROXIMATELY TWICE PER SUMMER IS RECOMMENDED FOR THE UNDERSTORY PLANTS.

SACRAMENTO COUNTY REQUIRED NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE COUNTY OF SACRAMENTO STANDARD CONSTRUCTION SPECIFICATIONS AND IMPROVEMENT STANDARDS. WHERE INCONSISTENCIES EXIST, THE LATEST EDITION SHALL TAKE PRECEDENCE.
2. PUBLIC CONVENIENCE, PUBLIC SAFETY AND TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH SECTIONS 12-2 AND 12-3 OF THE STANDARD CONSTRUCTION SPECIFICATIONS AND AS DIRECTED BY THE COUNTY INSPECTOR. SAFE VEHICULAR AND PEDESTRIAN ACCESS SHALL BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
3. THE CONSULTANT ENGINEER SHALL NOTIFY THE COUNTY OF SACRAMENTO CONSTRUCTION OFFICE [PHONE: (916) 875-2700] UPON COMPLETION OF STAKING.
4. THE CONTRACTOR SHALL NOTIFY THE COUNTY OF SACRAMENTO CONSTRUCTION INSPECTION OFFICE TWO (2) WORKING DAYS PRIOR TO THE INTENTION TO COMMENCE WORK. THE CONTRACTOR SHALL NOT START ANY GRADING UNTIL THE COUNTY COMPLETES A PRE-CONSTRUCTION MEETING [(916) 875-2700].
5. THE COUNTY OF SACRAMENTO IS A MEMBER OF THE UNDERGROUND SERVICE ALERT (USA) ONE CALL PROGRAM. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBERS OF USA TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING THE TOLL-FREE NUMBER: 1(800) 227-2600. THOMAS BROTHERS MAP PAGE 259 INDEX D6.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SURVEY MONUMENTS OR MARKERS. MONUMENTS OR MARKERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
7. ALL SERVICE SEWERS SHALL HAVE FOUR (4) TO FIVE (5) FEET OF COVER AT THE PROPERTY LINE OR RIGHT-OF-WAY, UNLESS OTHERWISE NOTED ON PLANS.
8. EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH SECTION 11 OF THE COUNTY OF SACRAMENTO IMPROVEMENT STANDARDS.
9. THE CONTRACTOR SHALL NOTIFY THE COUNTY INSPECTOR IF EXCESS SOIL IS DISPOSED OFF SITE. THE DISPOSAL OF EXCESS SOIL SHALL NOT COMMENCE UNTIL THE COUNTY INSPECTOR HAS VERIFIED THAT THE EXPORT SITE IS NOT SUBJECT TO THE COUNTY GRADING ORDINANCE NOR THE FLOODPLAIN ORDINANCE.
10. ALL TRENCH RESTORATION SHALL COMPLY WITH SECTION 14 "RESTORATION OF SURFACES" OF THE SACRAMENTO COUNTY STANDARD CONSTRUCTION SPECIFICATIONS.
11. EROSION AND SEDIMENT CONTROL MEASURES FOR THIS PROJECT SHALL BE IN SUBSTANTIAL COMPLIANCE WITH THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED FOR THE PROJECT IN ACCORDANCE WITH THE STATE'S GENERAL PERMIT FOR CONSTRUCTION ACTIVITIES. ACCORDING TO STATE LAW, IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER TO MAINTAIN SWPPP UP-TO-DATE TO REFLECT CHANGING CONDITIONS AND ENSURE MOST CURRENT SWPPP IS AVAILABLE ON THE PROJECT SITE AT ALL TIMES FOR REVIEW BY COUNTY AND STATE INSPECTORS. (FOR PROJECTS WITH PRIVATE ROADS WITHIN SAC-METRO FIRE DISTRICT)
12. THE DEVELOPER SHALL CONTACT THE SAC-METRO FIRE DISTRICT AT (916) 859-4330 FOR INSPECTION AND ACCEPTANCE OF THE PRIVATE ROAD PRIOR TO COUNTY PROJECT ACCEPTANCE

DRAINAGE NOTES

1. ALL CONSTRUCTION AND MATERIALS FOR DRAINAGE SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE COUNTY OF SACRAMENTO IMPROVEMENT STANDARDS AND STANDARD CONSTRUCTION SPECIFICATIONS. WHERE DISCREPANCIES EXIST, APPROPRIATE NOTES SHALL BE ADDED TO THE PLANS, TAKING PRECEDENCE OVER THE STANDARD CONSTRUCTION SPECIFICATIONS.
2. THE MINIMUM COVER REQUIREMENTS DURING CONSTRUCTION FOR TEMPORARY CONSTRUCTION VEHICLE LOADING SHALL BE 4 FEET FOR METAL AND PLASTIC PIPE, AND 3 FEET FOR REINFORCED CONCRETE PIPE.
3. THE CONTRACTOR SHALL PLACE THE PROPER STRENGTH PIPE IF TRENCH CONDITIONS ENCOUNTERED DIFFER FROM THE DESIGN TRENCH.
4. DRAINAGE IN PUBLIC ROW AND DRAINAGE EASEMENTS SHALL CONFORM TO THE FOLLOWING:
 - A. DRAINAGE PIPE MATERIAL PIPE SHALL CONFORM TO SECTION 36 AND SECTION 50 (EXCLUDING 50-20, WHICH IS NOT ALLOWED) OF THE STANDARD CONSTRUCTION SPECIFICATIONS.
 - B. DRAINAGE MANHOLES SHALL CONFORM TO SECTION 39 OF THE STANDARD CONSTRUCTION SPECIFICATIONS.
5. TESTING OF DRAINAGE SYSTEMS
 - A. DRAINAGE IN PUBLIC ROW AND DRAINAGE EASEMENTS SHALL CONFORM TO THE FOLLOWING:
 - i. DRAINAGE PIPES, INCLUDING DRAIN INLET LATERALS, SHALL BE TESTED IN CONFORMANCE WITH SECTION 38-10 OF THE STANDARD CONSTRUCTION SPECIFICATIONS.
 - ii. STORM DRAIN MANHOLES SHALL BE TESTED IN CONFORMANCE WITH SECTION 39-4.02 OF THE STANDARD CONSTRUCTION SPECIFICATIONS.
6. RESILIENT CONNECTORS, IN CONFORMANCE WITH SECTION 39-2.02 AND STD. DWG. 9-7A OF THE STANDARD CONSTRUCTION SPECIFICATIONS, ARE REQUIRED BETWEEN PRE-CAST MANHOLE AND PIPE, AND BETWEEN PRE-CAST DROP INLET AND PIPE. WATER STOPS ARE REQUIRED FOR PIPE TO CAST-IN-PLACE MANHOLE/DROP INLET CONNECTIONS.
7. EROSION CONTROL STRUCTURES (STD. DWG. 9-27) SHALL BE CLASS B CONCRETE, NOT GROUTED COBBLE.
8. ALL DRAINAGE INLETS IN PUBLIC ROW, PRIVATE PROPERTY, AND DRAINAGE EASEMENTS SHALL HAVE A PERMANENT STORM DRAIN MESSAGE "NO DUMPING - FLOWS TO CREEK" OR OTHER APPROVED MESSAGE CONSISTENT WITH SECTION 9-14g AND STD. DWGS 11-10A AND 11-10B OF THE SACRAMENTO COUNTY IMPROVEMENT STANDARDS.

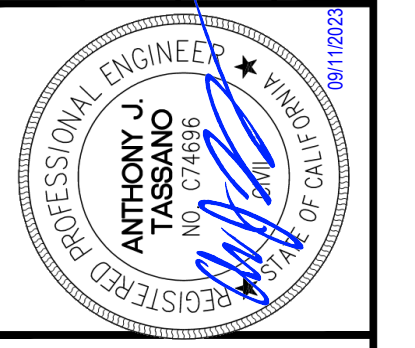
WCE GENERAL NOTES

1. THE TYPES, LOCATIONS, SIZES, AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBERS OF UNDERGROUND SERVICE ALERT (USA) TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING TOLL FREE 1-800-227-2600, OR 811.
2. WARREN CONSULTING ENGINEERS, INC. (WCE) ASSUMES NO RESPONSIBILITY FOR ERRORS IN PHYSICAL LOCATION OF IMPROVEMENTS, HORIZONTAL OR VERTICAL. IN ADDITION, ANY SUCH ERRORS IN PHYSICAL LOCATION MAY AFFECT THE INTENDED DESIGN OF SUCH IMPROVEMENTS AND WCE CANNOT BE HELD RESPONSIBLE FOR SUCH CONDITIONS WHICH ARE A RESULT OF ERRORS IN SURVEYING, OR IMPROPER CONSTRUCTION.
3. IF SUBSURFACE CULTURAL RESOURCES, REMAINS, AND/OR ARTIFACTS ARE UNCOVERED DURING PROJECT CONSTRUCTION, ALL WORK IN THE VICINITY SHALL BE STOPPED UNTIL SUCH ITEMS CAN BE ASSESSED BY AN APPROPRIATE MEMBER OF THE COUNTY ENVIRONMENTAL IMPACT SECTION STAFF.
4. CONTRACTOR AGREES THAT HE/SHE 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 SHALL NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER 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 OWNER OR ENGINEER.
5. THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY FOR ALL EXCAVATIONS OF 5 FEET OR MORE IN DEPTH.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE NECESSARY PRE-CONSTRUCTION SITE REVIEWS TO DETERMINE NECESSARY MEANS AND METHODS TO COMPLETE THE IMPROVEMENTS SHOWN ON THESE PLANS.
7. WHERE IMPROVEMENTS LIE WITHIN AN EXISTING DEVELOPED AREA, CONTRACTOR SHALL USE CAUTION WHEN ACCESSING THE SITE THROUGH THESE EXISTING IMPROVEMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ANY SUCH EXISTING IMPROVEMENTS OUTSIDE THE PROJECT BOUNDARY, OR EXISTING IMPROVEMENTS WITHIN THE BOUNDARY WHICH ARE TO REMAIN. PROPER PRECAUTIONS SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.
8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO KEEP DETAILED RECORDS OF MINOR CHANGES OR ADJUSTMENTS MADE DURING CONSTRUCTION (WHICH WERE NOT FORMALLY ISSUED). UPON PROJECT COMPLETION, THESE RECORDS AND/OR INFORMATION SHALL BE PROVIDED TO THE OWNER AND WARREN CONSULTING ENGINEERS, INC. UNLESS AN OFFICIAL "AS-BUILT" SET OF PLANS IS A REQUIREMENT OF THE CONTRACT, IF AS-BUILT PLANS ARE A REQUIREMENT OF THE CONTRACT, REFER TO SPECIFICATIONS FOR AS-BUILT DELIVERABLE REQUIREMENTS.
9. IN VEHICULAR PATHWAYS, EXISTING ASPHALTIC AND/OR CONCRETE SURFACES SHALL BE CUT TO A NEAT AND STRAIGHT LINE, PARALLEL OR PERPENDICULAR TO THE VEHICULAR TRAVELED PATH. THIS IS TYPICALLY THE ROADWAY CENTERLINE, BUT MAY VARY. THAT SAWCUT EDGE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION SO A CLEAN EDGE REMAINS FOR PATCH BACK. IF EDGE IS DAMAGED, A NEW SAW CUT WILL BE REQUIRED. THE EXPOSED EDGE SHALL BE "TACKED" WITH EMULSION PRIOR TO PAVING.
10. NO BURNING OR BLASTING SHALL BE ALLOWED ONSITE UNLESS SPECIFICALLY ADDRESSED ON PLANS, OR SPECIFICALLY APPROVED AND COORDINATED WITH THE ARCHITECT, ENGINEER, AND LOCAL AGENCY OR OTHER ADMINISTRATIVE AUTHORITY.
11. SUBGRADE AND RESULTING FINISHED GRADE SHALL BE CONSTRUCTED SMOOTH AND UNIFORM BETWEEN SPOT ELEVATIONS, CONTOURS OR OTHER STRUCTURE ELEVATIONS SHOWN ON GRADING OR OTHER PLANS. NO MOUNDS, RUTS, DEPRESSIONS OR OTHER GRADING DEFICIENCIES WILL BE ALLOWED UNLESS SPECIFICALLY SHOWN ON PLANS.
12. ON NEW WATER SYSTEMS, SERVICE LATERALS SHALL BE MADE USING APPROPRIATE "TEE" AND "WYE" FITTINGS. SADDLE TAPS WILL ONLY BE ALLOWED WHEN MAKING CONNECTIONS TO EXISTING WATER MAINS.
13. CURING COMPOUND SHALL BE APPLIED IN A CONTINUOUS SOLID WET FLOWING COAT. ANY "SPOTTY" APPLICATIONS SHALL BE RECOATED IMMEDIATELY. APPLICATION SHALL BE INSPECTED BY PROJECT INSPECTOR DURING APPLICATION.
14. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE ADDITIONAL SCORE OR EXPANSION JOINTS TO PREVENT UNCONTROLLED CRACKING. THOSE ADDITIONAL JOINTS MAY OR MAY NOT BE SPECIFICALLY SHOWN ON PLANS BUT SHALL BE PROVIDED BY THE CONTRACTOR.
15. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE A MINOR ADJUSTMENT OF REBAR WITHIN CONCRETE TO ALLOW FOR SUCH STRUCTURE. THAT REBAR ADJUSTMENT MAY NOT BE SPECIFICALLY SHOWN ON PLANS.
16. NO MORE THAN 1 GALLON OF WATER PER YARD OF CONCRETE CAN BE ADDED TO THE TRUCK AFTER ARRIVAL TO PROJECT SITE. THE ADDITION OF WATER CAN ONLY BE ADDED UNDER THE SUPERVISION OF THE CONCRETE INSPECTOR OR LABORATORY TECHNICIAN.
17. WHEN PUMPING CONCRETE FOR PLACEMENT, ABSOLUTELY NO WATER IS TO BE ADDED TO PUMP HOPPER. ANY WATER ADDED TO HOPPER WILL BE REASON FOR CONCRETE REJECTION AT THE CONTRACTORS EXPENSE.
18. ALL CONTRACTION/CONSTRUCTION JOINTS "CJ" SHALL BE 1/4 THE SLAB THICKNESS DEEP, BUT NO LESS THAN 1" FOR CONTROLLING OF CRACKING. CONTRACTOR SHALL EXERCISE CAUTION WHEN FINAL TROWELING OF CONCRETE SO AS NOT TO FILL IN THESE JOINTS WITH CONCRETE CREAM. ANY CRACKS OUTSIDE OF JOINTS WHICH WERE CONSTRUCTED LESS THAN 1" DEEP, SHALL BE CAUSE FOR CONCRETE SLAB(S) TO BE REMOVED AND REPLACE AT CONTRACTORS EXPENSE.
19. ANY SCREED BOARDS SET WITHIN CONCRETE SLABS SHALL BE AN "OVERHEAD SCREED" SO THERE IS NO INTERFERENCE WITH THE PLACEMENT AND ALIGNMENT OF SLAB REINFORCING.
20. 3-1/2" FELT JOINTS WILL NOT BE ACCEPTED. PROVIDE A FULL 4" FELT JOINT FOR 4" SLAB CONSTRUCTION, AND A 6" FELT JOINT FOR A 6" SLAB CONSTRUCTION.
21. SHOULD ANY SHRINKAGE CRACKS OCCUR OUTSIDE OF EITHER THE EXPANSION JOINTS OR CRACK CONTROL JOINTS, THEN THE CONCRETE SLAB SHALL BE SAWCUT AT THE NEAREST JOINTS ON EACH SIDE OF THE CRACK AND THE CONCRETE SECTION SHALL BE REMOVED AND REPLACED. NEW CONCRETE SHALL BE DOWELED INTO EXISTING CONCRETE PER DRAWING DETAIL.
22. ALL AREAS DISTURBED BY GRADING OPERATIONS WHETHER SHOWN ON THE DRAWINGS OR NOT SHALL BE HYDROSEEDDED UNLESS OTHERWISE NOTED. HYDRO SEEDING SHALL CONFORM TO LOCAL CITY/COUNTY STANDARDS.
23. REPAIR OR PATCHING OF GALVANIZED METALS, SUCH AS AFTER WELDING GALVANIZED COMPONENTS, SHALL BE MADE USING A ZINC COMPOSITION "HOT STICK" APPLICATION PER ASTM A 780-01. GALVANIZING PAINTS WILL NOT BE ALLOWED.



A.P.N. 213-0161-026, -028, -029, -032, -033
BENCHMARK NO. 10-3 ELEV. 233.49
FND 7/8" METAL DISC STAMPED "CO. B.M."
10-3" LOCATED IN TOP OF CURB AT
WEST END OF CURB RETURN AT
NORTHWEST CORNER OF HAZEL AVE. AND
LEUENE AVE.
JOB NO. 2336.11
ngw429 = 2336.49

HORIZONTAL SCALE:	AS NOTED				
	AS NOTED				
VERTICAL SCALE:	AS NOTED				
	AS NOTED				
AGENCY APPROVAL	DATE	DATE	DATE	DATE	DATE
DESIGNED:	MG	MG	MG	MG	MG
DRAWN:	MG	MG	MG	MG	MG
CHECKED:	MG	MG	MG	MG	MG
DATE:	8-15-23				



GENERAL NOTES
PROJECT: ORANGEVALE COMMUNITY CENTER NEW
PARKING LOT CONNECTION
ORANGEVALE RECREATION AND PARK DISTRICT
6826 HAZEL AVENUE
ORANGEVALE CALIFORNIA

SHEET NO.
C0.2
7

EXISTING TOPOGRAPHY

- - - - - PROPERTY LINE
- - - - - CENTERLINE
- - - - - EASEMENT
- PROPERTY CORNER FOUND AS NOTED
- PROPERTY CORNER NOTHING FOUND OR SET
- △ 23 TEMPORARY BENCHMARK (SEE TBM LIST FOR INFO)
- SWALE OR DRAINAGE FLOW
- DRAINAGE FLOW
- FENCE (TYPE NOTED)
- TREE (SIZE/TYPE INDICATED)
- SLOPE
- CONTOUR
- CONCRETE SURFACE
- EDGE OF ASPHALT
- EDGE OF BUILDING
- SIGN
- POST OR BOLLARD
- 99.9 GROUND ELEVATION
- 99.99 HARD SURFACE ELEVATION

EXISTING UTILITIES

- 12" SD STORM DRAIN LINE (SIZE + DIRECTION OF FLOW)
- 12" SD STORM DRAIN LINE (RECORD INFORMATION)
- 12" SD STORM DRAIN LINE (UNDERGROUND LOCATING)
- SM STORM DRAIN MANHOLE
- GD STORM DRAIN GROUND ROD
- GV STORM DRAIN GROUND VALVE
- HD HOSE BIBB
- HDB HEADER BOARD
- HP HIGH PRESSURE
- HR HANDRAIL
- HVE HIGH VOLTAGE ELECTRIC
- HWF HIGH WIRE FENCE
- IC IN CONCRETE
- ICP IRRIGATION CONTROL PANEL
- ICV IRRIGATION CONTROL VALVE
- INW IN WERT ELEVATION
- IRR IRRIGATION
- JP JOINT UTILITY POLE
- JT JOINT TRENCH
- LDNG LANDING
- LVE LOW VOLTAGE ELECTRIC
- M METAL MANHOLE
- MS MOW STRIP
- MSC METAL STORAGE CONTAINER
- MJ MULTIPLE
- OH OVERHEAD
- OHANG OVERHANG
- OIP OPEN IRON PIPE
- OSFH OLD STEEL POST HOLE
- P/L PROPERTY LINE
- PA PLANTER AREA
- PB PARKING BUMPER
- PH POSTHOLE
- PIV POST INDICATOR VALVE
- PP POWER POLE
- PRKG PARKING
- PUE PUBLIC UTILITY EASEMENT
- PV PAVERS
- PVC POLYVINYL CHLORIDE
- R RUBBER
- RG ROLLING GATE
- RIM MANHOLE RIM ELEVATION
- ROW RIGHT OF WAY
- RW RETAINING WALL
- RWL RAIN WATER LEADER
- SD STORM DRAIN
- SDMH STORM DRAIN MANHOLE
- SIG SIGNAL
- SL STREET LIGHT
- SLB STREET LIGHT BOX
- SS SANITARY SEWER
- SSCO SANITARY SEWER CLEANOUT
- SSMH SANITARY SEWER MANHOLE
- STL STEEL
- T TELEPHONE
- TBALL TETHER BALL POLE
- TM TEMPORARY BENCHMARK
- TC TOP OF CURB
- TOW TOP OF WALL
- TP TELEPHONE POLE
- TRW TOP OF RETAINING WALL
- UG UNDERGROUND
- UNK UNKNOWN
- V VENT
- VBALL VOLLEYBALL
- W WATER
- W/W WITH WOOD
- WD WOOD FENCE
- WF WOOD FENCE
- WIF WROUGHT IRON FENCE
- WRF WOOD RAIL FENCE
- XT TRANSFORMER
- XWALK CROSSWALK
- OH-E OVERHEAD ELECTRIC LINE
- E UNDERGROUND ELECTRIC LINE
- E— UNDERGROUND ELECTRIC LINE (RECORD INFORMATION)
- E— UNDERGROUND ELECTRIC LINE (UNDERGROUND LOCATING)
- EM ELECTRIC MANHOLE
- U UTILITY POLE (WITH GUY WIRE)
- EM ELECTRIC METER
- EB ELECTRIC BOX
- SMB STREET LIGHTING BOX
- SL OR SIGNAL LIGHT
- FL FLOOD LIGHT
- EO ELECTRICAL OUTLET
- G GAS LINE (SIZE INDICATED)
- G GAS LINE (RECORD INFORMATION)
- G GAS LINE (UNDERGROUND LOCATING)
- CM GAS MANHOLE
- GV GAS VALVE
- GM GAS METER
- T TELEPHONE LINE
- T TELEPHONE LINE (RECORD INFORMATION)
- T TELEPHONE LINE (UNDERGROUND LOCATING)
- SDB STORM DRAIN BOX
- TSC TRAFFIC SIGNAL BOX

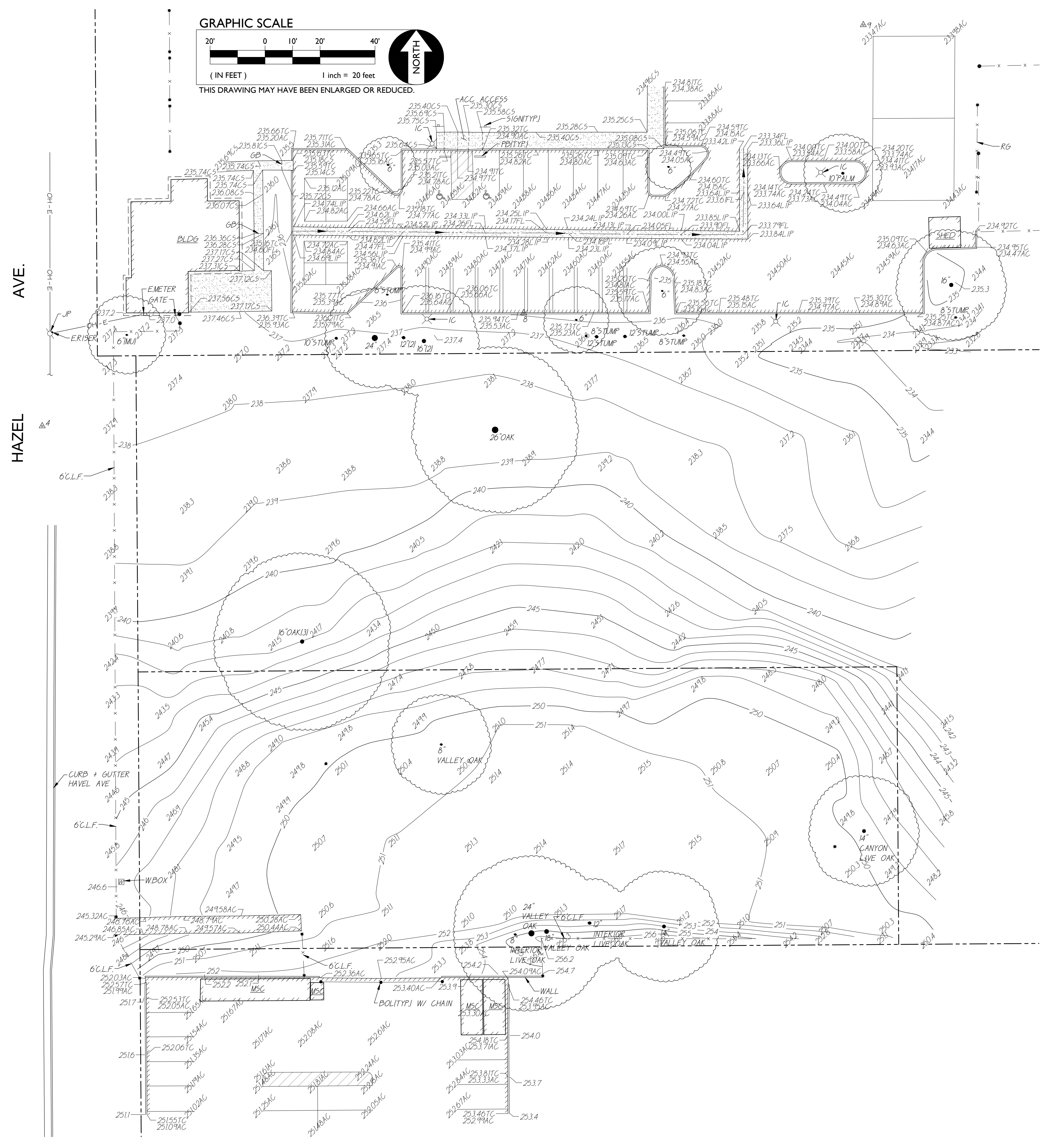
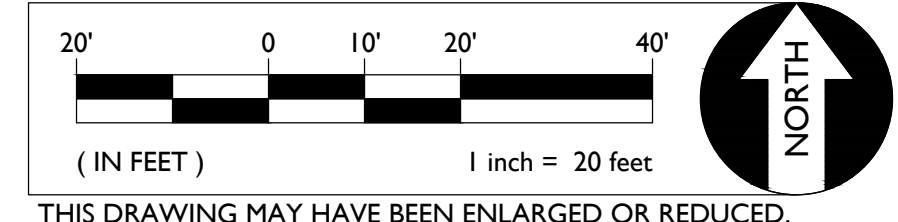
ABBREVIATIONS

- NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THESE PLANS.
- AC ASPHALTIC CONCRETE
 - ACC ACCESSIBLE
 - ACU AIR CONDITIONING UNIT
 - AD AREA DRAIN
 - ADP ASSESSOR'S PARCEL NUMBER
 - ARV AIR RELEASE VALVE
 - BP BALL BASKETBALL POLE
 - BCM BRASS CAP MONUMENT
 - BDF BACKFLOW PREVENTER
 - BLOCK BLOCK
 - BLDG BUILDING
 - BOL BOLLARD
 - BOV BLOW OFF VALVE
 - BR BRICK
 - B.W.F. BARBED WIRE FENCE
 - C COMMUNICATION
 - CL CENTERLINE
 - CATV CABLE TELEVISION
 - CIP CAPPED IRON PIPE
 - CLF CHAIN LINK FENCE
 - CMF CORRUGATED METAL PIPE
 - CO CLEANOUT
 - COL COLUMN
 - CONC CONCRETE
 - COND COND.
 - CPF CONTROL POINT FOUND
 - CP CONTROL POINT SET
 - CPS CONCRETE SURFACE
 - CS CS
 - DF DEPTH
 - DF DRINKING FOUNTAIN
 - DG DECOMPOSED GRANITE
 - DI DROP INLET
 - DIA DIAMETER
 - DRAWY DRAWING
 - DS DOWNSPOUT
 - DWG DRAWING
 - E ELECTRIC
 - EP EDGE OF PAVEMENT
 - ESMT EASEMENT
 - FA FIRE ALARM
 - FDG FIRE DEPARTMENT CONNECTION
 - FFE FINISHED FLOOR ELEVATION
 - FH FIRE HYDRANT
 - FL FLOWLINE
 - FO FIBER OPTIC
 - FS FIRE SERVICE
 - GA GAS
 - GB GRADE BREAK
 - GR GRATE
 - GRB GROUND ROD BOX
 - GRD GROUND ROD
 - GV GAS VALVE
 - HD HOSE BIBB
 - HDB HEADER BOARD
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 - WIF WROUGHT IRON FENCE
 - WRF WOOD RAIL FENCE
 - XT TRANSFORMER
 - XWALK CROSSWALK

TBM LIST

NUMBER	DESCRIPTION	NORTHING	EASTING	ELEVATION
1	CPS PICKER	9924.83	9940.29	234.64
2	CPF CHISELED "	10484.46	10050.57	232.89
3	CPS CHISELED "	9567.65	9898.45	250.07
4	CPS PK WASHER	9976.85	9534.03	237.65
5	CPS CHISELED "	10146.56	9535.95	234.64
6	CPS CHISELED "	10186.28	9466.55	234.34
7	CPS CHISELED "	10186.23	9727.92	233.48
8	CPS CHISELED "	10017.98	9709.17	235.89
9	CPS CHISELED "	10122.76	9832.70	233.90
10	CPS CHISELED "	10268.64	9750.67	231.28
11	CPS PICKER	10117.53	10046.50	230.38
12	CPS CHISELED "	9343.31	9664.59	245.63
13	CPS CHISELED "	9446.45	9654.87	246.99
14	CPS CHISELED "	9697.54	9654.11	252.16

GRAPHIC SCALE



AP.N. 213-0161-026, -028, -029, -032, -033

BENCHMARK NO. 10-3 ELEV. 233.49

END 7/2 METAL DISC STAMPED "CO. B.M. 10-3" LOCATED IN TOP OF CURB AT WEST END OF CURB RETURN AT NORTHWEST CORNER OF HAZEL AVE. AND LEJUNE AVE. ELEV. 236.11

DATE 8-15-23

DESIGNED BY MG

DRAWN BY MG

CHECKED BY MG

DATE 8-15-23

REVISIONS

NO.	DESCRIPTION	DATE	BY

AGENCY APPROVAL

HORIZONTAL SCALE: AS NOTED

VERTICAL SCALE: AS NOTED

JOB NO.: 22-060

PROFESSIONAL ENGINEER

ANTHONY J. WARREN

REGISTERED PROFESSIONAL ENGINEER

NO. 48998

STATE OF CALIFORNIA

WC

WARREN CONSULTING ENGINEERS, INC.

1117 WINDFIELD WAY, SUITE 110

EL DORADO HILLS, CA 95762 | (916) 965-1970

ORANGEVALE, CALIFORNIA

PROJECT: ORANGEVALE COMMUNITY CENTER NEW PARKING LOT CONNECTION

TITLE: TOPOGRAPHIC SURVEY

SHEET NO.: C1.1

8

BASE OF BEARINGS: **ASSUMED**

NOTE: EXISTING UTILITIES BASED ON VISIBLE SURFACE STRUCTURES ONLY.

GENERAL NOTES

1. EXCESS SOIL FROM EARTHWORK OPERATIONS IS TO BE STOCKPILED ON-SITE. SEE LANDSCAPE PLANS FOR STOCKPILE LOCATION.
2. ALL DRAINAGE FEATURE SHOWN ON THIS PLAN ARE PRIVATE AND WILL BE MAINTAINED BY ORANGEVALE RECREATION AND PARK DISTRICT. OWNER, AT OWNER'S SOLE COST AND EXPENSE, SHALL MAINTAIN THE PRIVATE DRAINAGE PIPELINE IN GOOD WORKING ORDER AND REPAIR COMMENSURATE WITH THE COUNTY'S STANDARDS FOR SIMILAR DRAINAGE PIPELINES SUCH THAT WATER FLOWS FREELY THROUGH THE SYSTEM AS AND WHEN WEATHER EVENTS OR OTHER SOURCES OF SURFACE WATER RUNOFF OCCUR. OWNER SHALL AT ALL TIMES TAKE ALL NECESSARY ACTION TO KEEP THE DRAINAGE PIPELINE FREE FROM DEBRIS, TRASH, FOLIAGE AND ANY OTHER OBSTRUCTION WHICH MAY DISRUPT, ALTER, IMPEDE OR CHANGE THE FLOW OF WATER. OWNER SHALL ALSO PERFORM ANY RELOCATION OF THE DRAINAGE PIPELINE PURSUANT TO THE STANDARD SPECIFICATIONS OF THE COUNTY SHOULD RELOCATION BE NECESSARY DUE TO PIPE FAILURE OR BLOCKAGE, AS DETERMINED NECESSARY BY THE COUNTY.

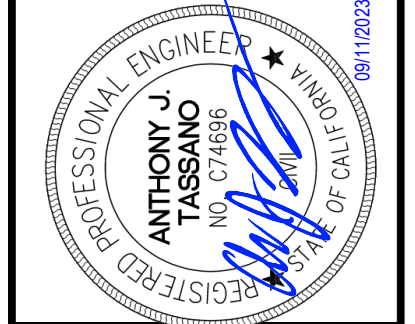
CONSTRUCTION NOTES

1. SAWCUT AND REMOVE 12" MIN. AC PAVING. PATCH BACK WITH ROAD PAVEMENT SECTION. PROVIDE UNIFORM TRANSITION TO EXISTING PAVEMENT.
2. SAWCUT AND REMOVE CONCRETE CURB TO LIMITS ON NEW ROAD WIDTH.
3. PLACE 3" AC OVER 12" AB COMPACTED TO 95% ON SUBGRADE COMPACTED PER SPECIFICATIONS. PROVIDE COMPACTED AC EDGE AT LIMITS OF PAVEMENT.
4. PROVIDE 2' MIN SHOULDER WITH 12" AB COMPACTED TO 95% ON SUBGRADE PER SPECIFICATIONS.
5. CONSTRUCT 12" MIN. DEEP ROAD SIDE DITCH WITH 2:1 SIDE SLOPE MAX.
6. RELOCATE EXISTING PARKING LOT LIGHT. PROVIDE NEW FOUNDATION TO MATCH EXISTING CONDITION AND WIRING.
7. PLACE 40 LF 8" PVC SDR 26 PIPE, S=0.005 MIN. BACKFILL UNDER ROAD AND EXTENDING 5' MIN. FROM SHOULDER AND 4" MIN. OVER TOP OF PIPE TO BE 2 SACK CONCRETE SLURRY.
8. PROVIDE FLARED END SECTION AND 3'X3' SQUARE AREA OF 6"-8" ANGULAR RIP-RAP, HAND PLACED ON FILTER FABRIC.
9. PROVIDE 3'X3' SQUARE AREA OF 6"-8" ANGULAR RIP-RAP, HAND PLACED ON FILTER FABRIC.

A.P.N.	213-0161-026, -028, -029, -032, -033
BENCHMARK NO.	10-3 ELEV. 233.49
FIND	7/8" METAL DISC STAMPED "CO. B.M. 10-3" LOCATED IN TOP OF CURB AT NORTHWEST CORNER OF HAZEL AVE. AND LEUEVE. ELEV. = 236.11
DATE	11/19/23

HORIZONTAL SCALE:	AS NOTED
VERTICAL SCALE:	AS NOTED
AGENCY APPROVAL:	
DESIGNED:	MG
DRAWN:	MG
CHECKED:	MG
DATE:	8-15-23

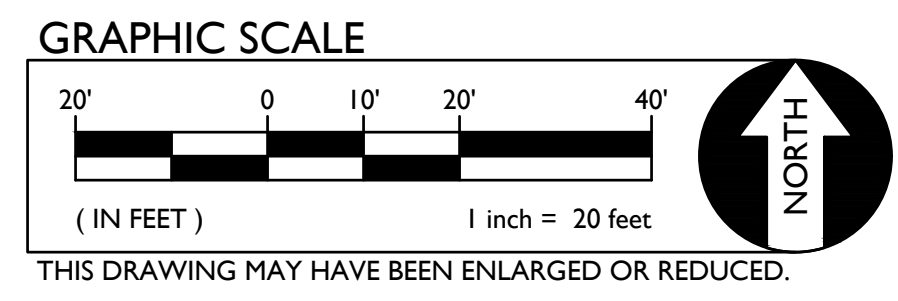
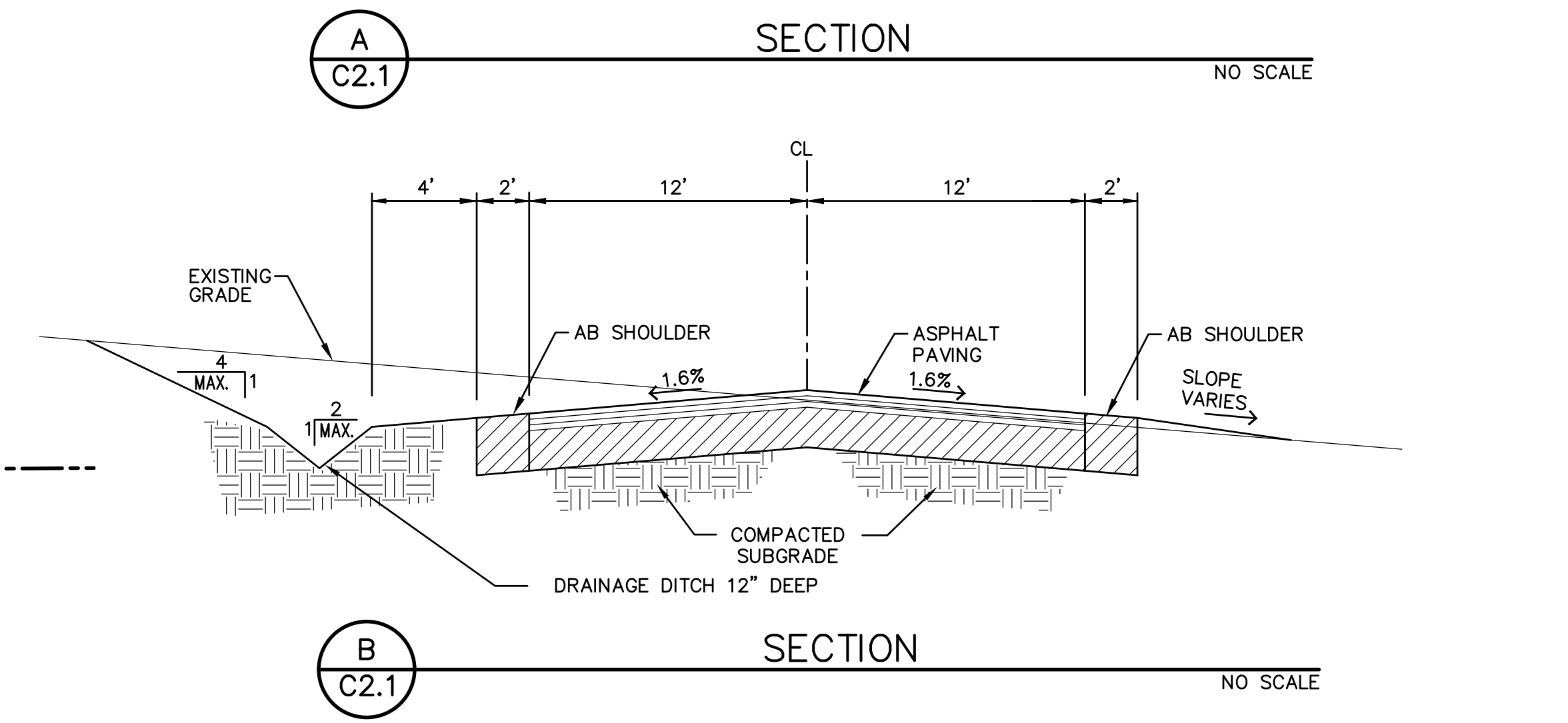
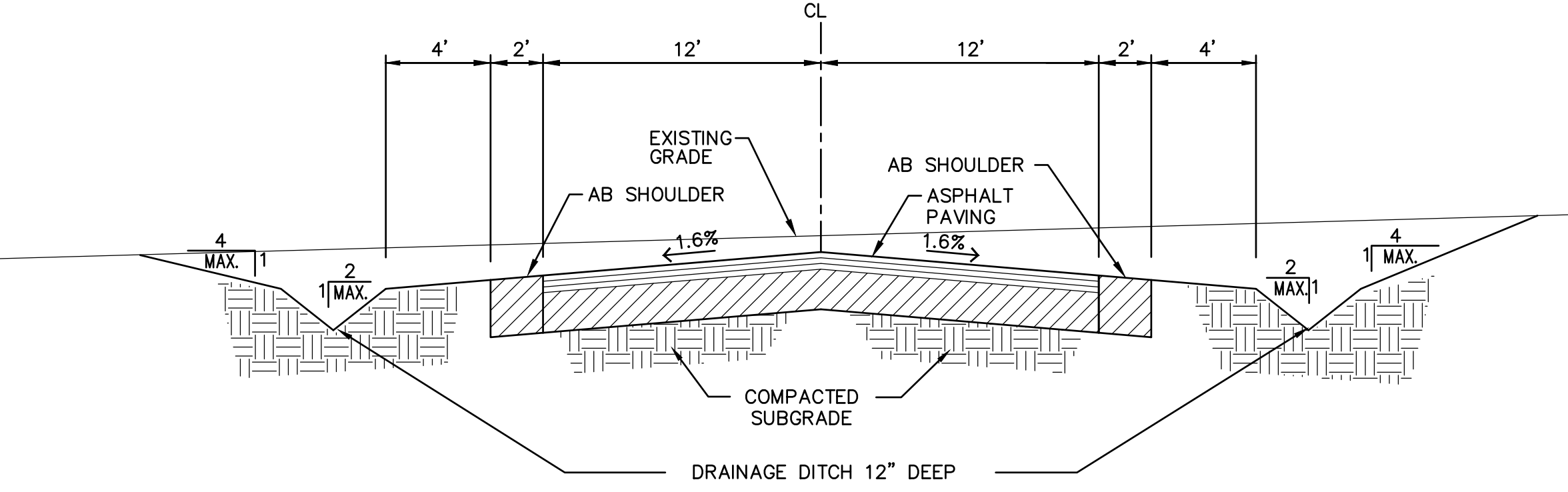
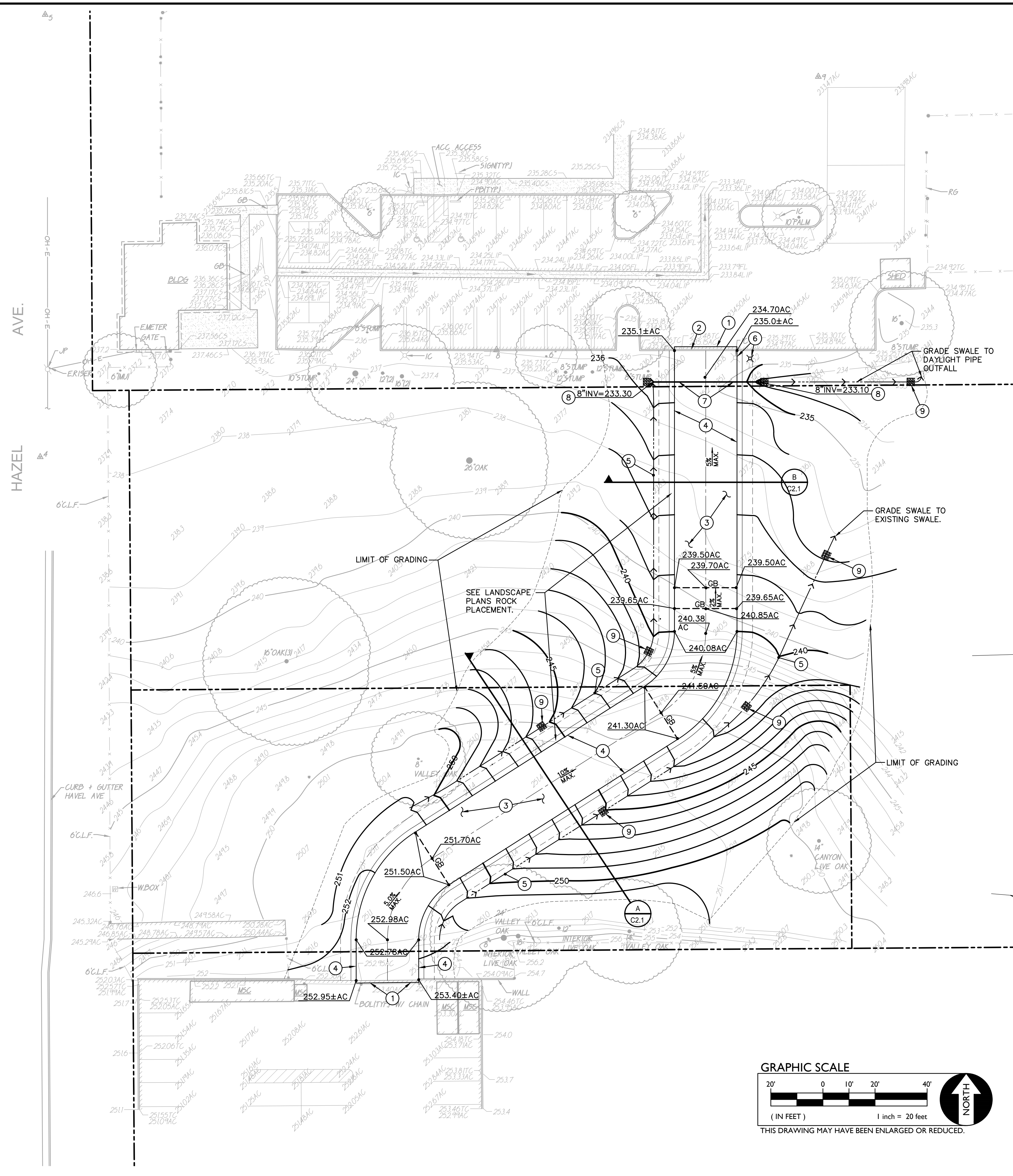
REVISIONS:	NO	DESCRIPTION
AGENCY APPROVAL:	DATE	BY



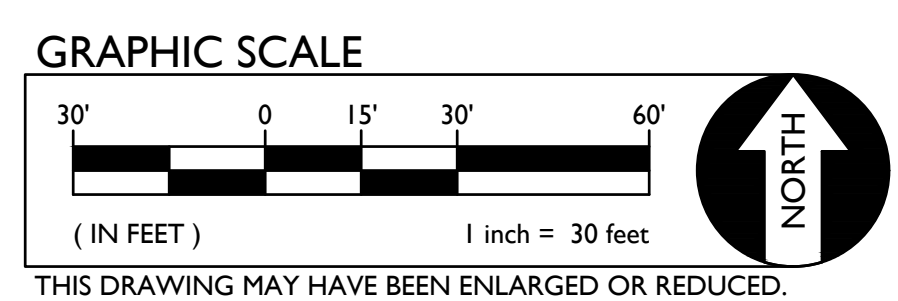
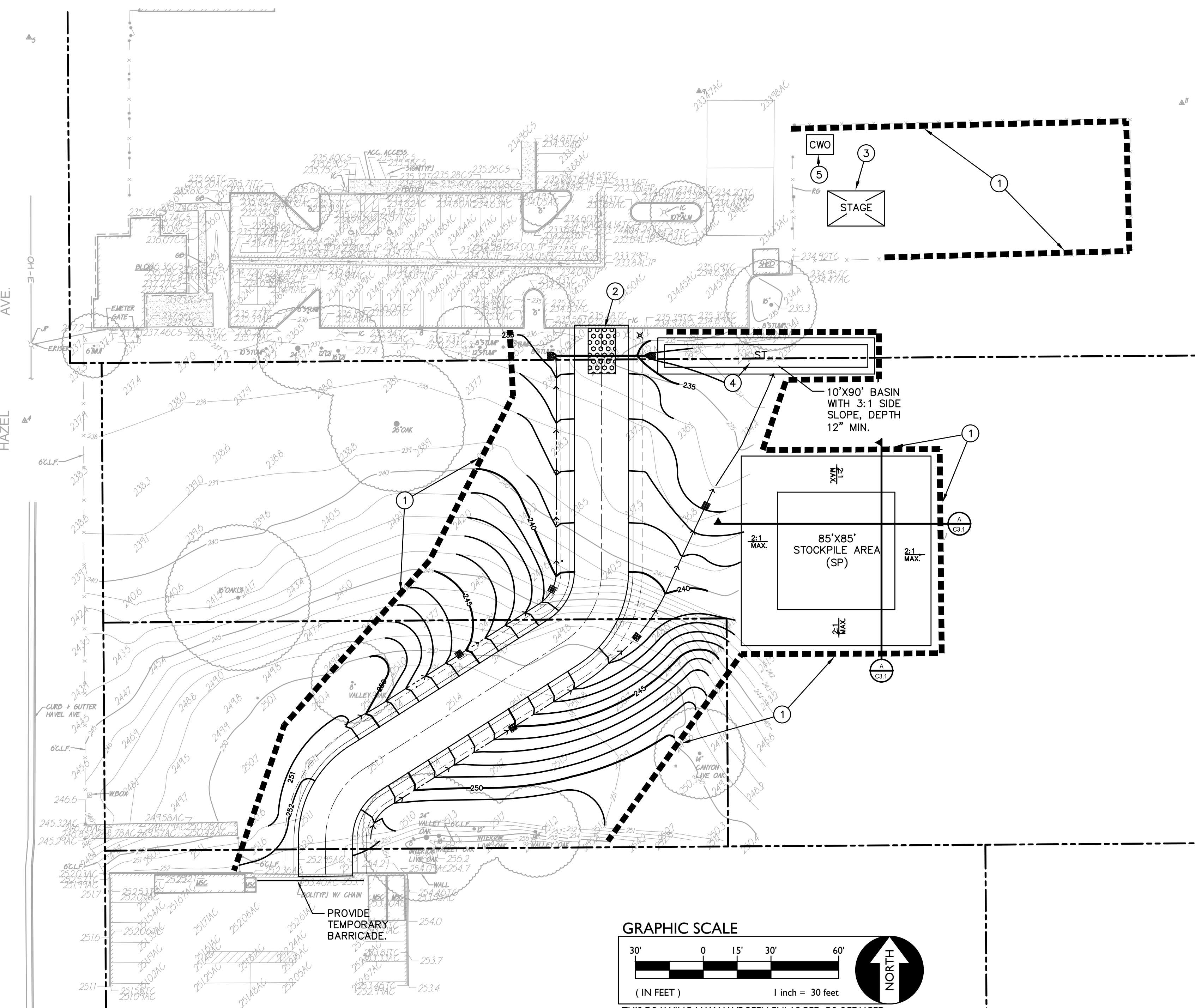
GRADING PLAN

PROJECT: ORANGEVALE COMMUNITY CENTER NEW PARKING LOT CONNECTION
ORANGEVALE RECREATION AND PARK DISTRICT
6826 HAZEL AVENUE
ORANGEVALE, CALIFORNIA

SHEET NO. **C2.1**



THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.



- ADD TO MAP AS LOCATED IN THE FIELD**
- VEHICLE/EQUIPMENT MAINTENANCE AND FUELING AREA.
 - COVERED WASTE STORAGE (DUMPSTERS).
 - STAGING AREA
 - MATERIAL STORAGE
 - SOIL STOCKPILES.
 - CONCRETE WASHOUT.
- *CONTRACTOR MOVE LOCATION IN FIELD AS NEEDED

- LEGEND**
- GENERAL EROSION CONTROL NOTES**
NOTE: EXACT LOCATION WILL BE COORDINATED BY CONTRACTOR AND COUNTY OFFICIALS.
- CONTRACTOR SHALL PROVIDE STRAW WATTLES AT PERIMETER OF SITE DISTURBED AREA PER SACRAMENTO COUNTY IMPROVEMENT STANDARDS, SECTION 11, AND STANDARD DRAWING 11-4.
 - CONTRACTOR SHALL PROVIDE STABILIZED CONSTRUCTION SITE ACCESS PER THE SACRAMENTO COUNTY IMPROVEMENT STANDARDS SECTION 11, AND STANDARD DRAWING 11-1.
 - CONTRACTOR SHALL CONSTRUCT AND UTILIZE A STAGING AREA IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS IN SECTION 4 OF THE CALIFORNIA STORMWATER QUALITY ASSOCIATION BMP HANDBOOK. SIZE AS NEEDED. AFTER CONSTRUCTION COMPLETE, RETURN AREA TO NATURAL CONDITION.
 - CONTRACTOR SHALL CONSTRUCT SEDIMENT TRAP VEGETATED OUTLET PER SACRAMENTO COUNTY STANDARDS DETAIL 11-2 TO TEMPORARILY CAPTURE STORM WATER DURING RAIN EVENTS SO IT CAN BE FILTERED AND DISCHARGED, OR SEDIMENT ALLOWED TO SETTLE-OUT PRIOR TO DISCHARGE.
 - CONTRACTOR SHALL CONSTRUCT AND UTILIZE A CONCRETE WASH-OUT IN ACCORDANCE WITH THE SACRAMENTO COUNTY IMPROVEMENT STANDARDS SECTION 11, AND STANDARD DRAWING 11-6

MAINTENANCE/REPAIRS OF BMP FAILURE SHALL BEGIN WITHIN 72 HOURS OF IDENTIFICATION AND CHANGES SHALL BE COMPLETED PRIOR TO THE NEXT RAIN EVENT.

SEDIMENT AND EROSION CONTROL MEASURES ON THIS PLAN ARE MINIMUM BMP'S RECOMMENDED FOR COMPLIANCE. CONSTRUCTION SITE MUST BE MONITORED AND BMP'S SHALL BE MODIFIED DEPENDING ON CONSTRUCTION SCHEDULE AND RAIN EVENTS.

MAXIMUM SEDIMENT TRAP CAPACITY SIZING CRITERIA
35 CUBIC YARDS PER ACRE OF DISTURB AREA
DISTURBED = 0.95 ACRES
MAXIMUM CAPACITY = 33.25 CUBIC YARDS

SEDIMENT TRAP NOTE

SHAPE OF SEDIMENT TRAPS CAN BE VARIABLE AND BE CONSTRUCTED WITH SIMPLE GRADED BERMS OR PLUGGING OF SELECT STORM DRAINS (WHICH WILL NOT CREATE A HAZARD) TO CAPTURE RUNOFF. WATER MAY BE RELEASED FROM BASINS IF ENOUGH TIME HAS ALLOWED SEDIMENTS IN WATER TO SETTLE OUT. SAMPLING OF WATER PRIOR TO DISCHARGE MAY BE REQUIRED. REFER TO SWPPP. CONTRACTOR SHALL MAKE PREPARATIONS FOR PUMPING AND FILTERING IN THE EVENT GRAVITY DRAINING CANNOT BE PERFORMED. SEE ADDITIONAL REQUIREMENTS AND SIZING LISTED BELOW:

- SEDIMENT TRAPS SHALL BE CONSTRUCTED AS THE FIRST STEP WHEN THERE IS MASS CLEARING OR GRADING AND SHALL BE LOCATED AT THE POINT WHERE DRAINAGE DISCHARGES FROM A SITE AS NOTED ON PLANS.
- CONSTRUCTION OF SEDIMENT TRAPS SHALL BE PER SACRAMENTO COUNTY STANDARD DETAILS 11-2 AND 11-3.
- THE TRAP STORAGE VOLUME SHALL BE DESIGNED FOR 33.25 CUBIC YARDS PER ACRE OF CONTRIBUTING DRAINAGE AREA.
- SIDE SLOPES SHALL BE 3:1 (H:V) OR FLATTER AND THE MAXIMUM DEPTH SHALL BE 3.5 FEET.
- THE LENGTH OF A SEDIMENT TRAP SHALL BE 2 TIMES (MINIMUM) ITS WIDTH.

MAINTENANCE:

- TRAP MAINTENANCE SHALL BE YEAR ROUND. SEDIMENT MATERIAL SHALL BE REMOVED FROM THE BOTTOM TO RETAIN ONE FOOT OF CAPACITY AT ALL TIMES.
- TRAP SLOPES SHALL BE KEPT IN GOOD REPAIR. SLOPE FAILURES OR DAMAGE SHALL BE REPAIRED PROMPTLY.

FINAL STABILIZATION NOTE

ALL DISTURBED AREAS, WHICH ARE NOT PAVED OR SURFACED AS PART OF THESE PLANS, OR LANDSCAPED AS PART OF THE LANDSCAPE PLANS, EVEN THOSE AREAS NOT SHOWN TO BE DISTURBED BY THIS SET OF PLANS BUT ARE OTHERWISE DISTURBED BY CONSTRUCTION OR ACCESS BY EQUIPMENT, SHALL BE STABILIZED BY ONE OF THE FOLLOWING METHODS:

- HYDROSEED (ACCEPTABLE ONLY IF SUFFICIENT TIME IS PRESENT TO ENSURE VEGETATION ESTABLISHMENT PRIOR TO RAIN EVENTS.)
- HYDROSEED WITH EROSION CONTROL BLANKETS OR MATS.
- STRAW MULCH WITH SOIL BINDERS.
- METHODS MAY BE APPROVED BY THE COUNTY AFTER REVIEW WITH COUNTY INSPECTOR.

EARTHWORK INFORMATION

EST. CUT QUANTITY 1,900± CY
EST. FILL QUANTITY 100± CY
NET CUT/FILL 2,000± CY (CUT)

THE ABOVE PROVIDE VALUES ARE PROVIDED FOR PLAN CHECKING PURPOSES ONLY. IT IS NOT TO BE USED FOR BIDDING PURPOSES. THE CONTRACTOR SHALL PREPARE HIS/HER OWN CALCULATION OF EARTHWORK QUANTITIES FOR USE IN BID.

IF EXCESS MATERIAL IS GENERATED BY THE GRADING PROCESS THE CONTRACTOR IS TO DISPOSE OF EXCESS MATERIAL AT A SUITABLE SITE WHICH IS APPROVED BY THE COUNTY OF SACRAMENTO PROJECT INSPECTOR.

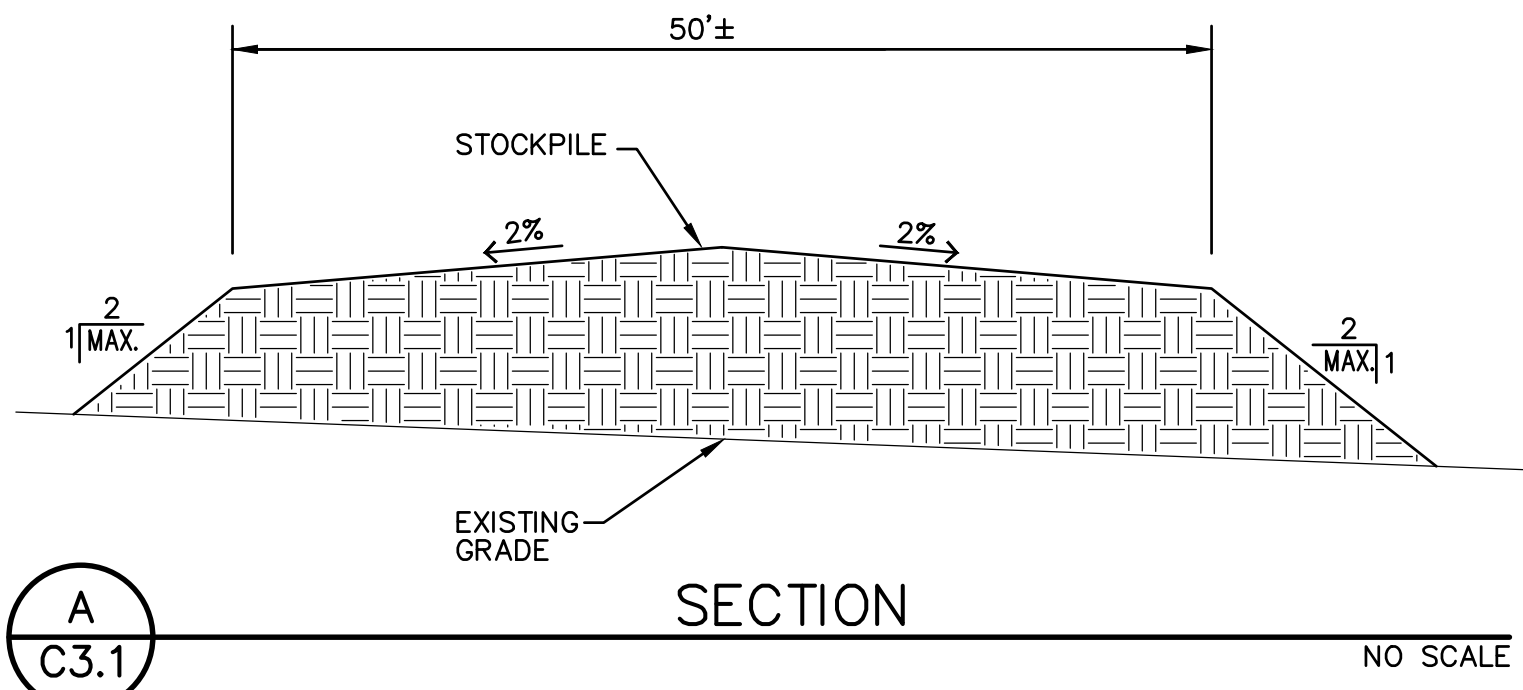
- MONITORING SCHEDULE**
- WITHIN 2 BUSINESS DAYS (48 HOURS) PRIOR TO EACH QUALIFYING RAIN EVENT.
 - EVERY 24 HOURS DURING A QUALIFYING RAIN EVENT.
 - WITHIN 2 BUSINESS DAYS (48 HOURS) AFTER EACH QUALIFYING RAIN EVENT RESULTING IN 0.50 INCHES OF RAIN OR MORE.
 - RECORD THE TIME, DATE AND RAIN GAUGE READING OF ALL QUALIFYING RAIN EVENTS.
 - QUARTERLY NON-STORM WATER DISCHARGE INSPECTIONS.
 - WEEKLY INSPECTIONS.

COUNTY OF SACRAMENTO EROSION AND SEDIMENT CONTROL GENERAL NOTES

- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE CURRENT EDITION OF THE COUNTY OF SACRAMENTO IMPROVEMENT STANDARDS.
- EROSION CONTROL BEST MANAGEMENT PRACTICES (BMP'S) SHALL BE INSTALLED AND MAINTAINED DURING THE WET SEASON (OCTOBER 1 THROUGH APRIL 30). SEDIMENT CONTROL BMP'S SHALL BE INSTALLED AND MAINTAINED YEAR ROUND.
- ALL DRAINAGE INLETS IMMEDIATELY DOWNSTREAM OF THE WORK AREAS AND WITHIN THE WORK AREAS SHALL BE PROTECTED WITH SEDIMENT CONTROL YEAR ROUND. INLET PROTECTION SHALL BE REMOVED FROM THE DRAINAGE INLETS UPON ACCEPTANCE OF THE PUBLIC IMPROVEMENTS BY THE COUNTY.
- ALL STABILIZED CONSTRUCTION ACCESS LOCATIONS SHALL BE CONSTRUCTED PER STANDARD DRAWING 11-1 WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES PAVED AREAS. THE STABILIZED ACCESS SHALL BE MAINTAINED ON A YEAR ROUND BASIS UNTIL THE COMPLETION OF CONSTRUCTION.
- ALL AREAS DISTURBED DURING CONSTRUCTION BY GRADING, TRENCHING, OR OTHER ACTIVITIES, SHALL BE PROTECTED FROM EROSION DURING THE WET SEASON (OCTOBER 1 THROUGH APRIL 30). HYDROSEED, IF UTILIZED, MUST BE PLACED BY SEPTEMBER 15. HYDROSEED PLACED DURING THE WET SEASON SHALL USE A SECONDARY EROSION PROTECTION METHOD.
- SENSITIVE AREAS AND AREAS WHERE EXISTING VEGETATION IS BEING PRESERVED SHALL BE PROTECTED WITH CONSTRUCTION FENCING. SEDIMENT CONTROL BMP'S SHALL BE INSTALLED WHERE ACTIVE CONSTRUCTION AREAS DRAIN INTO SENSITIVE OR PRESERVED VEGETATION AREAS.
- SEDIMENT CONTROL BMP'S SHALL BE PLACED ALONG THE PROJECT PERIMETER WHERE DRAINAGE LEAVES THE PROJECT. SEDIMENT CONTROL BMP'S SHALL BE MAINTAINED YEAR ROUND UNTIL THE CONSTRUCTION IS COMPLETE OR THE DRAINAGE PATTERN HAS BEEN CHANGED AND NO LONGER LEAVES THE SITE.
- EROSION AND SEDIMENT CONTROL MEASURES FOR THE PROJECT SHALL BE IN SUBSTANTIAL COMPLIANCE AT ALL TIMES WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED FOR THE PROJECT IN ACCORDANCE WITH THE STATE OF CALIFORNIA GENERAL CONSTRUCTION PERMIT. THIS PERMIT REQUIRES THAT THE SWPPP BE KEPT UP TO DATE TO REFLECT THE CHANGING SITE CONDITIONS AND THE SWPPP IS TO BE AVAILABLE ON SITE AT ALL TIMES FOR REVIEW STATE AND LOCAL INSPECTORS.
- EFFECTIVE EROSION CONTROL BMP'S SHALL BE IN PLACE PRIOR TO ANY STORM EVENTS.
- IF COLLOIDAL SOILS ARE ENCOUNTERED, REMOVAL OF COLLOIDAL SUSPENSIONS BY A COUNTY APPROVED METHOD BEFORE DISCHARGE IS REQUIRED.

PHASE OF CONSTRUCTION	EROSION AND SEDIMENT CONTROL MEASURES																
	WET SEASON								WET & DRY SEASON								
	HYDRO SEEDING	STRAW MULCHING/TACTIFIER	SOIL BINDERS	PRESERVATION OF EXISTING VEGETATION	BLANKETS MATS & GEOTEXTILES	FIBER ROLLS	DUST CONTROL	OUTLET PROTECTION	SILT FENCING	SAND/GRAVEL BAG BARRIERS	STORM DRAIN INLET PROTECTION	SEDIMENT BASIN	SEDIMENT TRAP	DEWATERING	STABILIZED CONSTRUCTION ENTRANCE	MATERIAL & WASTE DISPOSAL LOCATION	CONCRETE WASHOUT
PRE-GRADING	X	X		X			X		N/A		N/A	N/A					
CUT-FILL ACTIVITIES	X	X	X	X	X	X	X	X		X	X		X	X	X	X	
UNDERGROUND WORK	N/A	X	X	X	X	X	X	X		X	X		X	X	X	X	X
STORM IMPROVEMENTS	X		X	X	X	X	X	X		X	X		X	X	X	X	X
CURB AND GUTTER	X		X	X	X	X	X	X		X	X		X	X	X	X	X
PAVE OUT				X	X	X	X	X		X	X		X	X	X	X	X
MAINTENANCE SCHEDULE																	
DAILY*	N/A						X							X			X
WEEKLY*		X	X		X	X	X			X	X		X	X	X	X	X
MONTHLY*																	
BEFORE RAIN		X	X		X	X	X			X	X		X				
DURING RAIN		X	X		X	X	X			X	X		X				
AFTER RAIN		X	X		X	X	X			X	X		X				
AS NEEDED				X			X							X			

* = WHEN RAIN EVENT INSPECTIONS OCCURS, THEY MAY QUALIFY AS A DAILY, WEEKLY, OR MONTHLY INSPECTION AS APPLIES.



EROSION CONTROL PLAN

PROJECT: ORANGEVALE COMMUNITY CENTER NEW PARKING LOT CONNECTION ORANGEVALE RECREATION AND PARK DISTRICT 6826 HAZEL AVENUE ORANGEVALE CALIFORNIA

SHEET NO. **C3.1**

DESIGNED: MG
DRAWN: MG
CHECKED: MG
DATE: 8-15-23

AGENCY APPROVAL: DATE BY

REVISIONS: NO. DESCRIPTION DATE

A.P.N. 213-0161-026, -028, -029, -032, -033
BENCHMARK NO. 10-3 ELEV. 233.49
FND 7/8" METAL DISC STAMPED "CO. B.M." 10-3" LOCATED IN TOP OF CURB AT WEST END OF CURB RETURN AT NORTHWEST CORNER OF HAZEL AVE. AND LEUE AVE. 236.11
JOB NO.: 22-060
DATE: 8-15-23

ANTHONY J. ANTONIO, PROFESSIONAL ENGINEER, CIVIL, No. 50799, State of California

WARREN CONSULTING ENGINEERS, INC. 1117 WINDFIELD WAY, SUITE 110 EL DORADO HILLS, CA 95762 | (916) 985-1970