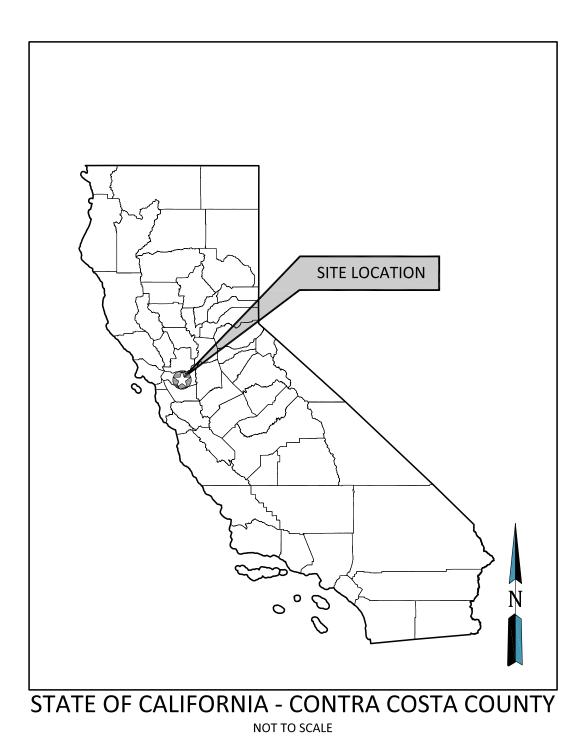
WENDY'S - OAKLEY

PRELIMINARY CIVIL ENGINEERING PLANS
1082 E. MAIN STREET
OAKLEY, CA

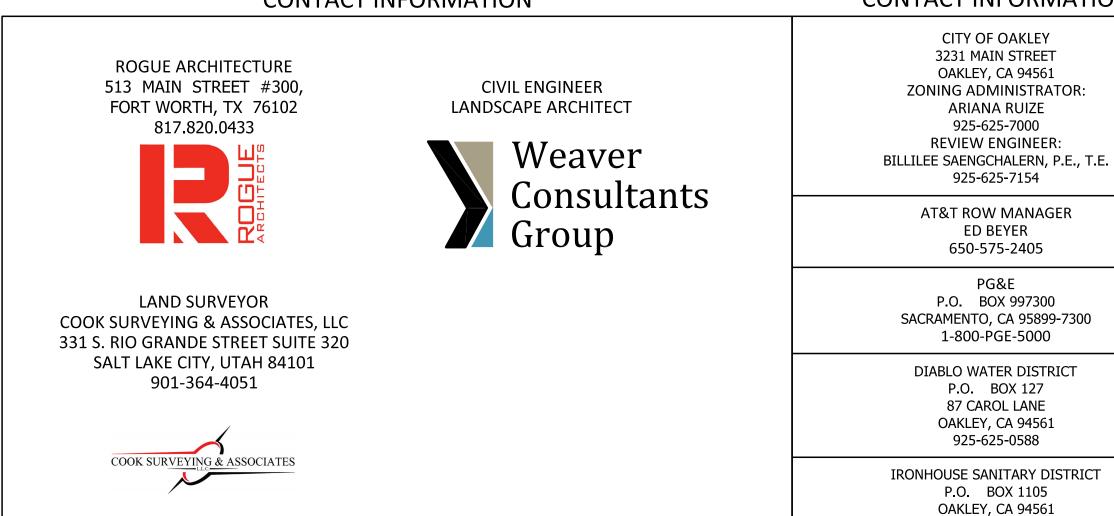




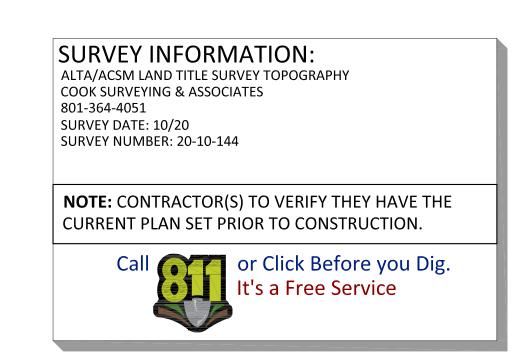
925.809.3003

DESIGN TEAM
CONTACT INFORMATION

TEAM CITY & UTILITY CONTACT INFORMATION



Sł	HEET INDEX
SHEET NO.	SHEET NAME
C-1	COVER SHEET
C-2	SPECIFICATIONS & LEGENDS
C-3	EX COND & DEMO PLAN
C-4	GEOMETRIC PLAN
C-5	GRADING & STM WATER PLAN
C-6	ACCESSIBILITY PLAN
C-7	UTILITY PLAN
C-8	SOIL EROSION CONTROL PLAN
C-9	SOIL EROSION DETAILS & SPECS
C-10	PROJECT DETAILS 1
C-11	PROJECT DETAILS 2
L-1	LANDSCAPE PLAN



MUNICIPAL/AGENCY APPROVAL STAMP





WENDY'S - OAKLEY
1082 E. MAIN STREET
OAKLEY, CA

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EVIEWED BY:

Weaver Consultants Group

04/09/2021

PRJ#: 5325-300-32-01



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- 1. STANDARDS AND SPECIFICATIONS: ALL APPLICABLE REQUIREMENTS OF THE ORDINANCES OF AUTHORITIES HAVING JURISDICTION (INCLUDING BUT NOT LIMITED TO THE STATE AND MUNICIPALITY) SHALL GOVERN THIS WORK.
- 2. ENGINEER OF RECORD: THE ENGINEER OF RECORD (ENGINEER) IS WEAVER CONSULTANTS GROUP NORTH CENTRAL, LLC (WEAVER). WEAVER'S REPRESENTATIVES MAY OBSERVE THE
- CONSTRUCTION AND COMMUNICATE WITH THE CONTRACTOR.

 EXAMINATION OF THE SITE: PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THAT ALL DIMENSIONS AND CONDITIONS AFFECTING THE WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IN ADDITION, THE CONTRACTOR MUST VERIFY THE ENGINEER'S LINE AND GRADES. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTION FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSION OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTION, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE.
- 4. CURRENT SET OF PLANS: THE CONTRACTOR SHALL VERIFY THAT THEY ARE WORKING WITH THE CURRENT SET OF PLANS AND SHALL HAVE ONE (1) SIGNED COPY OF THE PLANS AND A COPY OF ANY PERMITS AND EXTENSION AGREEMENTS AT THE JOB SITE AT ALL TIMES. THE CONTRACTOR SHALL ONLY BUILD FROM THE SET OF PLANS LABELED "ISSUED FOR CONSTRUCTION".
- 5. INDEMNIFICATION: THE CONTRACTOR SHALL INDEMNIFY THE ENGINEER OF RECORD, THE ARCHITECT OF RECORD, THE OWNER AND THE OWNER'S AGENTS, THE MUNICIPALITY AND ALL OTHER AGENCIES FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, AND TESTING OF THE WORK ON THIS PROJECT.
- 6. TOPOGRAPHIC SURVEY: TOPOGRAPHIC SURVEY INFORMATION SHOWN ON THE PLANS IS PROVIDED FOR INFORMATIONAL PURPOSES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE INFORMATION SHOWN IS CORRECT AND SHALL NOTIFY THE ENGINEER IMMEDIATELY OR ANY ERRORS, DISCREPANCIES OR OMISSIONS TO THE SURVEY INFORMATION PROVIDED. ANY COSTS INCURRED AS THE RESULT OF NOT CONFIRMING THE ACTUAL SURVEY SHALL BE BORNE BY THE CONTRACTOR.
- 7. UNDERGROUND UTILITIES: THE LOCATION OF EXISTING UTILITIES IS APPROXIMATE. THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY WHATSOEVER IN RESPECT TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS RELATIVE TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES OR THE MANNER IN WHICH THEY ARE TO BE REMOVED OR ADJUSTED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES. THE CONTRACTOR SHALL ALSO OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES, DETAILED INFORMATION RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULES OF THE UTILITY COMPANIES FOR REMOVING OR ADJUSTING THEM.
- 8. SUBSURFACE INVESTIGATION: SUBSURFACE EXPLORATION TO ASCERTAIN THE NATURE OF SOILS, INCLUDING THE AMOUNT OF ROCK, IF ANY, IS THE RESPONSIBILITY OF THE CONTRACTOR. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE SUCH SUBSURFACE INVESTIGATIONS AS DEEMED NECESSARY TO DETERMINE THE NATURE OF THE MATERIAL TO BE ENCOUNTERED. SOME SUBSURFACE EXPLORATION HAS BEEN PERFORMED BY THE GEOTECHNICAL ENGINEER OF RECORD ON THE PROJECT AND IS PROVIDED FOR INFORMATIONAL PURPOSES. THE DEVELOPER AND ENGINEER DISCLAIM ANY RESPONSIBILITY FOR THE ACCURACY, TRUE LOCATION AND EXTENT OF THE SOILS INFORMATION THAT HAS BEEN PREPARED BY OTHERS. THEY FURTHER DISCLAIM RESPONSIBILITY FOR INTERPRETATION OF THAT DATA BY THE CONTRACTOR, AS IN PROJECTING SOIL BEARING VALUES, ROCK PROFILES, SOILS STABILITY AND THE PRESENCE, LEVEL AND EXTENT OF UNDERGROUND WATER.
- 9. PERMITS AND LICENSES: THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL APPLICABLE PERMITS AND LICENSES AS REQUIRED BY STATE AND LOCAL AGENCIES. WHENEVER THE WORK REQUIRES THE OBTAINING OF PERMITS FROM THE GOVERNING AUTHORITIES, THE CONTRACTOR SHALL FURNISH DUPLICATE COPIES OF SUCH PERMITS TO THE DEVELOPER AND ENGINEER BEFORE THE WORK COVERED THEREBY IS STARTED. NO WORK WILL BE ALLOWED TO PROCEED BEFORE SUCH PERMITS ARE OBTAINED.
- WORK WILL BE ALLOWED TO PROCEED BEFORE SUCH PERMITS ARE OBTAINED.

 10. BONDS: PERFORMANCE, PAYMENT AND MAINTENANCE BONDS MAY BE REQUIRED FROM THE CONTRACTOR FOR ALL WORK CONSIDERED TO BE "PUBLIC" IMPROVEMENTS. BONDS SHALL BE IN THE FORM AND IN THE AMOUNTS AS REQUIRED BY THE GOVERNING AGENCIES.
- 11. SAFETY: WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC DURING ALL PHASES OF CONSTRUCTION ARE REQUIRED. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE SAFETY OF EMPLOYEES ON THE PROJECT AND SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF FEDERAL, STATE, AND MUNICIPAL SAFETY LAWS AND BUILDING CODES. CONTRACTOR SHALL ERECT AND PROPERLY MAINTAIN, AT ALL TIMES, AS REQUIRED BY THE CONDITIONS AND PROGRESS OF THE WORK, ALL NECESSARY SAFEGUARDS FOR PROTECTION OF WORKMEN AND THE PUBLIC AND SHALL POST DANGER SIGNS WARNING AGAINST KNOWN OR UNUSUAL HAZARDS.
- 12. NOTIFICATIONS: A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT, THE ENGINEER OF RECORD AND THE LOCAL UNDERGROUND LOCATE COMPANY FOR STAKING THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
 13. INSPECTIONS: INSPECTION OF THE PROPOSED CONSTRUCTION WILL BE PROVIDED BY THE
- GOVERNING AUTHORITIES AND/OR THE DEVELOPER OR ASSIGNED AGENTS. THE CONTRACTOR SHALL PROVIDE ASSISTANCE BY PROVIDING EXCAVATION, TRENCH SAFETY, OR OTHER WORK NECESSARY TO FACILITATE INSPECTION ACTIVITIES, AND SHALL GIVE SUFFICIENT NOTICE WELL IN ADVANCE OF PENDING CONSTRUCTION ACTIVITIES TO THE GOVERNING AUTHORITIES AND/OR DEVELOPER FOR SCHEDULING OF INSPECTION SERVICES. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DETERMINATION OF ANY REQUIRED INSPECTIONS, THE SCHEDULING AND CONTROL OF INSPECTIONS AND THE ACCEPTANCE OF ALL PUBLIC AND/OR PRIVATE UTILITIES BY THE APPROPRIATE GOVERNING AUTHORITY PRIOR TO TRENCH BACKFILLING.
- **14. SHOP DRAWINGS:** PROPOSED CONSTRUCTION MATERIALS SHALL BE SUBMITTED TO THE OWNER AND ENGINEER FOR APPROVAL IN ADVANCE OF MOBILIZATION. ANY DEVIATION FROM THE APPROVED CONSTRUCTION MATERIALS LIST MUST BE APPROVED BY THE ENGINEER IN WRITING.
- 15. CONSTRUCTION DEBRIS: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE FROM THE SITE ANY AND ALL MATERIALS AND DEBRIS WHICH RESULT FROM THE CONSTRUCTION OPERATIONS AT NO ADDITIONAL EXPENSE TO THE OWNER. WHENEVER, DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW OF GUTTERS, DRAINAGE STRUCTURES, DITCHES, ETC. SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL WILL BE REMOVED AT THE END OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

 16. SITE DRAINAGE: DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL ENSURE POSITIVE SITE DRAINAGE AT THE CONCLUSION OF EACH DAY. ALL DRAINAGE MAY BE
- ACHIEVED BY DITCHING, PUMPING OR OTHER METHODS ACCEPTABLE TO THE ENGINEER.

 17. DISPOSITION AND DISPOSAL OF EXCESS MATERIALS: ALL MATERIALS TO BE REMOVED FROM THE SITE, INCLUDING, BUT NOT LIMITED TO EXCESS MATERIALS AND UNSUITABLE MATERIALS SUCH AS CONCRETE, ASPHALT, LARGE ROCKS, REFUSE AND OTHER DEBRIS, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE PROJECT AT THE CONTRACTOR'S EXPENSE. DISPOSAL OF MATERIALS SHALL BE IN STRICT ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL RULES AND REGULATIONS.
- 18. CONSTRUCITON STAKING: ALL SURVEYING REQUIRED FOR CONSTRUCTION STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE DEVELOPER SHALL PROVIDE THE PROPERTY CORNERS AND TWO BENCHMARKS FOR USE AS HORIZONTAL AND VERTICAL DATUM. THE CONTRACTOR SHALL EMPLOY A REGISTERED PROFESSIONAL LAND SURVEYOR TO PERFORM ALL ADDITIONAL SURVEY, LAYOUT AND MEASUREMENT WORK NECESSARY FOR THE COMPLETION OF THE PROJECT. THE CONTRACTOR SHALL VERIFY THE SITE BENCHMARKS' ELEVATION SHOWN ON THE PLANS AND REPORT ANY DISCREPANCIES TO THE OWNER AND ENGINEER PRIOR TO ANY CONSTRUCTION STAKING. ALL CONSTRUCTION TRADES SHALL COORDINATE THROUGH THE GENERAL CONTRACTOR USING THE SAME BENCHMARKS FOR VERTICAL CONTROL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE REMOVAL, REPLACEMENT AND REDESIGN OF ANY IMPROVEMENTS CONSTRUCTED PRIOR TO CHECKING HORIZONTAL/VERTICAL CONTROL AND PLAN DIMENSIONS AND NOTIFICATION OF ANY DISCREPANCIES TO THE OWNER AND ENGINEER. ALL INSTRUMENTS ARE TO BE PROPERLY
- CALIBRATED PRIOR TO USE.

 19. PROPERTY CORNERS: THE CONTRACTOR SHALL PROTECT ALL PROPERTY CORNER MARKERS AND BENCHMARKS, AND WHEN ANY SUCH MARKERS OR MONUMENTS ARE IN DANGER OF BEING DISTURBED, THEY SHALL BE PROPERLY REFERENCED AND IF DISTURBED SHALL BE RESET BY A REGISTERED PUBLIC SURVEYOR AT THE EXPENSE OF THE
- 20. RECORD DRAWINGS: THE CONTRACTOR IS RESPONSIBLE TO PROVIDE TO THE ENGINEER OF RECORD AND THE OWNER RECORD DRAWINGS, PREPARED BY A LICENSED LAND SURVEYOR, OF ALL SITE IMPROVEMENTS. THESE RECORD DRAWINGS SHALL INCLUDE ALL DEVIATIONS TO THE DESIGN PLANS, ALL AS-CONSTRUCTED SPOT GRADES ON THE GRADING PLAN AND ALL AS-CONSTRUCTED GRADES INCLUDING RIMS, INVERTS AND PIPE SLOPES ON THE UTILITY PLAN. CONTRACTOR IS ALSO RESPONSIBLE TO MAKE ANY CORRECTIONS AS DETERMINED NECESSARY BY THE ENGINEER, OWNER AND/OR MUNICIPALITY AND UPDATE THE RECORD DRAWINGS ACCORDINGLY.
- 21. SOIL STABILIZATION: THE CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF THE EROSION CONTROL SPECIFICATIONS. ALL SOIL SHALL BE STABILIZED PRIOR TO ISSUANCE OF FINAL APPROVAL. SEE LANDSCAPE PLAN FOR DETAILS.

SPECIFICATIONS - PAVEMENT

- 1. STANDARDS AND SPECIFICATIONS: THE CURRENT EDITION OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD SPECIFICATIONS SHALL GOVERN THIS WORK.
- 2. PAVING CONDITIONS: THE BITUMINOUS MATERIALS SHALL ONLY BE LAID ON A SURFACE WHICH IS DRY AND WHEN THE WEATHER CONDITIONS ARE SUITABLE. THE BITUMINOUS BINDER COURSE SHALL BE PLACED ONLY WHEN THE TEMPERATURE IN THE SHADE IS AT LEAST 45 DEGREES F, WHEN THE TEMPERATURE IN THE SHADE FOR THE PREVIOUS 24 HOURS IS AT LEAST 32 DEGREES F AND WHEN RISING TEMPERATURES ARE FORECAST. THE SURFACE COURSE SHALL BE PLACED ONLY WHEN THE TEMPERATURE IN THE SHADE IS AT LEAST 50 DEGREES F, WHEN THE TEMPERATURE IN THE SHADE FOR THE PREVIOUS 24 HOURS IS AT LEAST 40 DEGREES F, AND WHEN RISING TEMPERATURES ARE FORECAST. ANY PAVEMENT ACTIVITY SHOULD BE STOPPED IN THE EVENT OF RAIN, REGARDLESS OF TEMPERATURE.
- 3. SUB-GRADE PREPARATIONS: IN ACCORDANCE WITH THE GOVERNING AUTHORITIES' SPECIFICATIONS AND THE GEOTECHNICAL REPORT, THE SUB-GRADE SHALL BE PROOF-ROLLED WITH HEAVY PNEUMATIC EQUIPMENT AND ANY SOFT OR PUMPING AREAS SHALL BE EXCAVATED TO FIRM SUB-GRADE AND BACKFILLED AND RE-COMPACTED. PAVEMENT SUB-GRADE SHALL NOT BE ALLOWED TO RETAIN WATER. WET MATERIAL SHALL BE REMOVED TO DRY.
- **4. INSPECTIONS:** PAVEMENT SUB-BASE, BASE AND SURFACE MUST EACH BE INSPECTED BY THE OWNER'S REPRESENTATIVE PRIOR TO THE NEXT PHASE OF WORK. PROOF ROLLING AND NUCLEAR DENSITY TESTING WILL BE UTILIZED IF REQUESTED BY OWNER.
- 5. CONCRETE TESTING: CONTRACTOR SHALL EMPLOY AN INDEPENDENT TESTING ENGINEER TO VERIFY THE SLUMP, AIR ENTRAINMENT AND PROVIDE (3) CYLINDER SAMPLES FOR EACH DAYS POUR, OR 50 C.Y. OF CONCRETE WHICHEVER OCCURS MORE OFTEN. COPIES OF ALL TEST RESULTS SHALL BE FORWARDED TO THE OWNER'S REPRESENTATIVE FOR APPROVAL.
- **6. JOINT SEALANT:** JOINT SEALANT SHALL BE A GRAY ELASTOMERIC SILICONE OR POLYURETHANE SEALANT DESIGNED FOR CONCRETE EXPANSION AND CONTROL JOINTS CONFORMING TO ASTM C920, OR APPROVED EQUAL.
- 7. CONCRETE SEALER: "SCOFIELD" CEMENTONE CLEAR SEALER OR APPROVED EQUAL SHALL BE APPLIED TO ALL CONCRETE PER MANUFACTURER'S RECOMMENDATIONS.
- **8. CURB TAPERS:** DUB DOWN (TAPER) CONCRETE CURBS TO ZERO HEIGHT AT SIDEWALKS. RAMP SIDEWALKS AS REQUIRED TO MEET EXISTING AND PROPOSED ADJACENT GRADES.
- 9. CONSTRUCTION TOLERANCE: PAVEMENT SUB-GRADE SHALL BE FINISHED TO 0.10' +/OF DESIGN SUB-GRADE ELEVATIONS. ALL PROPOSED CURB, SIDEWALK AND PAVEMENT
 SHALL BE CONSTRUCTED TO WITHIN 0.05' +/- OF THE DESIGN GRADES.
- **10. STRUCTURE ADJUSTMENTS:** ALL EXISTING STRUCTURES (MANHOLES, CATCH BASINS, VALVE BOXES, ETC.) SHALL BE ADJUSTED TO MEET THE FINAL PAVEMENT OR GROUND SURFACE ELEVATION AS REQUIRED.
- 11. SAW CUTTING: REMOVAL OF ALL PAVEMENT, SIDEWALK AND/OR CURB SHALL BE ACCOMPLISHED BY SAW CUTTING IN ACCORDANCE WITH THE STATE DOT SPECIFICATIONS.
- 12. CONCRETE CURB AT ENTRANCES: SAW CUTTING OF EXISTING CURB HEAD TO PROVIDE DEPRESSED CURB AT ENTRANCES IS PROHIBITED. THE CONTRACTOR SHALL SAW CUT EXISTING CURB AT LIMITS OF WORK AND REPLACE WITH DEPRESSED CURB AT ALL ENTRANCES. DRILL AND DOWEL ALL CURB INCLUDING DEPRESSED CURB TO EXISTING CURB PER THE DETAIL.
- 13. CONNECTION TO EXISTING CONCRETE: WHERE PROPOSED CONCRETE IS TO CONNECT TO EXISTING CONCRETE, AT LEAST 15" OF REINFORCING STEEL SHALL BE EXPOSED FROM THE EXISTING CONCRETE OR THE CONTRACTOR SHALL PROVIDE NEW HORIZONTAL DOWEL BARS PER THE DETAILS.
- **14. ACCESSIBILITY SPECIFICATIONS:** SEE ACCESSIBILITY SPECIFICATIONS FOR MORE INFORMATION REGARDING PAVING IN THE ACCESSIBLE AREAS.

SPECIFICATIONS - GRADING

- 1. EROSION CONTROL MEASURES: CONTRACTOR SHALL COMPLY WITH THE EROSION CONTROL PLAN INCLUDING, BUT NOT LIMITED TO, PERIMETER SILT FENCE AND INLET PROTECTION, PRIOR TO THE START OF DEMOLITION.
- 2. TESTING: ALL EARTHWORK OPERATIONS SHALL BE OBSERVED AND TESTED ON A CONTINUING BASIS BY THE GEOTECHNICAL ENGINEER FOR CONFORMANCE WITH THE REQUIREMENTS SET FORTH IN THE GEOTECHNICAL REPORT.
- 3. UNDISTURBED AREAS: PRIOR TO GRADING, BRUSH REMOVAL, OR SITE CONSTRUCTION, THE CONTRACTOR SHALL MEET WITH THE DEVELOPER AND/OR ENGINEER AT THE SITE TO ASCERTAIN THE AREAS OF THE PROJECT SITE THAT ARE TO BE PROTECTED AND PRESERVED. REFER TO THE LANDSCAPE PLANS AND TREE PROTECTION PLANS FOR ALL CONSTRUCTION IN THE VICINITY OF EXISTING TREES.
- 4. STRIPPING AND DEBRIS REMOVAL: THE BUILDING PAD SITES, AREAS TO BE PAVED, AND ALL AREAS THAT ARE TO RECEIVE FILL MATERIAL SHALL BE STRIPPED OF VEGETATION, TREES, ROOTS, STUMPS, DEBRIS, AND OTHER ORGANIC MATERIAL. STRIPPED TOPSOIL SHALL BE STOCKPILED IN A LOCATION ON-SITE APPROVED BY THE DEVELOPER IF IT HAS BEEN DETERMINED THAT IT CAN BE RE-USED ON THE SITE. ALL TREES INCLUDING STUMPS AND ROOT SYSTEMS, VEGETATION, DEBRIS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OFF-SITE. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS GOVERNING SPILLAGE OF DEBRIS WHILE TRANSPORTING TO A DISPOSAL SITE. ALL COSTS ASSOCIATED WITH DISPOSAL OF MATERIAL SHALL BE INCLUDED IN THE CONTRACT AMOUNT.
- 5. PROOF ROLLING: UPON COMPLETION OF STRIPPING OPERATIONS, AND PRIOR TO PLACEMENT OF ANY FILL MATERIALS, THE STRIPPED AREAS SHOULD BE OBSERVED TO DETERMINE IF ADDITIONAL EXCAVATION IS REQUIRED TO REMOVE WEAK OR OTHERWISE OBJECTIONABLE MATERIALS THAT WOULD ADVERSELY AFFECT THE FILL PLACEMENT. THE SUB-GRADE SHOULD BE FIRM AND ABLE TO SUPPORT CONSTRUCTION EQUIPMENT WITHOUT DISPLACEMENT. SOFT OR YIELDING SUB-GRADE SHOULD BE CORRECTED AND MADE STABLE BEFORE CONSTRUCTION PROCEEDS. PROOF ROLLING SHOULD BE PERFORMED USING A HEAVY PNEUMATIC TIRE ROLLER, LOADED DUMP TRUCK, OR SIMILAR PIECE OF EQUIPMENT WEIGHING 25 TONS. THE PROOF ROLLING OPERATIONS SHOULD BE OBSERVED BY THE GEOTECHNICAL ENGINEER OR HIS REPRESENTATIVE.
- 6. CONTROLLED FILL: ALL SOILS USED FOR CONTROLLED FILL SHOULD BE FREE OF ROOTS, VEGETATION, AND OTHER DELETERIOUS OR UNDESIRABLE MATTER. SOILS IMPORTED FROM OFF-SITE FOR USE AS FILL SHOULD BE APPROVED BY THE GEOTECHNICAL ENGINEER. THE FILL MATERIAL SHOULD BE PLACED IN LEVEL, UNIFORM LIFTS, WITH EACH LIFT COMPACTED TO THE MINIMUM DRY DENSITY WITHIN THE COMPACTION SOIL MOISTURE RANGES RECOMMENDED. THE LOOSE LIFT THICKNESS SHOULD NOT EXCEED 10 INCHES. EACH LAYER SHOULD BE PROPERLY PLACED, MIXED, SPREAD, AND COMPACTED TO BETWEEN 95 AND 100 PERCENT OF STANDARD PROCTOR DENSITY AS DETERMINED BY ASTM D-698.
- 7. SOIL COMPACTION: UNLESS OTHERWISE SPECIFIED BY THE GEOTECHNICAL ENGINEER, WITHIN THE LIMITS OF PROPOSED GRADING, THE SOIL SHALL BE COMPACTED IN 6" MAXIMUM LIFTS OF DRY SUB-GRADE, BACKFILL OR FILL MATERIAL TO NOT LESS THAN THE FOLLOWING PERCENTAGES OF MODIFIED PROCTOR DRY DENSITY IN ACCORDANCE WITH ASTM D 1157-78:
- 8. UNDER STRUCTURES AND PAVEMENTS: 95% MODIFIED PROCTOR DRY DENSITY.
- UNDER PARKWAY OR UNPAVED AREAS: 85% MODIFIED PROCTOR DRY DENSITY.
 PROPOSED GRADES: THE PROPOSED CONTOURS INDICATED ON THE GRADING PLAN
 ARE FINISHED GRADES AND ARE SHOWN AT ONE-FOOT INTERVALS. SPOT ELEVATIONS
 SHOWN ARE FINAL GRADES AND ARE NOTED WITH A PREFIX AS IDENTIFIED IN THE
 LEGEND
- 11. TOLERANCE: ALL SUB-GRADE SHALL BE GRADED TO WITHIN 0.1' +/- OF THE PROPOSED SUBGRADE ELEVATIONS. ALL FINAL GRADES IN LANDSCAPE AREAS SHALL BE WITHIN 0.1' +/- OF THE PROPOSED GRADES AND CONTOUR LINES. SEE PAVING SPECIFICATIONS FOR TOLERANCE ON PAVED SURFACES.
- 12. SITE DRAINAGE: DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL ENSURE POSITIVE SITE DRAINAGE AT THE CONCLUSION OF EACH DAY. ALL DRAINAGE MAY BE ACHIEVED BY DITCHING, PUMPING OR OTHER METHODS ACCEPTABLE TO THE ENGINEER.
- ENGINEER.

 13. TOPSOIL: SEE LANDSCAPE PLAN FOR DETAILS AND SPECIFICATIONS. AT A MINIMUM, ALL LANDSCAPE AREAS SHALL BE RESPREAD WITH 4" OF FRIABLE, WEED FREE, AND

ROCK FREE TOPSOIL.

SPECIFICATIONS - UTILITIES

- 1. STANDARDS AND SPECIFICATIONS: THE CURRENT EDITIONS OF THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN CALIFORNIA" SHALL GOVERN THE PERFORMANCE OF THE WORK. "TRENCHING" AND "OPEN EXCAVATION" OPERATIONS SHALL COMPLY WITH ALL CURRENT O.S.H.A. REGULATORY REQUIREMENTS.
- 2. **EXISTING UTILITIES:** THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATIONS AND PROTECTION OF ALL EXISTING UTILITIES SHOWN, ALL EXISTING UTILITIES NOT SHOWN, AND ALL PROPOSED UTILITIES ON THESE PLANS.
- 3. TEMPORARY ROADWAY PATCHES: IT IS THE CONTRACTORS RESPONSIBILITY TO MAINTAIN ANY TEMPORARY ROADWAY PATCHES THAT MAY OCCUR IN ORDER TO REOPEN A ROADWAY WHILE CONSTRUCTION ACTIVITY PROGRESSES, UNTIL SUCH TIME A PERMANENT PATCH CAN BE INSTALLED.
- 4. TRENCH BACKFILL IN RIGHT OF WAYS: CARE SHALL BE TAKEN IN PARKWAYS AREAS TO ASSURE COMPACTION ACCEPTABLE FOR THE FUTURE STABILITY OF DRIVEWAYS AND SIDEWALKS. WHILE SPECIAL BACKFILL MATERIAL IS NOT REQUIRED, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT AGAINST POTENTIAL FUTURE SETTLEMENT OF BACKFILLED AREAS.
- 5. TRENCH BACKFILL: TRENCH BACKFILL MATERIAL (SEE DETAIL), SHALL BE PROVIDED UNDER AND WITHIN TWO FEET OF ALL PROPOSED AND FUTURE SIDEWALK, CURBS AND PAVEMENT.
- **6. STRUCTURE BEDDING:** ALL STRUCTURE BEDDING SHALL BE COMPACTED CRUSHED STONE OR LIMESTONE MEETING CA-6 STANDARDS.
- 7. WATER AND SEWER SEPARATION: ALL SEWERS SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED WATER MAIN. THE DISTANCE SHALL BE MEASURED EDGE TO EDGE. ALL SEWERS CROSSING WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF THE SEWER. THIS SHALL BE THE CASE WHERE THE WATER MAIN IS EITHER ABOVE OR BELOW THE SEWER. THE CROSSING SHALL BE ARRANGED SO THAT THE SEWER JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN JOINTS. WHERE A WATER MAIN CROSSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT SHALL BE PROVIDED FOR THE SEWER TO PREVENT DAMAGE TO THE WATER MAIN AND THE SEWER SHALL BE CONSTRUCTED OF WATERMAIN QUALITY MATERIALS FOR 10' ON EITHER SIDE OF THE PIPE. WHEN IT IS IMPOSSIBLE TO OBTAIN PROPER HORIZONTAL AND/OR VERTICAL SEPARATION AS STIPULATED ABOVE, THE SEWER SHALL BE CONSTRUCTED WITH WATER MAIN QUALITY MATERIALS.
- 8. TRANSFORMER PAD: THE CONTRACTOR IS RESPONSIBLE FOR THE ELECTRICAL TRANSFORMER CONCRETE PAD PER THE UTILITY COMPANY SPECIFICATIONS.
- 9. SEWER LID LETTERING: ALL SANITARY SEWER CASTINGS TO BE LETTERED "SANITARY SEWER". ALL STORM SEWER SOLID LID CASTINGS SHALL BE LETTERED "STORM SEWER". ALL WATER CASTINGS TO BE LETTERED "WATER". ALL FRAMES AND CASTINGS SHALL MEET ALL MUNICIPAL, STATE AND REGULATORY AGENCY REQUIREMENTS AND SPECIFICATIONS.
- 10. FRAME AND GRATES: UNLESS OTHERWISE SPECIFIED ON A DETAIL OR WITHIN MUNICIPAL SPECIFICATIONS, ALL FRAME AND GRATES TO BE:
 - 10.1. STORM STRUCTURES WITH OPEN LIDS IN STANDARD CURBS: EJIW 7220 FRAME WITH TYPE M1 GRATE AND T1 CURB BOX, OR APPROVED EQUAL.
 10.2. STORM STRUCTURES WITH OPEN LIDS IN DEPRESSED CURBS: EJIW 5120 F&G, OR
- APPROVED EQUAL.

 10.3. STORM STRUCTURES WITH OPEN LIDS IN PAVEMENT: EJIW 1022 FRAME WITH

 TYPE M1 RADIAL ELAT GRATE, OR APPROVED FOLIAL
- TYPE M1 RADIAL FLAT GRATE, OR APPROVED EQUAL.

 10.4. STORM STRUCTURES WITH OPEN LIDS IN LANDSCAPE AREAS: EJIW 6527N 2"
- BEEHIVE GRATE, OR APPROVED EQUAL.

 10.5. STORM STRUCTURES WITH CLOSED LIDS: EJIW 1022 FRAME WITH TYPE A SOLID
- COVER, OR APPROVED EQUAL. 10.6. WATER VALVES: EJIW 1022-A, OR APPROVED EQUAL.
- 10.7. SANITARY SEWER: EJIW 1022 WITH WATERTIGHT LID AND CONCEALED PICK HOLE, OR APPROVED EQUAL.
 11. WATER MAIN BURY DEPTH: THE MINIMUM COVER FOR WATER MAIN SHALL BE 5.5'
- FROM THE FINISHED GRADE TO THE TOP OF THE MAIN.

 12. CONDUIT AND SLEEVES: ALL UNDERGROUND CONDUIT AND SLEEVES ARE TO BE PLACED BEFORE SITE PAVING CONSTRUCTION COMMENCES AND SHALL BE BURIED A MINIMUM OF 24" BELOW THE BOTTOM OF THE PAVEMENT EXCEPT ELECTRICAL CONDUIT WHICH SHALL BE A MINIMUM OF 36" DEEP. ALL CONDUIT SHALL EXTEND TWO FEET BEYOND THE BACK OF CURB OR EDGE OF SIDEWALK. CONTRACTOR SHALL FURNISH ALL CONDUIT AS NECESSARY FOR UTILITY SERVICES. GAS, TELEPHONE AND ELECTRIC LOCATIONS MAY BE SHOWN ON THE PLAN AS A GUIDE. EXACT LOCATIONS
- SHALL BE DETERMINED BETWEEN THE CONTRACTOR AND UTILITY COMPANIES.

 13. WATER MAIN TESTING: ALL WATER LINES, FITTINGS AND VALVES SHALL BE TESTED FOR PRESSURE AND LEAKAGE IN ACCORDANCE WITH AWWA C600 AND FLUSHED AND DISINFECTED IN ACCORDANCE WITH AWWA C651. ALL VAULTS SHALL BE VACUUM TESTED TO PREVENT INFILTRATION. ALL TESTING, FLUSHING AND DISINFECTION SHALL BE WITNESSED AND APPROVED AND SHALL BE IN COMPLIANCE WITH ALL MUNICIPAL, STATE AND REGULATORY AGENCY GUIDELINES, REQUIREMENTS AND SPECIFICATIONS.
- 14. SANITARY SEWER TESTING: ALL SANITARY SEWER SHALL BE INSPECTED AND TESTED UPON COMPLETION OF INSTALLATION TO THE APPROVAL OF THE MUNICIPALITY AND/OR SANITARY DISTRICT AND IEPA. EXFILTRATION TESTING (LEAKAGE SHALL NOT EXCEED 240 GALLONS PER INCH OF PIPE DIAMETER PER MILE PER DAY) OR AIR TESTING PER ASTM F-1417 (PLASTIC) OR ASTM C-828 (CLAY) AS WELL AS AND DEFLECTION TESTING ARE REQUIRED FOR THE SEWER. LEAKAGE TESTING PER ASTM C-969 OR VACUUM TESTING PER ASTM C-1244 ARE REQUIRED FOR MANHOLES.
- 15. SEDIMENT REMOVAL: ALL DRAINAGE STRUCTURES, PIPES AND PAVEMENT SURFACES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO FINAL ACCEPTANCE AND AS MAY BE PERIODICALLY REQUIRED DURING THE COURSE OF CONSTRUCTION
- COURSE OF CONSTRUCTION.

 16. FLARED END SECTION GRATES: ALL FLARED END SECTIONS SHALL HAVE GRATES AND
- THE GRATES SHALL FOLLOW THE INTENT OF THE IDOT STANDARD.

 17. STEPS IN STRUCTURE: ALL STRUCTURE STEPS SHALL BE GREY CAST IRON ASTM A-48 OR POLYPROPYLENE COATED STEEL REINFORCING RODS WITH LOAD AND PULLOUT RATINGS MEETING OSHA STANDARDS.

DIABLO WATER DISTRICT - GENERAL NOTES

- 1. WATER SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE DIABLO WATER DISTRICT (DISTRICT). CONTRACTOR TO HAVE THE JUNE 2019 STANDARD SPECIFICATIONS AND DRAWINGS BOOK ON SITE AT ALL TIMES. THIS CAN BE SEEN ONLINE AT WWW.DIABLOWATER.ORG UNDER "CONSTRUCTION SERVICES". ANY AND ALL UPDATES TO THE DISTRICT'S SPECIFICATIONS WILL BE AVAILABLE ON THE DISTRICT'S WEBSITE. HARD COPIES OF THE STANDARDS AND SPECIFICATIONS ARE AVAILABLE AT THE DISTRICT'S OFFICE AT 87 CAROL LANE, OAKLEY, CA, PHONE: (925)
- 625-3798, FOR A COST OF \$50.

 2. ANYONE WHO TAKES WATER FROM THE DISTRICT'S WATER SYSTEM WITHOUT PROPER METERING SHALL BE SUBJECT TO THE DISTRICT'S TAMPERING CHARGE, FEES AND COSTS AS PER THE DISTRICT'S REGULATIONS AND MAY BE SUBJECT TO CRIMINAL PROSECUTION PURSUANT TO CALIFORNIA PENAL CODE SECTION 498 OR OTHER APPLICABLE STATUTES.
- PURSUANT TO CALIFORNIA PENAL CODE SECTION 498 OR OTHER APPLICABLE STATUTES.

 3. THE DEVELOPER/CONTRACTOR SHALL SUBMIT TO THE DISTRICT THE SOIL CORROSION ANALYSIS AND DESIGN AS REQUIRED BY THE DISTRICT'S SPECIFICATIONS AFTER ROUGH GRADING OF THE SITE HAS BEEN COMPLETED. NO WORK ON THE DISTRICT'S WATER SYSTEM SHALL COMMENCE UNTIL THE DISTRICT HAS GIVEN ITS APPROVAL OF THE SOIL
- ANALYSIS AND CORROSION PROTECTION DESIGN.

 4. ALL WATER MAINS SHALL BE AWWA C900 CLASS 150 PVC UNLESS OTHERWISE NOTED ONTHESE PLANS. ALL PLASTIC PVC WATER MAINS AND SERVICES SHALL INCLUDE A 12-GAUGE, SINGLE STRAND, COPPER WIRE TAPED TO THE TOP OF THE PIPE. TOP OF CURB
- SHALL BE STAMPED WITH A "W" TO MARK THE LOCATION OF THE WATER LATERAL.

 5. WATER LINES SHALL HAVE A MINIMUM COVER OF 3 FEET, AND NOT MORE THAN 4.5 FEET
 (UNLESS PRE-APPROVED BY THE DISTRICT) FROM FINISH ROADWAY AND SHALL HAVE
 CONTINUOUS WARNING TAPE INSTALLED 18" ABOVE ALL WATER MAINS, SERVICE LINES,
 HYDRANT LINES AND BLOW-OFF LINES, UNLESS OTHERWISE NOTED. WARNING TAPE SHALL
 BE BLUE, 6" WIDE, PLASTIC PRINTED CONTINUOUSLY WITH THE WORDS "CAUTION BURIED
- WATER LINE BELOW". (REF:SEC. 02620-2.03B)

 6. BASIC SEPARATION REQUIREMENTS FOR WATER MAINS AND SANITARY SEWERS: NEW WATER MAINS AND NEW SUPPLY LINES SHALL NOT BE INSTALLED IN THE SAME TRENCH AS, AND SHALL BE INSTALLED FROM OUTSIDE TO OUTSIDE OF PIPE AT LEAST 10-FEET HORIZONTALLY FROM AND ONE FOOT VERTICALLY ABOVE, ANY PARALLEL PIPELINE CONVEYING UNTREATED SEWAGE, DISINFECTED SECONDARY RECYCLED WATER, AND HAZARDOUS FLUIDS.
- 7. BASIC SEPARATION REQUIREMENTS FOR WATER MAINS AND STORM DRAINAGE AND RECYCLED WATER PIPELINES: NEW WATER MAINS AND NEW SUPPLY LINES SHALL BE INSTALLED FROM OUTSIDE TO OUTSIDE OF PIPE AT LEAST 4-FEET HORIZONTALLY FROM, AND ONE FOOT VERTICALLY ABOVE, ANY PARALLEL PIPELINE CONVEYING STORM DRAINAGE AND DISINFECTED TERTIARY RECYCLED WATER.
- 8. IF CROSSING A SANITARY SEWER OR STORM DRAIN PIPELINE OR RECYCLED WATER PIPELINE, A NEW WATER MAIN SHALL BE CONSTRUCTED NO LESS THAN 45-DEGREES TO AND AT LEAST ONE FOOT ABOVE THAT PIPELINE. NO CONNECTION JOINTS SHALL BE MADE IN THE WATER MAIN WITHIN EIGHT HORIZONTAL FEET OF THE PIPELINE BEING CROSSED.
- 9. SPECIAL CONSTRUCTION REQUIREMENTS FOR WATER MAINS: WHERE A WATER MAIN IS TO BE LOCATED PARALLEL TO OR CROSS A SANITARY SEWER OR STORM DRAIN PIPELINE OR RECYCLED WATER PIPELINE WITH LESS THAT THE REQUIRED SEPARATION, THE INSTALLATION AND MATERIALS SHALL CONFORM TO THE STATE OF CALIFORNIA, DIVISION OF DRINKING WATER, CALIFORNIA REGULATIONS RELATED TO DRINKING WATER, AND
- SHALL BE SUBJECT TO THE APPROVAL OF THE DIVISION OF DRINKING WATER.

 10. MAINTAIN 5.0' MINIMUM SEPARATION BETWEEN WATER SERVICES AND SANITARY SEWER LATERALS.
- 11. PUBLIC FIRE HYDRANTS SHALL HAVE 1-4 ½" & 2-2 ½" OUTLETS, AND EACH HYDRANT SHALL BE ISOLATED FROM THE MAIN LINE BY A 6" GATE VALVE AND SHALL RECEIVE TWO (2) COATS OF RUSTOLEUM V7400 SAFETY YELLOW. VALVE CAN LIDS FOR 6" FIRE HYDRANT SHUT-OFF VALVE SHALL BE PAINTED WITH KRYLON INTERIOR/EXTERIOR FLAT WHITE BLANCO MATE #1502 AS PER FIRE DEPARTMENT REQUIREMENTS.
- USE MUELLER STREAMLINE PVC COATED COPPER FOR SERVICE LINE AND ARV PIPING.
 CONTRACTOR SHALL INSTALL CURB STOPS AND METER BOXES ACCEPTABLE TO DIABLO WATER DISTRICT AT EACH LOT IMMEDIATELY PRIOR TO JUMPER BEING REMOVED. AT THE EXPENSE OF THE DEVELOPER/CONTRACTOR, PAD LOCKS WILL BE INSTALLED BY DIABLO
- EXPENSE OF THE DEVELOPER/CONTRACTOR, PAD LOCKS WILL BE INSTALLED BY DIABLO
 WATER DISTRICT AT EACH ANGLE STOP.

 14. USE 304 STAINLESS STEEL NUTS AND BOLTS FOR ALL BOLT-UPS AS WELL AS GATE VALVE
 BONNETS AND STUFFING BOX NUTS AND BOLTS. BOLTS SHALL BE MARKED 'F-593C' OR
- 'F-593D' ONLY. HEADS WITH TWO SLASH MARKS ARE NOT TO BE USED.
 THE CONTRACTOR SHALL MAINTAIN WATER SERVICE TO ALL RESIDENCES AT ALL TIMES DURING CONSTRUCTION.
- NO WORK SHALL COMMENCE UNTIL ALL SUBMITTALS HAVE BEEN APPROVED.
 THRUST BLOCKS (OR OTHER PIPE JOINT RESTRAINTS) SHALL BE PROVIDED AT ALL ANGLE POINTS ON THE WATER SYSTEM. THRUST BLOCKS FOR TREATED WATER PIPELINES (W) SHALL BE PER THE DWD DETAILS.
- 18. WORK HOURS SHALL BE MONDAY THROUGH FRIDAY 8:00 A.M. TO 4:30 P.M. EXCEPT FOR DISTRICT OBSERVED HOLIDAYS. ANY REQUESTS FOR WORKING OUTSIDE THESE TIMES MUST BE SUBMITTED TO THE DISTRICT INSPECTOR AT LEAST 48 HOURS IN ADVANCE. IT IS RECOMMENDED THAT REQUESTS FOR SATURDAY WORK BE MADE BY THE CLOSE OF BUSINESS THE WEDNESDAY PRIOR. REQUESTS FOR SATURDAY WORK MAY BE APPROVED OR DENIED DEPENDING ON INSPECTOR AVAILABILITY. A REQUEST FOR WORK DURING A DISTRICT HOLIDAY SHALL NOT BE PERMITTED.
- 19. ALL JOINT TRENCH UTILITIES SHALL CROSS UNDERNEATH ALL WATER FACILITIES. IF THESE CRITERIA CANNOT BE MET, THE DEVELOPER/CONTRACTOR SHALL INSTALL A RED CONCRETE CAP OVER THE JOINT TRENCH FACILITIES.
- 20. ALL BUTTERFLY VALVES (BFVS) SHALL BE EPOXY LINED AND COATED. LINING SHALL BE CERTIFIED BY THE FACTORY TO BE HOLIDAY FREE.21. ALL HOT TAPS SHALL BE PERFORMED BY TAP MASTER, INC. OF CONCORD, CALIFORNIA,
- PHONE: 925-439-7975. TAPPING SLEEVE SHALL BE STAINLESS STEEL TYPE JCM 432, NO EQUAL.

 22. NO TREES SHALL BE PLANTED, OR LIGHT/UTILITY POLES INSTALLED WITHIN 10' OF ANY
- WATER MAINS, FIRE SERVICES, OR FIRE HYDRANT LATERALS. MEASUREMENT SHALL BE TAKEN AS THE CLEAR DISTANCE BETWEEN THE ROOT BALL AND WATER MAIN.

 23. ALL LOCATOR WIRES SHALL BE TESTED, AND TEST RESULTS SHALL BE INCLUDED IN THE
- CATHODIC PROTECTION TEST REPORT.

 24. ALL WATER METERS SHALL BE PROVIDED WITH A 520M-FLEXNET MTX UNIT. METER BOXES FOR METERS LESS THAN 1-1/2 INCH IN SIZE SHALL HAVE CHRISTY B12P001-F (FLEXNET)
- LIDS. ALL METER BOX LIDS SHALL HAVE DRILLED HOLES FOR FLEXNET 520M UNITS.

 25. WATER METERS 5/8" IN SIZE SHALL BE SENSUS 5/8" X 3/4" SRII LOW LEAD, 1 CUBIC FOOT, LABELED 5/8" X 3/4". WATER METERS 1" IN SIZE SHALL BE SENSUS 1" SRII LOW LEAD, 1 CUBIC FOOT. FLOW METERS 1-1/2" THROUGH 4" IN SIZE SHALL BE SENSUS OMNI C2.
- COMPOUND METERS (CUBIC FEET).

 26. JDH CORROSION CONSULTANTS, INC., 1100 WILLOW PASS COURT, CONCORD, CA,
 925-927-6630, SHALL CONDUCT ALL FINAL CATHODIC PROTECTION TEST REPORTS AT THE
 EXPENSE OF THE DEVELOPER/CONTRACTOR.
- 27. INSTALL A BALL SHUT-OFF VALVE AND BOX ON CUSTOMER'S SIDE AFTER BACKFLOW DEVICE FOR NEW CONSTRUCTION AS REQUIRED BY THE CITY OF OAKLEY'S SPECIFICATIONS.
 28. THE DEVELOPER/CONTRACTOR SHALL PROVIDE THE GLOBAL POSITIONING SYSTEM (GPS) COORDINATES OF ALL BURIED FITTINGS (EXCLUDING SADDLES AND CORPORATION STOPS) AND ALL ABOVE GROUND FACILITIES AS DETERMINED BY THE DISTRICT IN A SHAPEFILE DATA FORMAT AS DEFINED BY ESRI. GPS COORDINATES OF EXISTING WATER FACILITIES THAT ARE EXPOSED DURING ANY CONSTRUCTION ACTIVITY SHALL ALSO BE PROVIDED. ALL GPS COORDINATES SHALL BE TO WITHIN AN ACCURACY OF TEN (10) CENTIMETERS AND
- SHALL INCLUDE LATITUDE, LONGITUDE AND ELEVATION.

 29. THE CONTRACTOR SHALL RE-CHLORINATE AND RETEST ANY LINES THAT DO NOT PASS THE FIRST OR SUBSEQUENT ROUND OF BACTERIOLOGICAL TESTING OR AS DIRECTED BY DIABLO WATER DISTRICT.
- 30. ALL MATERIALS AND PRODUCTS SHALL BE NSF 61 CERTIFIED THAT ARE IN CONTACT WITH AND POTENTIALLY IN CONTACT WITH POTABLE WATER, INCLUDING SURFACES WITHIN THE AIR SPACE OF THE WATER.

31. CONTRACTORS USING THEIR WATER METER FOR THE TEMPORARY JUMPER, MUST HAVE

YEARLY CALIBRATION TESTS PERFORMED AND SHALL SUBMIT THE REPORT TO THE

DISTRICT.

IRON HOUSE SANITARY DISTRICT - GENERAL NOTES

- 1. ALL SANITARY SEWER CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE IRONHOUSE SANITARY DISTRICT (ISD) AND BE SUBJECT TO INSPECTION BY AN INSPECTOR REPRESENTING ISD. COPIES OF THE STANDARD PLANS AND SPECIFICIATIONS ARE AVAILABLE AT THE DISTRICT OFFICE, 450 WALNUT MEADOWS DRIVE, OAKLEY, CA 94561. PHONE: 925-625-2279.
- PHONE: 925-625-2279.

 2. ALL GRAVITY SANITARY SEWER PIPE SHALL BE POLYVINYL CHLORIDE PIPE CONFORMING TO ASTM D 3034, SDR 26, UNLESS OTHERWISE NOTED. ALL SANITARY SEWER FORCEMAINS SHALL CONFORM TO AWWA C900, CLASS 200 (DR14). CONTRACTOR SHALL OBTAIN APPROVAL FROM ISD FOR SANITARY SEWER PIPE OR FORCEMAIN THAT DEVIATES FROM
- THIS CRITERIA.

 3. GRAVITY SANITARY SEWERS SHALL BE LAID AT THE FOLLOWING MINIMUM SLOPES:

SEWER SIZE (INCHES)	MINIMUM SLOPE FEET/						
8	0.0035						
10	0.0028						
12	0.0017						
12	0.0015						

- 4. MANHOLES SHALL BE PLACED AT INTERVALS NOT GREATER THAN THREE-HUNDRED (300) FEET.
- ALL PIPES DELIVERED TO JOB SITE ARE TO BE MARKED AS TO PIPE TYPE, STRENGTH, CLASS AND BRAND NAME.
 FINAL TESTS OF THE SANITARY SEWER ARE TO BE PERFORMED AFTER 100% ROCK IS
- PLACED AND COMPACTION TEST RESULTS ARE SATISFACTORY TO ISD, AS PER THE STANDARD SPECIFICATIONS FOR DESIGN AND CONSTRUCTION, CENTRAL CONTRA COSTA SANITARY DISTRICT SECTION 18-03, CLEANING AND TESTING.
- PLASTIC PIPE SHALL BE MANDRELED WITH RIGID MANDREL WITH EFFECTIVE CIRCULAR
 CROSS SECTION HAVING A DIAMETER OF AT LEAST 95% OF THE SPECIFIED AVERAGE INSIDE
 DIAMETER OF PIPE.
 ALL SEWER LINES SHALL BE AIR TESTED AS PER THE STANDARD SPECIFICATIONS FOR

COMPANY. THE TELEVISING CONTRACTOR SHALL BE APPROVED BY THE DISTRICT AT LEAST

TWO WEEKS IN ADVANCE OF THE WORK. AN ISD INSPECTOR MUST BE PRESENT DURING

- DESIGN AND CONSTRUCTION, CENTRAL CONTRA COSTA SANITARY DISTRICT SECTION 18-03, CLEANING AND TESTING.

 9. ALL SEWER LINES SHALL BE BALL FLUSHED AS PER THE STANDARD SPECIFICATIONS FOR
- DESIGN AND CONSTRUCTION, CENTRAL CONTRA COSTA SANITARY DISTRICT SECTION
 18-03, CLEANING AND TESTING.

 10. ALL SEWER LINES 6-INCHES AND LARGER WILL BE TELEVISED BY AN ISD APPROVED
- THE TELEVISING PROCESS.

 11. DEVELOPER SHALL FURNISH COMPACTION TEST OF SEWER TRENCH AT 400 FOOT INTERVALS BY A QUALIFIED LAB PER CENTRAL CONTRA COSTA SANITARY DISTRICT
- SPECIFICATION 20.03E.

 12. ALL PLASTIC SANITARY SEWER LINES AND LATERALS SHALL HAVE ROCK MATERIAL BEDDING AND SHADING WITHIN THE RIGHT-OF-WAY IN ACCORDANCE WITH CENTRAL CONTRA
- COSTA SANITARY DISTRICT SECTION 28-21.

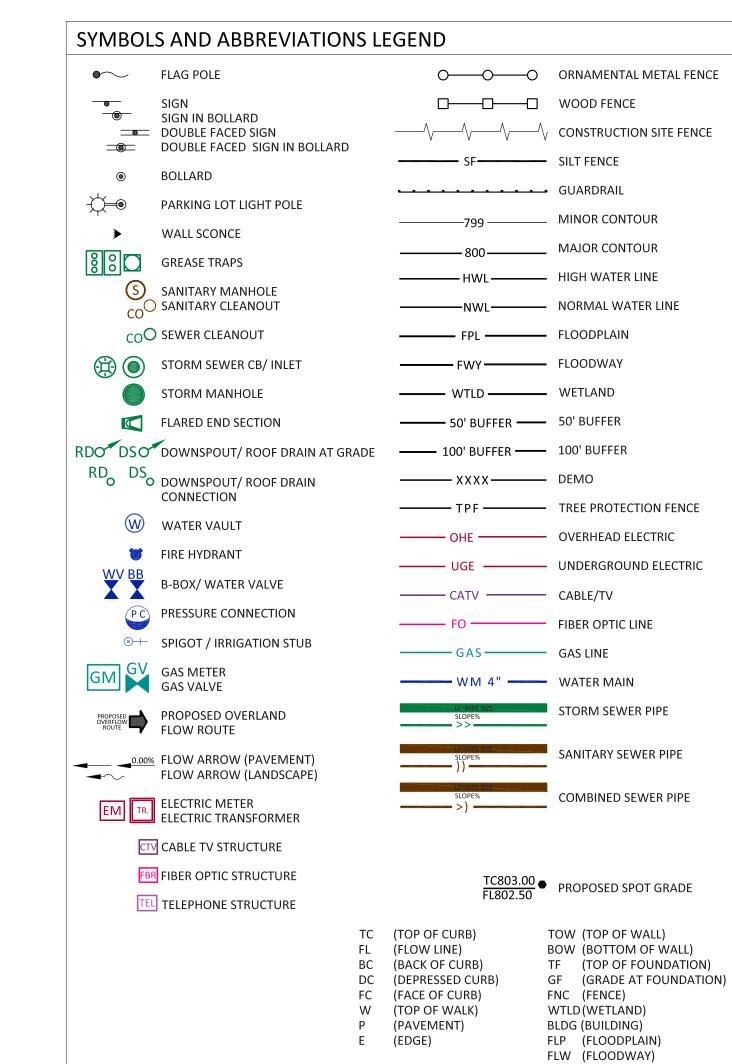
 13. ALL 6-INCH LATERALS MUST BE TIED INTO A MANHOLE. NO DIRECT CONNECTION OF A
- 6-INCH LATERAL INTO A SEWER MAIN IS ALLOWED.

 14. MINIMUM SLOPES FOR LATERALS ARE 4-INCH AT 2% AND 6-INCH AT 1%.
- ISD SHALL RECEIVE ONE SET OF MYLAR AS-BUILTS AND CD OF AS-BUILTS IN AUTOCAD FORMAT. ACTUAL LOCATIONS OF HOUSE LATERALS ARE TO BE SHOWN ON "AS-BUILTS" AS ARE ALL DEVIATIONS FROM CONSTRUCTION PRINT.
 EACH SEWER SERVICE LATERAL SHALL BE MARKED WITH A 2-INCH HIGH "S" INSCRIBED ON
- THE CURB DIRECTLY ABOVE THE SERVICE. LATERAL TO BE MARKED WITH A 2" X 4' STAKE PAINTED GREEN AND LEFT IN PLACE THROUGH THE FINAL YARD GRADE.

 17. MINIMUM VERTICAL CLEARANCE BETWEEN SEWER MAIN AND ALL OTHER UTILITY
- CROSSINGS SHALL BE ONE (1) FOOT. IF LESS THAN ONE (1) FOOT THEN A SIX (6) INCH CONCRETE CAP SHALL BE PLACED OVER THE SEWER PIPE AS DIRECTED IN THE FIELD BY THE ISD INSPECTOR.

 18. CONTRACTORS ARE REQUIRED TO FOLLOW ALL LOCAL, STATE, AND FEDERAL
 - CONSTRUCTION REGULATIONS. BEFORE ENTERING ISD'S CONFINED SPACES CONTRACTORS
 ARE REQUIRED TO PROVIDE ISD THE FOLLOWING:
 - CONTRACTORS CONFINED SPACE PROGRAM,
 CONFINED SPACE PERMIT FORM,
 PERSONNEL TRAINING RECORDS OF CONFINED SPACE SUPERVISOR, ATTENDANT,
- ENTRANT, AND RESCUE PERSON, AND
 RESPIRATOR FIT TEST RECORD OF RESCUE PERSON.

CONTRACTORS WILL NOT RELY ON LOCAL FIRE DEPARTMENT PERSONNEL TO PROVIDE CONFINED SPACE RESCUES.



MUNICIPAL/AGENCY APPROVAL STAMP



/ENDY'S - OAKLE 1082 E. MAIN STREET OAKLEY, CA

DESIGNED BY: KMP
REVIEWED BY: BP
DATE: 04/09/2021
PRJ#: 5325-300-32-01



OFFICE LOCATION:

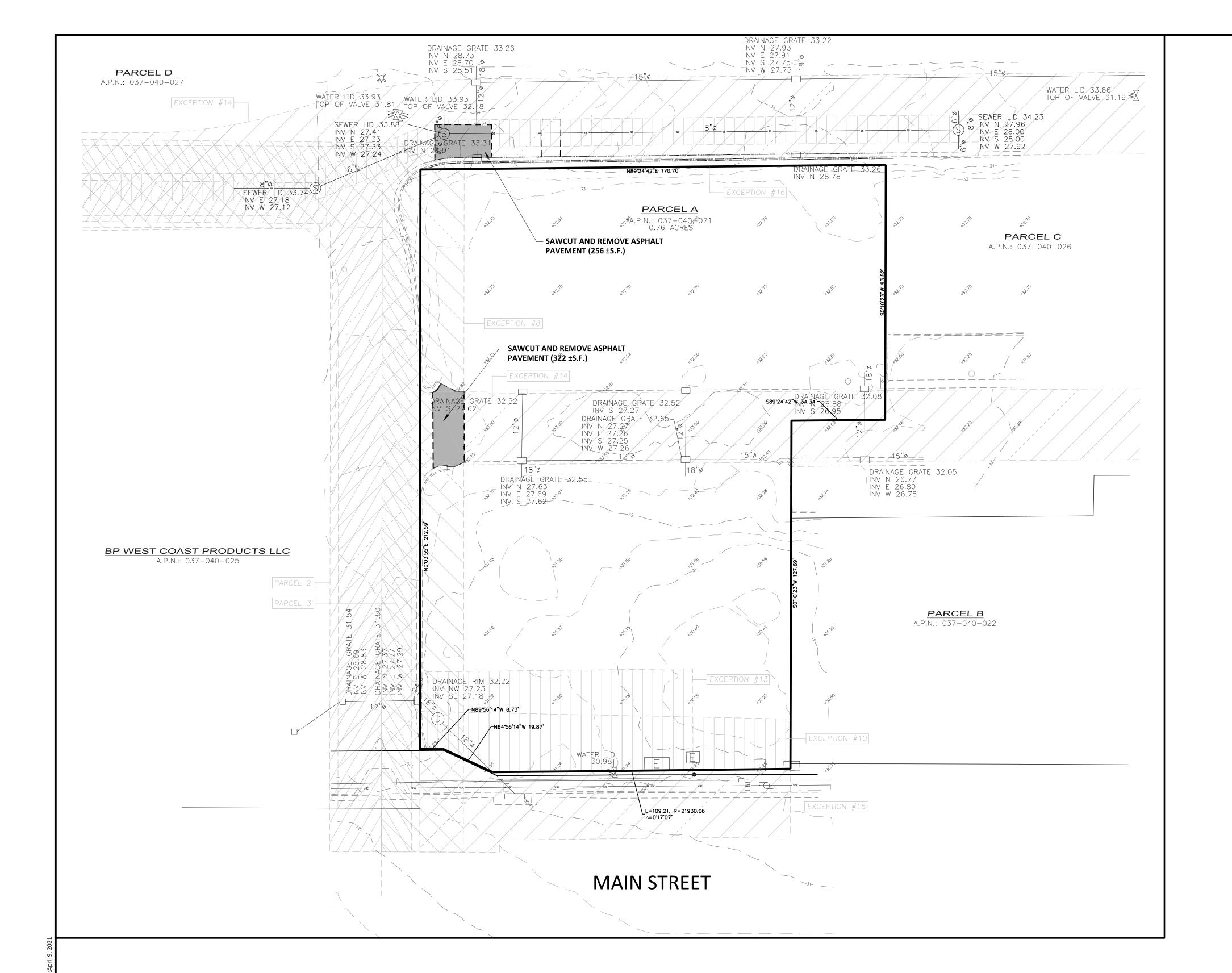
WEAVER CONSULTANTS GROUP
1316 BOND STREET, SUITE 108
NAPERVILLE, ILLINOIS 60563
(630) 717-4848

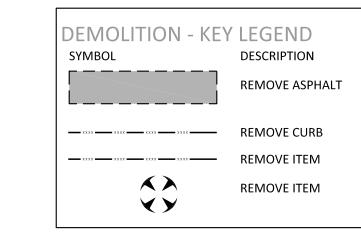
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EET #: **C-2**





SPECIFICATIONS - DEMOLITION

- 1. **PERMITS:** CONTRACTOR SHALL APPLY FOR AND OBTAIN ALL REQUIRED PERMITS PRIOR TO DEMOLITION.
- 2. EROSION CONTROL MEASURES: CONTRACTOR SHALL COMPLY WITH THE EROSION CONTROL PLAN INCLUDING, BUT NOT LIMITED TO, PERIMETER SILT FENCE AND INLET PROTECTION, PRIOR TO THE START OF DEMOLITION.
- 3. STRIPPING AND DEBRIS REMOVAL: THE BUILDING PAD SITES, AREAS TO BE PAVED, AND ALL AREAS THAT ARE TO RECEIVE FILL MATERIAL SHALL BE STRIPPED OF VEGETATION, TREES, ROOTS, STUMPS, DEBRIS, AND OTHER ORGANIC MATERIAL. STRIPPED TOPSOIL SHALL BE STOCKPILED IN A LOCATION ON-SITE APPROVED BY THE DEVELOPER IF IT HAS BEEN DETERMINED THAT IT CAN BE RE-USED ON THE SITE. ALL TREES INCLUDING STUMPS AND ROOT SYSTEMS, VEGETATION, DEBRIS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OFF-SITE. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS GOVERNING SPILLAGE OF DEBRIS WHILE TRANSPORTING TO A DISPOSAL SITE. ALL COSTS ASSOCIATED WITH DISPOSAL OF MATERIAL SHALL BE INCLUDED IN THE CONTRACT AMOUNT.
- 4. **BURNING:** BURNING SHALL NOT BE PERMITTED ON THE PROJECT SITE UNLESS APPROVED IN WRITING BY THE GOVERNING AUTHORITIES AND THE DEVELOPER.
- 5. **EXISTING UTILITIES:** ALL EXISTING UTILITIES ARE TO BE PROTECTED UNLESS OTHERWISE NOTED OR AGREED TO BY THE OWNER AND ENGINEER. ALL EXISTING UTILITIES THAT ARE NOTED TO BE REMOVED SHALL BE CAPPED AND REMOVED AS INDICATED AFTER EXISTING LINES ARE TAKEN OUT OF SERVICE AND UTILITY COMPANY APPROVALS ARE OBTAINED. EXISTING UTILITIES THAT ARE NOTED TO BE ABANDONED SHALL BE FILLED OR CRUSHED TO AVOID FUTURE PIPE FAILURE.
- 6. **RE-USE OF EXISTING MATERIALS:** CONTRACTOR SHALL RE-USE EXISTING MATERIALS ON THE SITE FOR BACKFILL AND/OR SUB-GRADE ONLY IF APPROVAL IS OBTAINED IN WRITING FROM THE OWNER, ENGINEER AND GEOTECHNICAL ENGINEER. DURING BIDDING, CONTRACTOR SHALL NOT ASSUME THAT MATERIALS CAN BE RE-USED ON-SITE.
- 7. PLUGGING EXISTING SANITARY SEWERS: CONTRACTOR SHALL PLUG DOWNSTREAM END OF EXISTING SANITARY SEWER PRIOR TO DEMOLITION TO PREVENT STORMWATER AND DEBRIS FROM ENTERING THE SEWER.
- 8. DRAINAGE: POSITIVE DRAINAGE SHALL BE MAINTAINED THROUGHOUT DEMOLITION. CONTRACTOR SHALL PLAN DEMOLITION IN STAGES TO PREVENT EXCESS PONDING OR BLOCKAGE OF DRAINAGE. ALL STORM SEWER OR FIELD TILES DAMAGED DURING DEMOLITION SHALL BE REPAIRED AND/OR RECONNECTED BEFORE THE END OF THE WORKDAY.
- 9. REMOVAL OF BELOW GRADE IMPROVEMENTS: ANY BUILDINGS, FOUNDATIONS, WALLS, FOOTINGS, CONCRETE, ETC. THAT ARE SHOWN TO BE REMOVED SHALL BE REMOVED TO THE FULL DEPTH UNLESS APPROVED BY THE OWNER AND ENGINEER.
- 10. TREE PROTECTION: CONTRACTOR SHALL FOLLOW THE TREE PROTECTION PLAN IF IT HAS BEEN PROVIDED AS A PART OF THIS CONSTRUCTION SET. ANY TREES REMOVED THAT WERE INDICATED TO BE PROTECTED SHALL BE REPLACED BY THE CONTRACTOR AND FINED ACCORDINGLY.





Ø COND

KMP

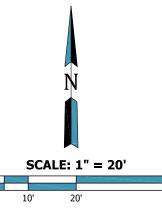
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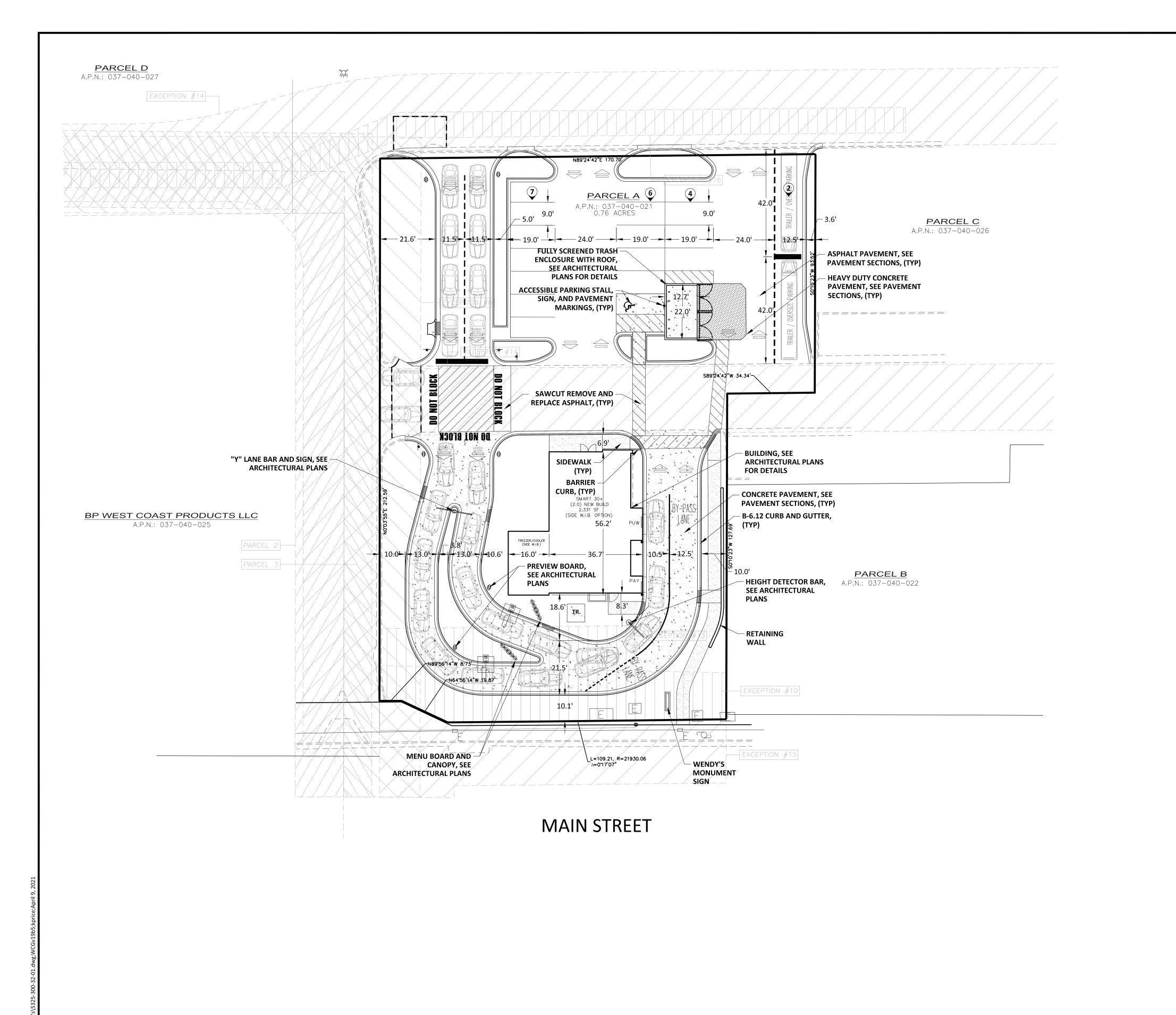


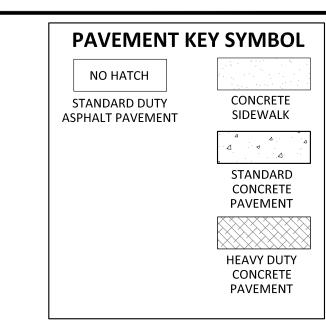
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SCALE: 1" = 20'







SITE DATA:

SITE AREA = 33,186

BUILDING AREA 2,331 S.F.

PROPOSED PARKING STALLS = 19 INCLUDES ADA STALLS REQUIRED PARKING STALLS 10 1 PER 3 SEATS 30/3

PROPOSED BIKE PARKING = 2

____= SITE NOTES:

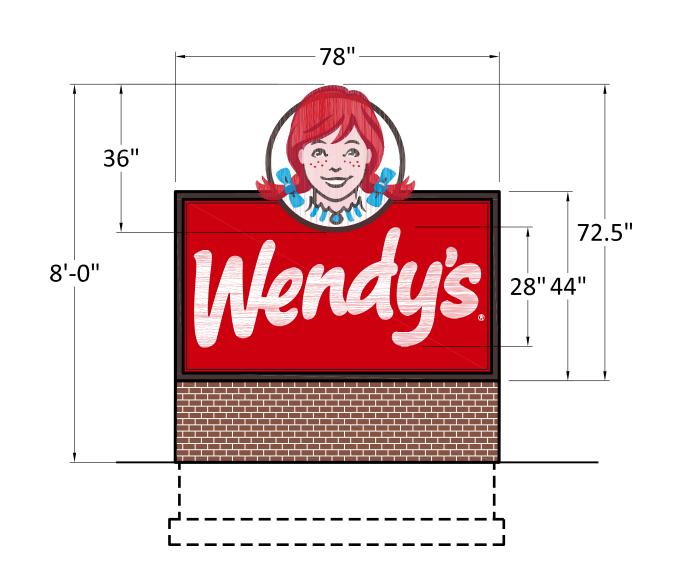
1. THE BASELINE FOR GEOMETRIC LAYOUT IS THE WESTERN PROPERTY LINE.

. ALL DIMENSIONS ARE TO THE BACK OF CURB, OUTSIDE FACE OF

BUILDING, AND EDGE OF PAVEMENT UNLESS OTHERWISE NOTED. . ALL PARKING LOT STRIPING SHALL BE 4" WIDE YELLOW PAINT

UNLESS OTHERWISE NOTED ON THE PLANS. . ALL ITEMS NOTED ON PLANS REFER TO A PROPOSED CONDITION OR ITEM UNLESS OTHERWISE NOTED ON PLANS OR IDENTIFIED

ON THE SURVEY.



WENDY'S MONUMENT SIGN (WM-25)

NOT TO SCALE

PLAN NDY'S - (1082 E. MAIN §

KMP DESIGNED BY: REVIEWED BY: 04/09/2021 PRJ#: 5325-300-32-01

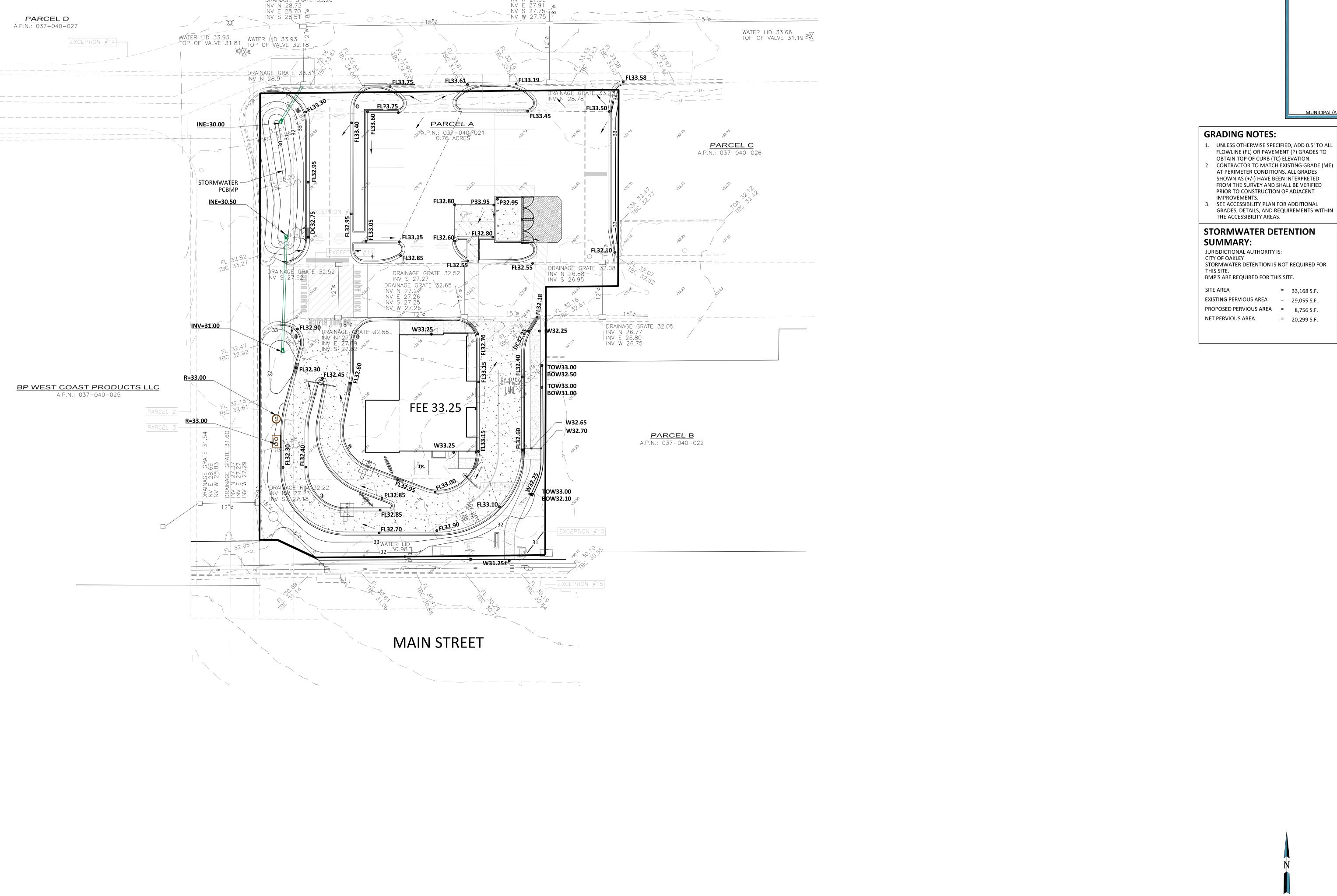
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C-4



- FLOWLINE (FL) OR PAVEMENT (P) GRADES TO
- AT PERIMETER CONDITIONS. ALL GRADES SHOWN AS (+/-) HAVE BEEN INTERPRETED FROM THE SURVEY AND SHALL BE VERIFIED PRIOR TO CONSTRUCTION OF ADJACENT
- GRADES, DETAILS, AND REQUIREMENTS WITHIN

STORMWATER DETENTION IS NOT REQUIRED FOR

EXISTING PERVIOUS AREA = 29,055 S.F. PROPOSED PERVIOUS AREA = 8,756 S.F. 

WATER

WENDY'S - (1082 E. MAIN S GRADING

> KMP DESIGNED BY:

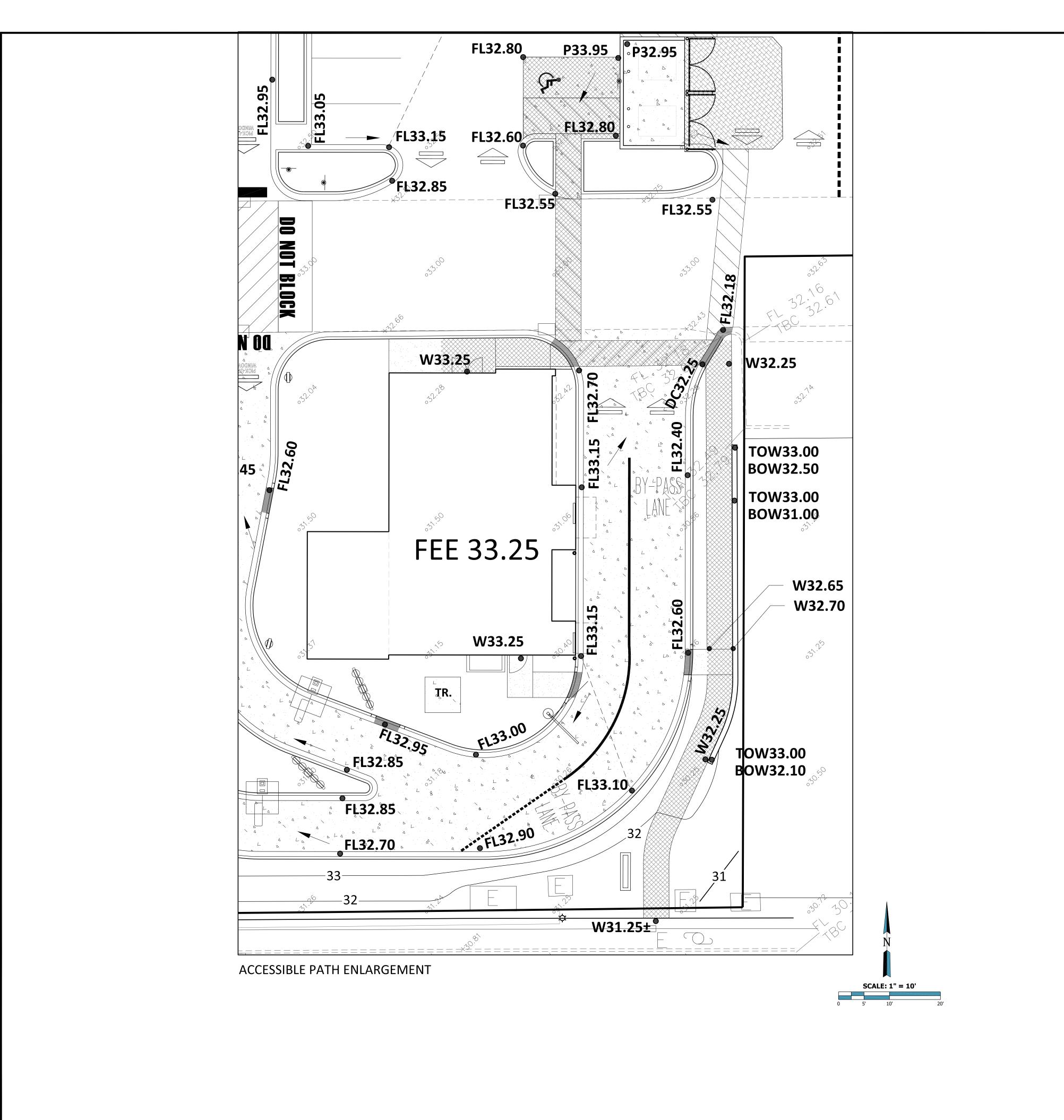
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SCALE: 1" = 20'



ACCESSIBLE PATH - KEY

ACCESSIBLE ROUTE TO THE PUBLIC WAY AND ACCESSIBLE PARKING STALLS

MUNICIPAL/AGENCY APPROVAL STAMP

ACCESSIBILITY NOTES:

THIS PLAN HAS BEEN INCLUDED FOR SPECIFIC GRADING WITHIN THE ACCESSIBILITY AREAS. SEE GRADING AND STORMWATER PLAN FOR ADDITIONAL GRADES THROUGHOUT THE SITE.





WENDY'S - OAKLEY
1082 E. MAIN STREET
OAKLEY, CA

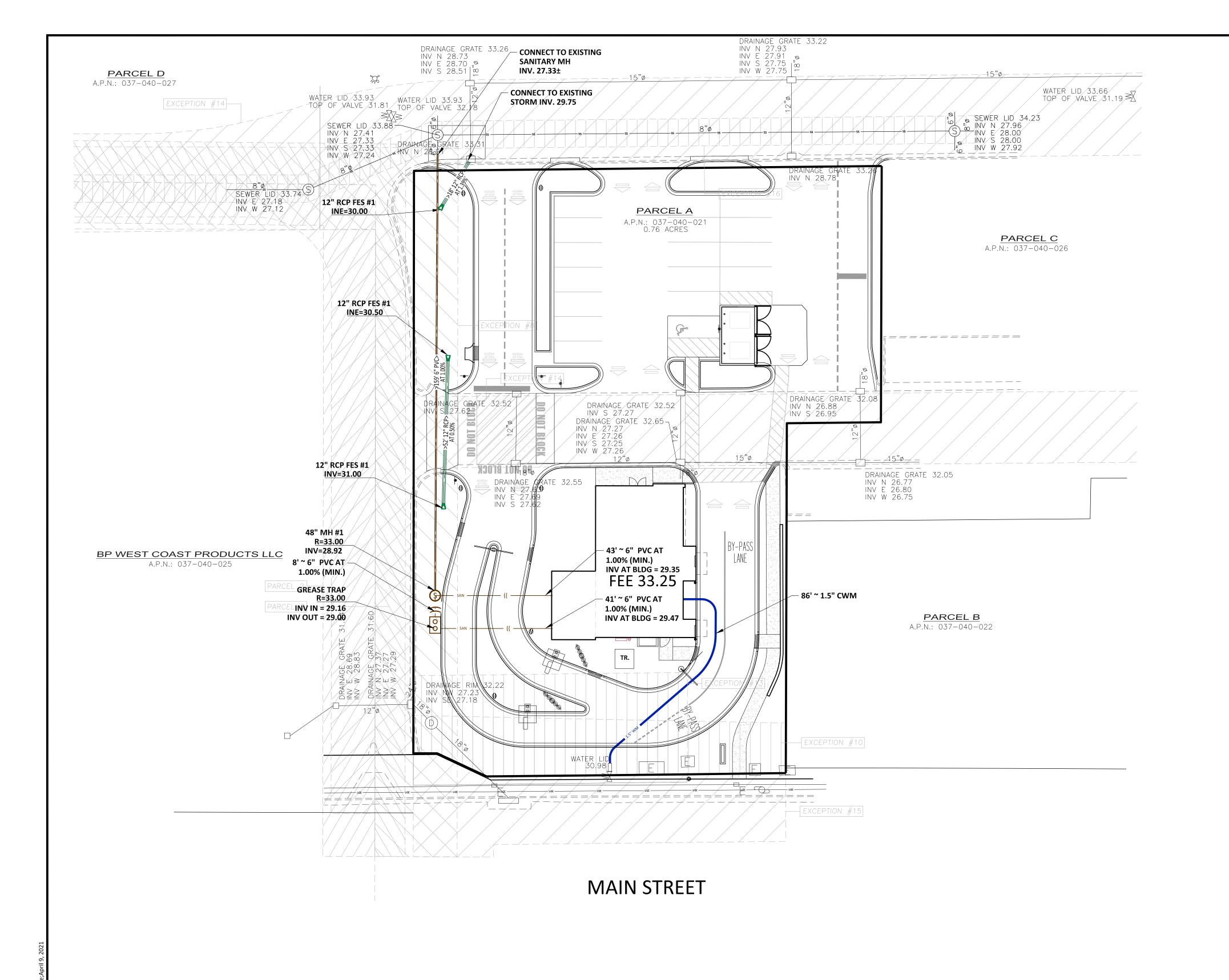
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UTILITY NOTES:

1. CONTRACTOR TO VERIFY WITH ARCHITECTURAL PLANS THAT THE UTILITIES AS THEY EXIT THE BUILDING ARE IN THE SAME LOCATION AS SHOWN ON THIS PLAN. NOTIFY THE DESIGN ENGINEER IF THERE ARE ANY DISCREPANCIES.

 GAS, TELEPHONE, AND ELECTRIC LOCATIONS SHALL BE COORDINATED WITH THE UTILITY COMPANIES PRIOR TO INSTALLATION. LINES SHOWN ON THIS PLAN ARE FOR BUDGETING AND GUIDANCE ONLY.

UTILITY LEGEND:

1. RCP = REINFORCED CONCRETE PIPE

- CLASS IV, ASTM C-76 PIPE, ASTM C-443 JOINTS

 2. RCPWM = REINFORCED CONCRETE PIPE

 CLASS IV, ASTM C-76 PIPE, ASTM C-264 JOINTS
- CLASS IV, ASTM C-76 PIPE, ASTM C-361 JOINTS

 3. PVC = POLYVINYL CHLORIDE PIPE
- SDR26, ASTM D-3034 PIPE, ASTM D-3212 JOINTS

 4. PVCWM = POLYVINYL CHLORIDE PIPE
- AWWA C900, OR AWWA C905 OR ASTM D-2241 PIPE, ASTM D-3139 JOINTS 5. DIP = DUCTILE IRON PIPE
- CLASS 52, CEMENT LINED, ANSI A21.51 PIPE, ANSI A21.11 JOINTS
- **6. HDPE** = HIGH DENSITY POLYETHYLENE PIPE AASHTO M-294 (12"-60") AASHTO M-252 (3"-10")
- 7. **CWM** = TYPE "K" COPPER WATERMAIN
- ASTM B-88 AND ASTM B-251 WITH SWEATED

8. ESVCP = EXTRA STRENGTH VITRIFIED CLAY PIPE ASTM C-700 PIPE, ASTM C-425 JOINTS.

OAKLEY ISTREET CA

ENDY'S - OAI
1082 E. MAIN STREET
OAKLEY, CA

REVISION DESCRIPTION BY

NO.

DESIGNED BY: KMP

REVIEWED BY: BP

DATE: 04/09/2021

PRJ#: 5325-300-32-01

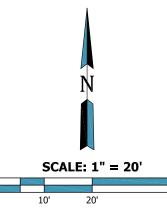
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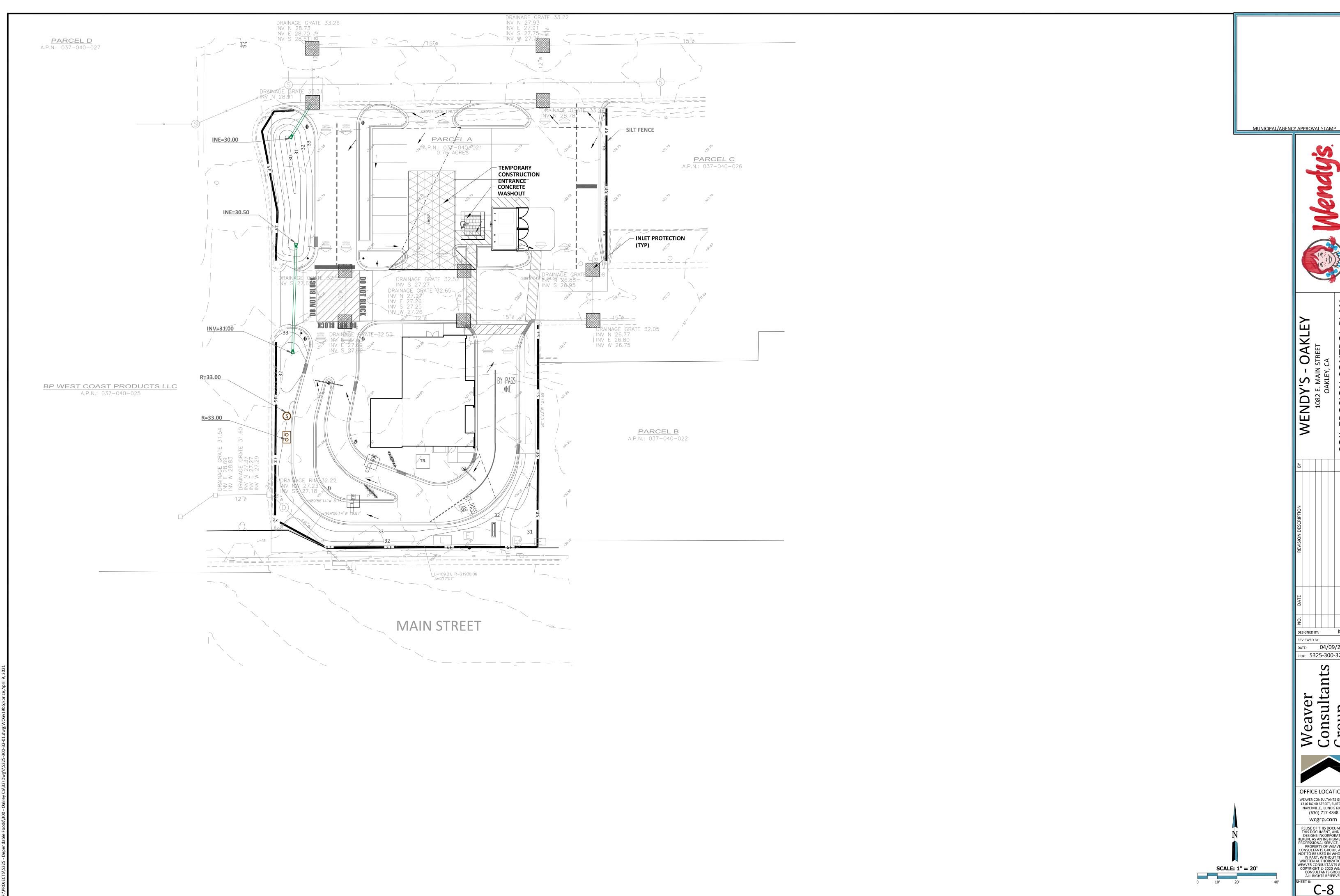




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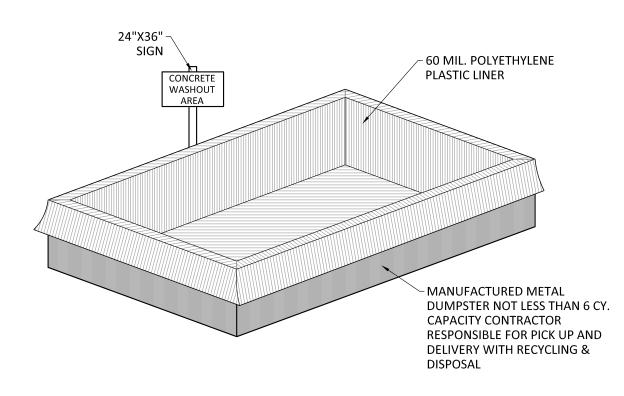
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KMP DESIGNED BY: REVIEWED BY: DATE: 04/09/2021

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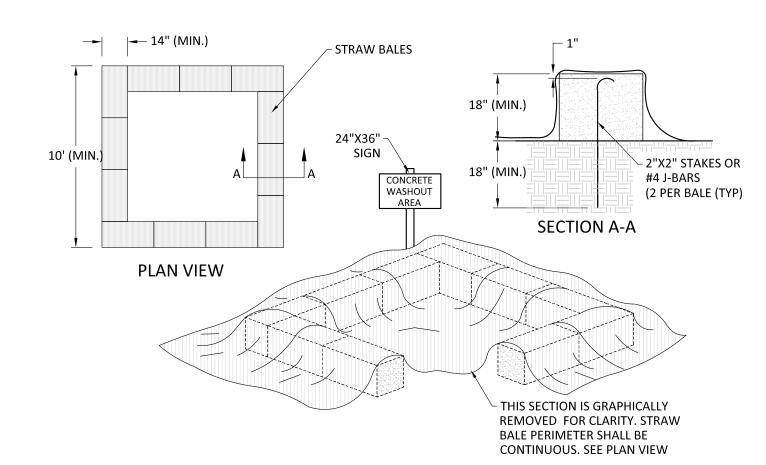
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1. FACE SIGN TOWARD NEAREST STREET OR ACCESS POINT. 2. CONCRETE WASHOUT SHALL BE LOCATED BEHIND THE CURB AND 50' (MIN.) FROM NEAREST DRAINAGE INLET OR WATER COURSE.

CONCRETE WASHOUT IN DUMPSTER - OPTION

NOT TO SCALE



1. FACE SIGN TOWARD NEAREST STREET OR ACCESS POINT. 2. CONCRETE WASHOUT SHALL BE LOCATED BEHIND THE CURB AND 50' (MIN.) FROM NEAREST DRAINAGE INLET OR WATER COURSE.

CONCRETE WASHOUT

NOT TO SCALE

DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
TEMPORARY SEEDING				21ST					30TH			
OAT COVER CROP (90 LBS/AC.) (NOTE 2)				1ST -			4TH					
WHEAT COVER CROP (90 LBS/ AC.) (NOTE 2)				1ST -					30TH			
ANNUAL RYE COVER CROP (90 LBS. AC.) (NOTE 2)				1ST -					30TH			

NOTE 1: CONTRACTOR TO COORDINATE WITH GROWER/ SUPPLIER TO ENSURE AVAILABILITY. NOTE 2: COVER CROPS AS SHOWN MAY BE SUPERCEDED IN NATIVE SEED AREAS. SEE SPECIFICATION FOR NATIVE AREAS FOR SPECIFIC APPLICATIONS.

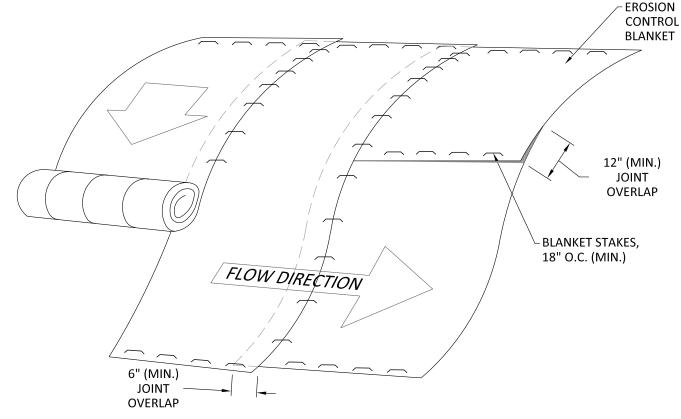
CONSTRUCTION SEQUENCE

- MOBILIZE TO THE SITE.
- INSTALL SOIL EROSION CONTROL MEASURES. 3. CONSTRUCT A TEMPORARY CONSTRUCTION ENTRANCE/
- 4. TOPSOIL STRIPPING AND STOCKPILING. PROVIDE TEMPORARY SEEDING ON STOCKPILES AND ALL OTHER AREAS OF THE SITE THAT WILL REMAIN UNDISTURBED FOR 30 DAYS OR MORE. REFER TO LANDSCAPE PLAN FOR
- SEEDING. 5. MASS GRADING OF DISTURBED SITE.
- 6. INSTALLATION OF BUILDING FOUNDATIONS. INSTALLATION OF ALL UNDERGROUND UTILITIES.
- 10. INSTALLATION OF PARKING LOT BASE COURSE
- 8. INSPECT SOIL EROSION CONTROL MEASURES AND MAINTAIN OR REPLACE AS NECESSARY. 9. INSTALLATION OF PARKING LOT SUB-BASE MATERIAL.
- MATERIALS.
- 11. INSTALLATION OF PERMANENT SOIL STABILIZATION MEASURES AND RE-SPREAD TOPSOIL.
- 12. INSTALLATION OF PARKING LOT SURFACE COURSE MATERIALS. 13. INSTALLATION OF LANDSCAPE.
- 14. REMOVE TEMPORARY SOIL EROSION CONTROL
- AND THE ESTABLISHMENT OF ADEQUATE VEGETATIVE COVER. 15. ALL STORM SEWERS, CATCH BASINS, PAVEMENT

MEASURES AFTER FINAL SOIL STABILIZATION MEASURES

- SURFACES AND/ OR DETENTION FACILITIES ARE TO BE CLEANED PRIOR TO FINAL INSPECTION. 16. ALL MAINTENANCE OF THE EROSION CONTROL
- MEASURES ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- 1. CONTRACTOR IS RESPONSIBLE TO VERIFY AND ADJUST THE SEQUENCE OF OPERATION IF NECESSARY. 2. SEE LANDSCAPE PLAN FOR PLANTING DETAILS, SOIL PREPARATION, AMENDMENTS, PLANT LISTS, LANDSCAPE
- 3. TEMPORARY SEED SHALL CONFORM TO THE "INDIANA HANDBOOK FOR EROSION CONTROL IN DEVELOPING AREAS" FOR ALL AREAS TO BE DISTURBED AREAS LESS THAN A YEAR OR BARREN AREAS THAT NEED TO BE
- 4. CONTRACTOR TO UTILIZE MULCH FOR SEED PROTECTION, SOIL PROTECTION, DUST CONTROL, OR STABILIZATION AS NEEDED AND FOR WHEN SEEDING CANNOT BE PERFORMED.

TEMPORARY SEEDING TABLE AND CONSTRUCTION SEQUENCE



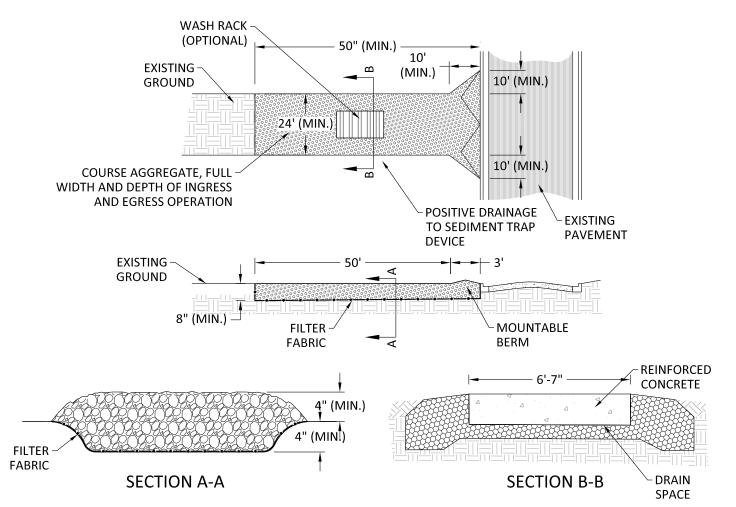
- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED. 2. BEGIN AT THE TOP OF THE SLOPE (OR CHANNEL) BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE
- TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. 3. ROLL THE BLANKETS DOWN (STARTING AT DOWNSTREAM PROCEEDING UPSTREAM) HORIZONTALLY ACROSS
- 4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH AN APPROXIMATELY (MIN) 4" OVERLAP.
- 5. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY A (MIN) 6" OVERLAP. USE A DOUBLE ROW OF STAGGERED STAPLES 4" APART TO

6. IN HIGH FLOW CHANNEL APPLICATIONS, A STAPLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT

- INTERVALS. USE A ROW OF STAPLES 4" APART OVER ENTIRE WIDTH OF THE CHANNEL. PLACE A SECOND ROW 4" BELOW THE FIRST ROW IN A STAGGERED PATTERN.
- 7. THE TERMINAL END OF THE BLANKETS MUST BE ANCHORED IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

EROSION CONTROL BLANKET

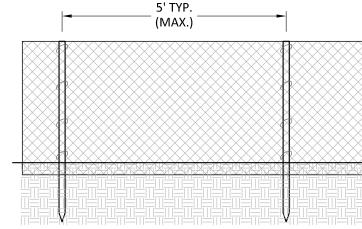
NOT TO SCALE

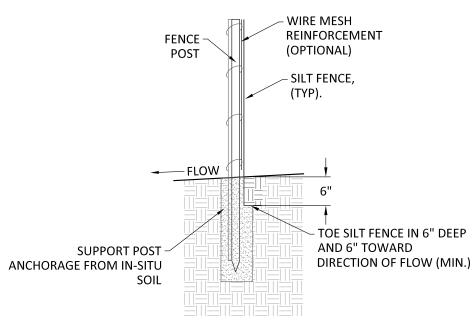


- 1. FILTER FABRIC SHALL MEET ASTM 592 GEOTEXTILE. TABLE 1 OR 2 FOR CLASS I, II, OR IV. AND SHALL BE PLACED
- OVER THE CLEARED AREA PRIOR TO PLACING STONE. 2. RECLAIMED CONCRETE OR COURSE AGGREGATE SHALL MEET EITHER IDOT GRADATION CA-1, CA-2, CA-3, OR CA-4 AND BE PLACED ACCORDING TO CONSTRUCTION SPECIFICATION 25 ROCKFILL USING PLACEMENT METHOD I OR CLASS III COMPACTION.
- 3. ANY DRAINAGE FACILITIES REQUIRED BECAUSE OF WASHING SHALL CONSTRUCTED ACCORDING TO
- MANUFACTURER'S SPECIFICATIONS. 4. IF WASH RACKS ARE USED, THEY SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S

TEMPORARY CONSTRUCTION ENTRANCE

NOT TO SCALE

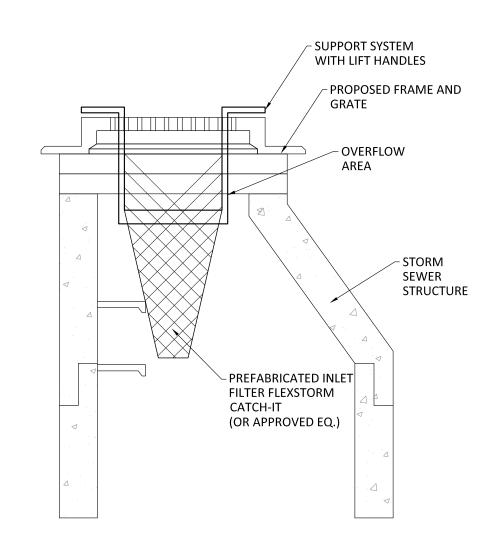




- 1. FILTER FABRIC SHALL MEET GEOTEXTILE 592 TABLE 1 OR 2, CLASS 1 WITH EQUIVLENT OPENING SIZE OF AT LEAST 30 FOR NONWOVEN AND 40 FOR WOVEN.
- 2. FENCE POSTS SHALL BE EITHER STANDARD STEEL POST OR WOOD POSTS WITH A MINIMUM CROSS SECTION AREA OF 3 SQ. IN.

SILT FENCE

NOT TO SCALE



INLET FILTER PROTECTION - BASKET

NOT TO SCALE

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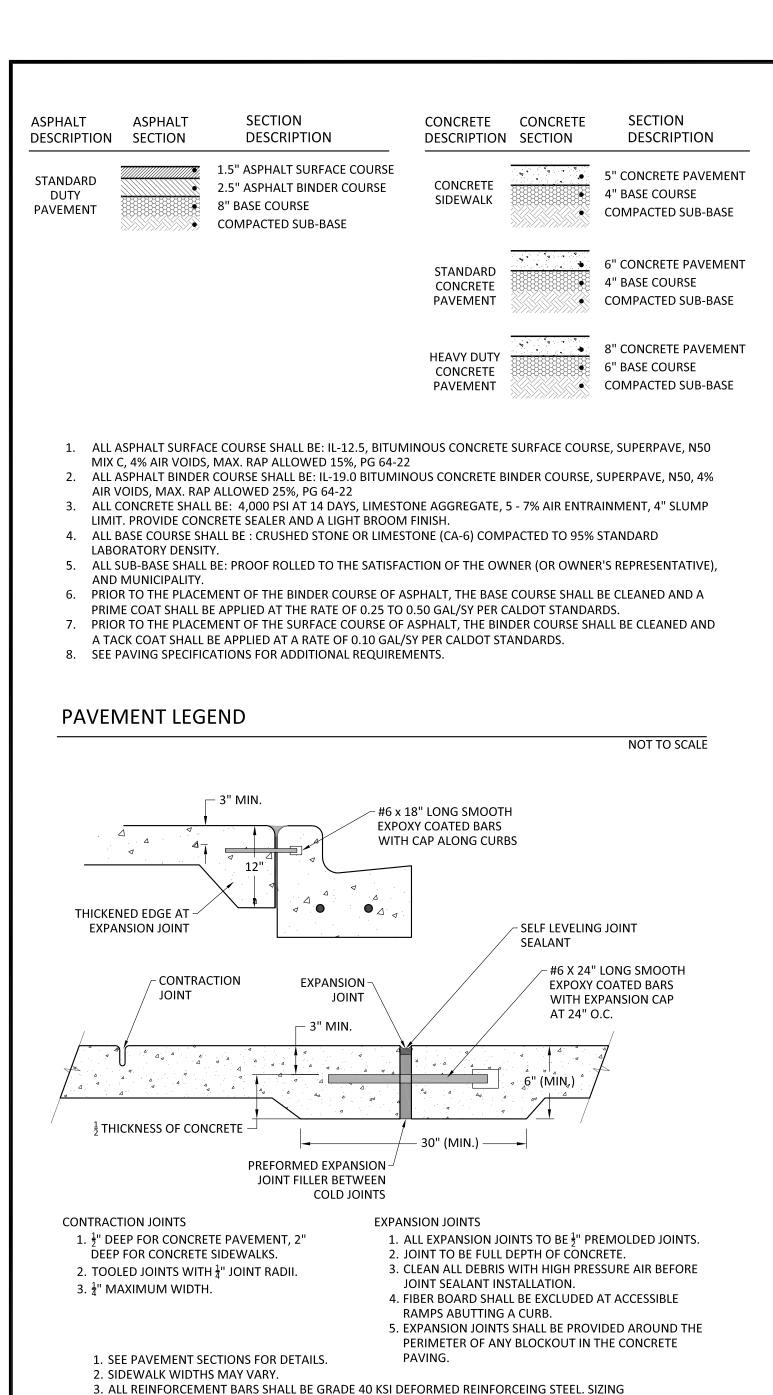
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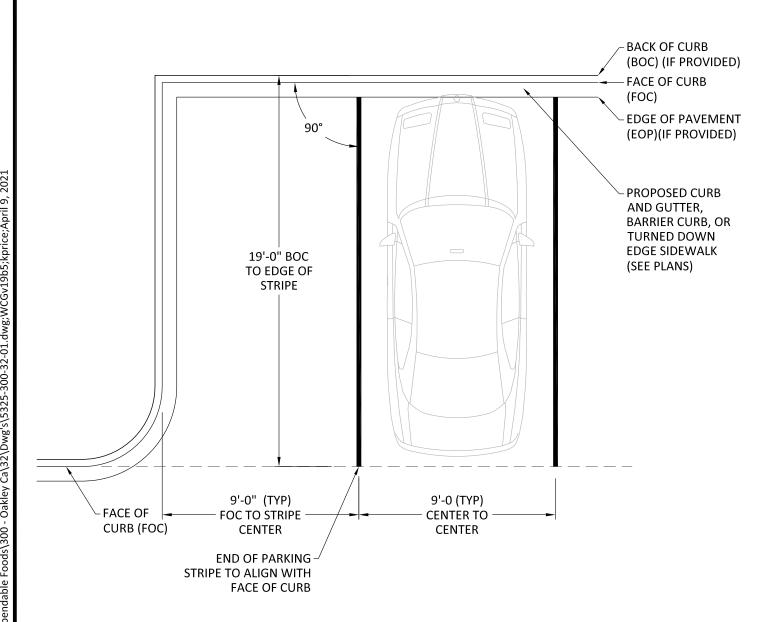
1. SEE PLANS FOR LOCATIONS.

AND SPACING SHALL BE IN ACCORDANCE WITH STATE DOT SPECIFICATIONS.

CONCRETE JOINTS

NOT TO SCALE

NOT TO SCALE



1. ALL STRIPING SHALL BE DOUBLE COATED YELLOW PAVEMENT PAINT

PARKING STALL STRIPING - 90 DEGREE

PROPOSED CURB ALONG EXISTING ASPHALT PAVEMENT, - GRIND EXISTING SURFACE SEE DETAIL COURSE 1 ½" DEPTH TO PROVIDE **CONTINUOUS 3' WIDE SURFACE** |**→** 3' MIN. → COURSE TO CURB - EXISTING ASPHALT PAVEMENT SOIL BACKFILL - COMPACTED BASE COURSE, SEE PAVEMENT LEGEND NOTES

1. SEE PLANS FOR LOCATIONS.

CALIFORNIA FINISH CONCRETE

– EQ 🗕 🗕 EQ -

∣MAX.

1. SIGNS SHALL BE VERTICALLY MOUNTED ON A POST OR WALL AT FRONT CENTER OF THE

2. ACCESSIBLE PARKING STALLS SLOPES NOT TO EXCEED 2.00% IN ANY DIRECTION.

ACCESSIBLE PARKING STALL - 90 DEG 8' x 8'

PARKING SPACE, NO MORE THAN 6 FEET HORIZONTALLY FROM THE FRONT OF THE PARKING

ACCESSIBLE PARKING SIGN, -

CENTERED ON ACCESSIBLE

SEE PLANS

FACE OF -

CURB

EDGE OF -

PAVEMENT

SEE DETAIL, SHALL BE

PROPOSED ASPHALT PATCH ADJACENT TO PROPOSED CURB

- LIGHT BROOM FINISH PERPENDICULAR TO THE

DIRECTION OF PATH

3" TOWELED SMOOTH

BORDER

NOT TO SCALE

NOT TO SCALE

NOT TO SCALE

- 4" DOUBLE COATED

YELLOW PAVEMENT

PAINT AT 45 DEGREES

– 24" O.C. (TYP)

- DIRECTION OF

PATH (TYP)

EXPANSION -- UNLESS OTHERWISE NOTED ON THE ~ ASPHALT OR CONCRETE PAVEMENT, SEE PLANS AND PAVEMENT LEGEND FOR DETAILS EXPANSION JOINT IF 4" COMPACTED BASE -ADJACENT TO CONCRETE COURSE, SEE PAVEMENT (JOINT TO BE FULL DEPTH) **LEGEND NOTES** UNDISTURBED SUB-GRADE ─ DUAL (2) #4 REBAR AT EXPANSION JOINT, SEE DETAIL 4" COMPACTED BASE COURSE, SEE PAVEMENT LEGEND NOTES

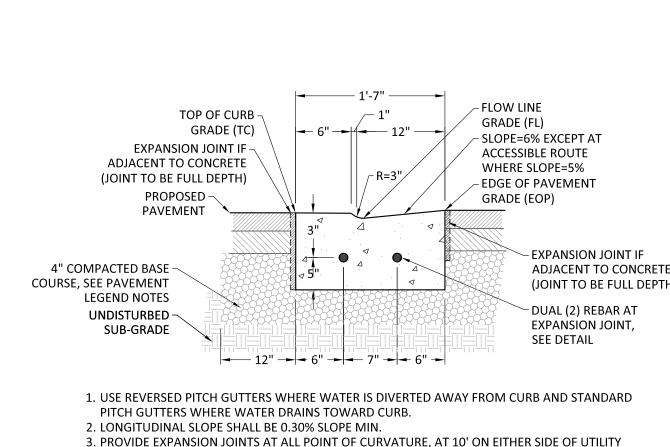
TOP OF CURB -

GRADE (TC)

1. SEE PLANS FOR LOCATIONS.

BARRIER CURB AT PAVEMENT

NOT TO SCALE



1. USE REVERSED PITCH GUTTERS WHERE WATER IS DIVERTED AWAY FROM CURB AND STANDARD

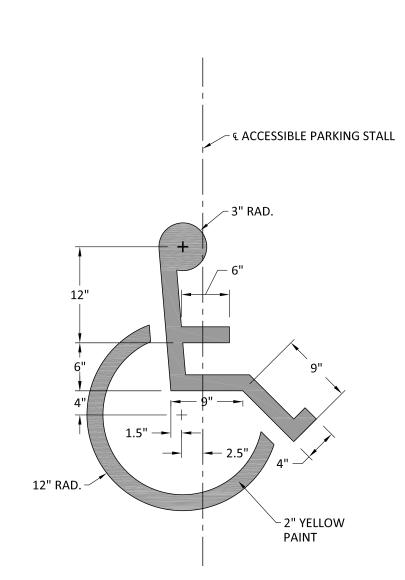
3. PROVIDE EXPANSION JOINTS AT ALL POINT OF CURVATURE, AT 10' ON EITHER SIDE OF UTILITY

TRENCHES OR STRUCTURES AND AT A DISTANCE NOT TO EXCEED 50'. 4. PROVIDE HAND TOOLED CONTRACTION JOINTS IN BETWEEN EXPANSION JOINTS AT DISTANCES NOT TO EXCEED 20'.

5. PROVIDE LIGHT BROOM FINISH IN DIRECTION OF FLOW. 6. FIBER BOARD SHALL BE EXCLUDED AT ACCESSIBLE RAMPS

COMBINATION CONCRETE CURB AND GUTTER - DEPRESSED

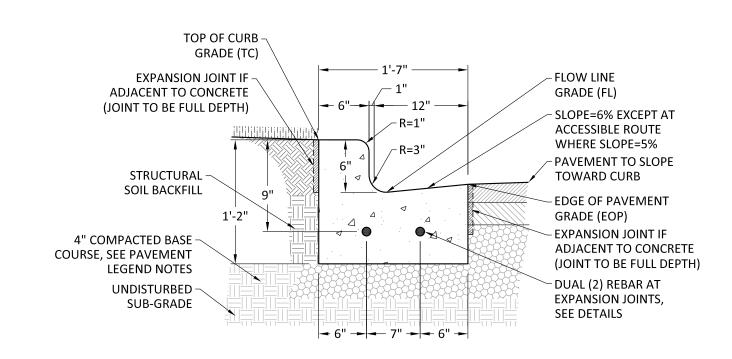
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1. SEE PLAN FOR QUANTITIES AND LOCATIONS. 2. BOTTOM OF SYMBOL SHALL ALIGN WITH END OF STALL.

ACCESSIBLE PARKING STALL PAVEMENT SYMBOL

NOT TO SCALE



1. USE STNDARD PITCH GUTTERS WHERE WATER IS DIVERTED TOWARD CURB.

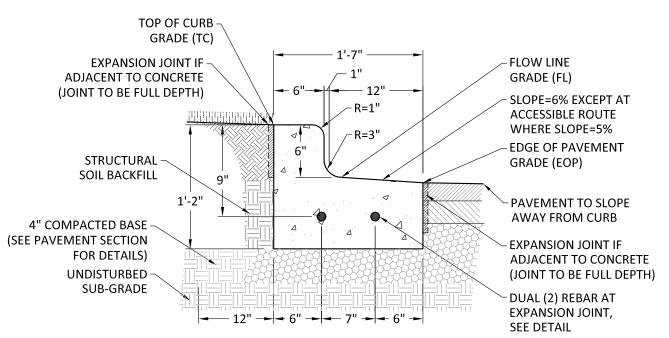
2. LONGITUDINAL SLOPE SHALL BE 0.50% MIN.

3. PROVIDE EXPANSION JOINTS AT ALL POINT OF CURVATURE, AT 10' ON EITHER SIDE OF UTILITY TRENCHES OR STRUCTURES AND AT A DISTANCE NOT TO EXCEED 50'

4. PROVIDE HAND TOOLED CONTRACTION JOINTS IN BETWEEN EXPANSION JOINTS AT DISTANCES NOT TO

5. PROVIDE LIGHT BROOM FINISH IN DIRECTION OF FLOW.

COMBINATION CONCRETE CURB AND GUTTER - STANDARD PITCH



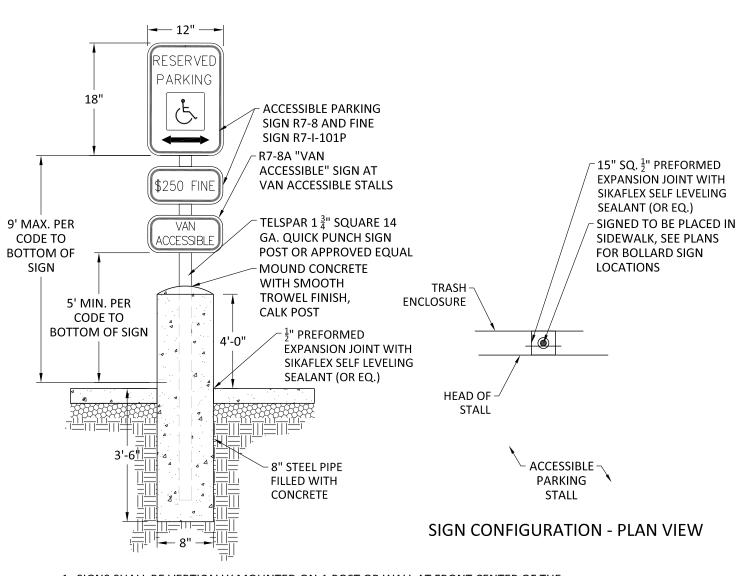
1. USE REVERSED PITCH GUTTERS WHERE WATER IS DIVERTED AWAY FROM CURB.

2. PROVIDE EXPANSION JOINTS AT ALL POINT OF CURVATURE, AT 10' ON EITHER SIDE OF UTILITY TRENCHES OR STRUCTURES AND AT A DISTANCE NOT TO EXCEED 50'

3. PROVIDE HAND TOOLED CONTRACTION JOINTS IN BETWEEN EXPANSION JOINTS AT DISTANCES NOT

4. PROVIDE LIGHT BROOM FINISH IN DIRECTION OF FLOW.

COMBINATION CONCRETE CURB AND GUTTER - REVERSE PITCH



1. SIGNS SHALL BE VERTICALLY MOUNTED ON A POST OR WALL AT FRONT CENTER OF THE PARKING SPACE, NO MORE THAN 6 FEET HORIZONTALLY FROM THE FRONT OF THE PARKING

2. FOR EVERY 6 ACCESSIBLE STALLS (OR FRACTION THEREOF) AT LEAST ONE STALL SHALL BE VAN ACCESSIBLE INCLUDING THE "VAN ACCESSIBLE" SIGN.

ACCESSIBLE PARKING SIGN AT STALL IN SIDEWALK

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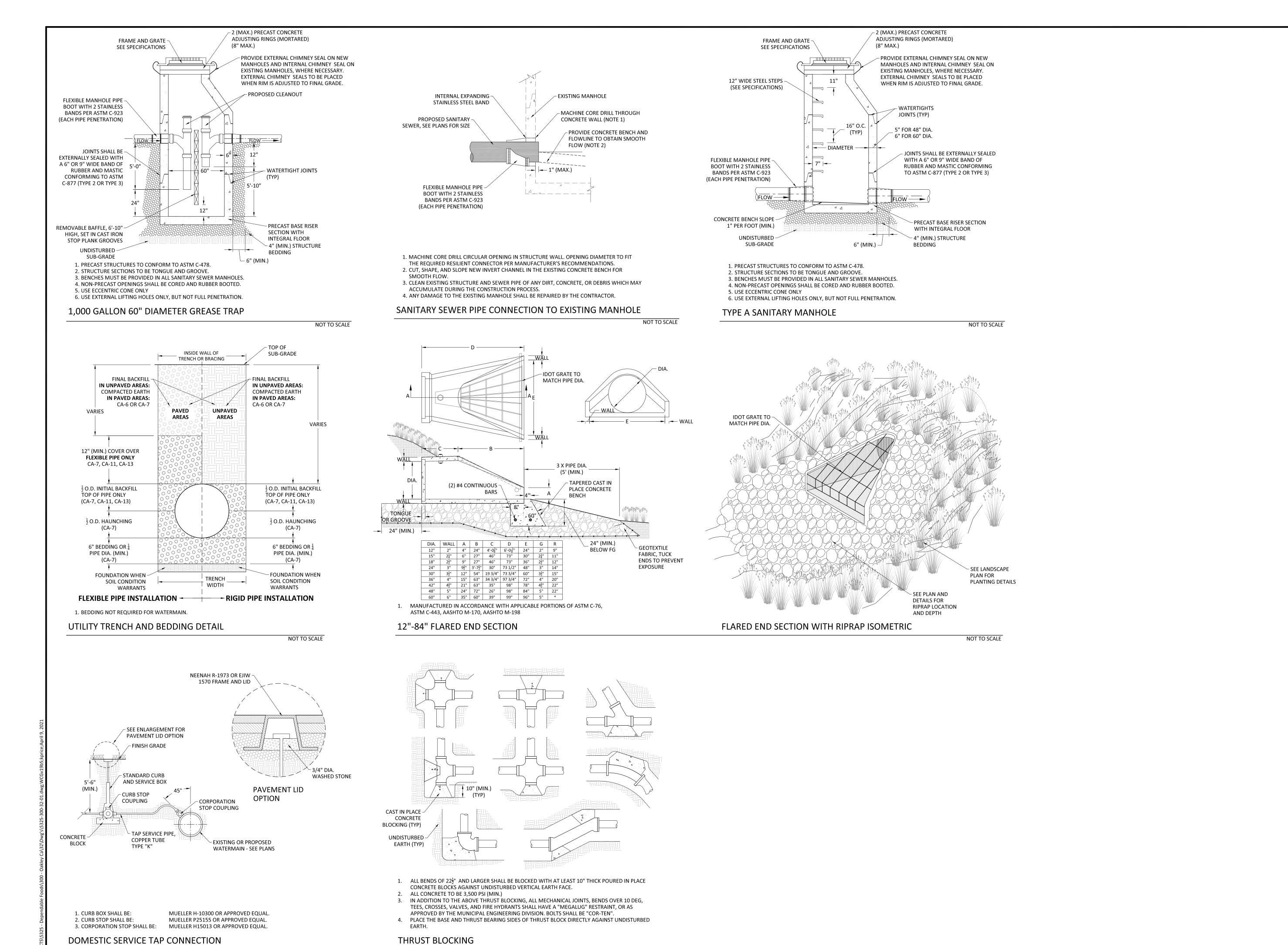
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NDY (JOINT TO BE FULL DEPTH)



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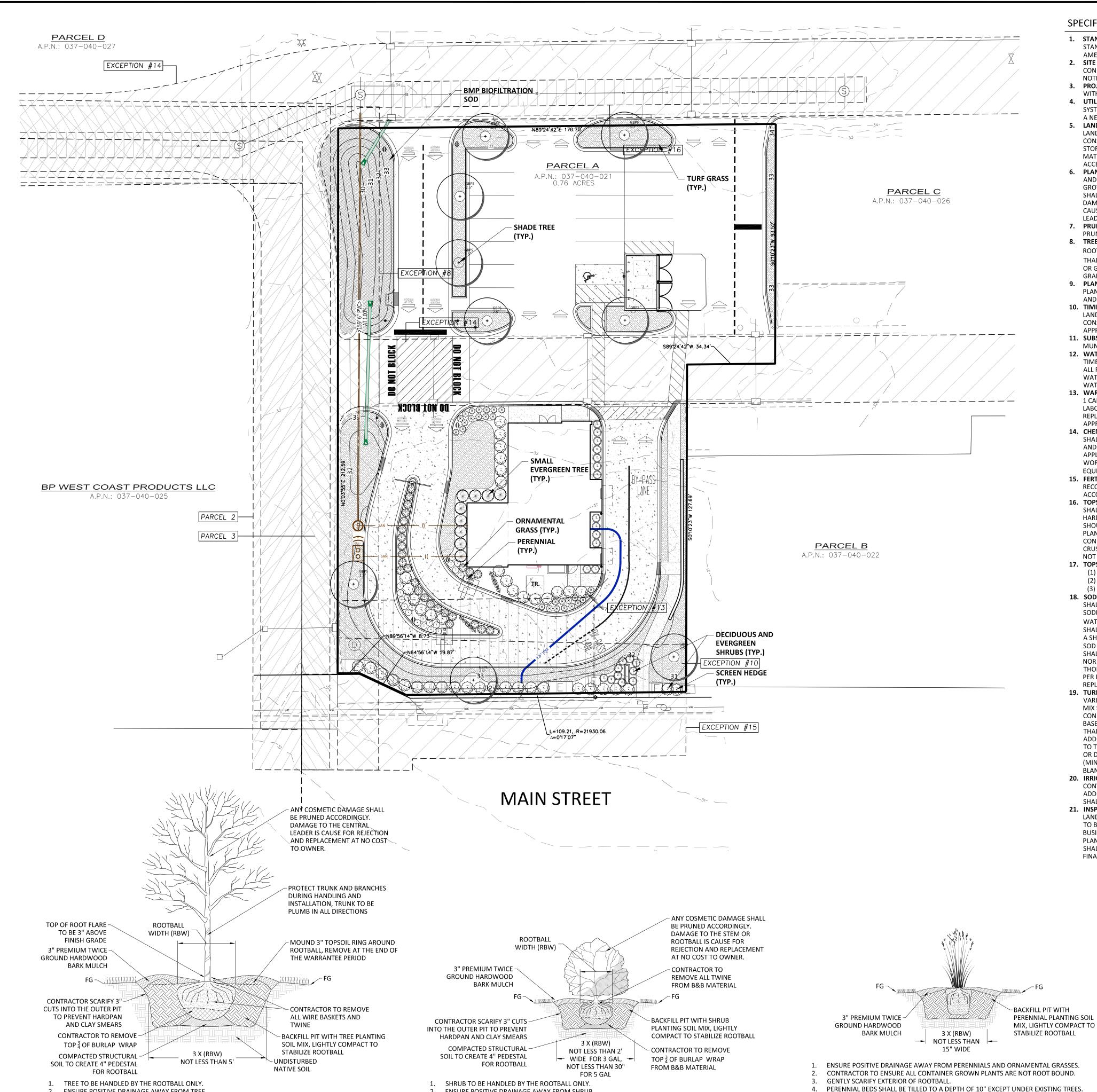
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ENSURE POSITIVE DRAINAGE AWAY FROM SHRUB.

4. GENTLY SCARIFY EXTERIOR OF ROOTBALL.

SHRUB PLANTING

NOT TO SCALE

CONTRACTOR TO ENSURE ALL CONTAINER GROWN PLANTS ARE NOT ROOT BOUND.

2. ENSURE POSITIVE DRAINAGE AWAY FROM TREE.

SHADE TREE PLANTING

3. ALL TREES TO BE FIELD GROWN, ROOT PRUNED, AND SPADE DUG.

4. ALL TREES TO BE BALL AND BURLAP AS NECESSARY FOR ROOT PROTECTION, VIABILITY, HANDLING &TRANSPORT.

SPECIFICATIONS - LANDSCAPE

- 1. STANDARDS AND SPECIFICATIONS: THE CURRENT EDITION OF THE "AMERICAN STANDARD FOR NURSERY STOCK" (ANSI Z60.1 CURRENT ADDITION) PUBLISHED BY
- 2. SITE ANALYSIS: THE LANDSCAPE CONTRACTOR SHALL VISIT THE SITE AND EVALUATE SITE CONDITIONS IN RELATION TO THE LANDSCAPE PLAN AND IT'S ASSOCIATED PLAN SET. NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY ANY CONFLICTS.
- 3. PROJECT COORDINATION: THE LANDSCAPE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE GENERAL CONTRACTOR AND SUBCONTRACTORS AS NECESSARY **UTILITIES:** THE LANDSCAPE CONTRACTOR SHALL PROTECT ALL UTILITIES AND IRRIGATION
- SYSTEMS. ALL DAMAGES TO THE PROTECTED SYSTEMS SHALL BE REPLACED/ REPAIRED TO A NEW CONDITION. LABOR AND MATERIALS SHALL BE AT NO COST TO THE OWNER. 5. LANDSCAPE PROTECTION: THE LANDSCAPE CONTRACTOR SHALL PROTECT ALL EXISTING
- LANDSCAPE NOTED FOR PROTECTION AND ON-SITE LANDSCAPE ASSOCIATED WITH CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR PROPER SHIPPING, HANDLING, STORAGE, PLANTING, WATERING AND MAINTENANCE OF ALL PROPOSED LANDSCAPE MATERIALS INCLUDING THEFT FROM THE TIME OF ACQUISITION TILL TIME OF ACCEPTANCE.
- **6. PLANT QUALITY:** ALL LANDSCAPE PLANTS SHALL BE TRUE TO THE BOTANICAL SPECIES AND VARIETY AND SIZE SPECIFIED ON THE PLANS. PLANTS SHALL BE MAINTAINED DURING GROWTH DEVELOPMENT TO UNIFORM, SYMMETRICAL AND WELL BRANCHED. PLANTS SHALL BE FREE OF ANY PESTS AND ANY OTHER PLANT GROWING FROM THE ROOTBALL DAMAGED TRUNKS, BRANCHES AND INDICATIONS OF MISHANDLING ARE SUFFICIENT CAUSE FOR REJECTION. ALL SINGLE STEM TREES SHALL HAVE ONE DOMINANT CENTRAL
- **PRUNING:** THE LANDSCAPE CONTRACTOR SHALL ENSURE ALL BRANCH AND ROOT PRUNING IS DONE BY A CERTIFIED ARBORIST AND IN ACCORDANCE WITH ANSI A300.
- **8. TREE ROOT FLARE AND ROOTBALL:** THE LANDSCAPE CONTRACTOR INSPECT ALL ROOTBALLS TO ENSURE NO ROOT GREATER THAN $\frac{1}{4}$ " SHALL CIRCLE ROOTBALL MORE THAN $\frac{1}{2}$ OF ROOTBALL CIRCUMFERENCE. ROOTBALL SHALL BE FREE OF "J" ROOTS, KINKED, OR GIRDLING ROOTS OR POT BOUND. ROOT FLARE SHALL NOT BE PLACED BELOW FINISH GRADE, SEE DETAIL FOR ILLUSTRATION.
- 9. PLANT CERTIFICATION: THE LANDSCAPE CONTRACTOR SHALL PROVIDE PROOF ALL PLANTS ARE CERTIFIED FREE OF DISEASE AND INFESTATIONS IN ACCORDANCE OF STATE AND FEDERAL LAWS.
- 10. TIMING: CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR FOR LANDSCAPE INSTALLATION TIMING. ANY PROPOSED LANDSCAPE THAT HAS UNIQUE CONSTRAINTS OR INSTALLATIONS CANNOT MEET CONSTRUCTION TIMING REQUIRES PRE APPROVAL BY LANDSCAPE ARCHITECT.
- 11. SUBSTITUTIONS: ALL PLANT SUBSTITUTIONS REQUIRE LANDSCAPE ARCHITECT AND MUNICIPAL APPROVAL (IF REQUIRED).
- 12. WATERING: THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ALL WATERING FROM TIME OF ACQUISITION TO 30 DAYS AFTER INSTALLATION. CONTRACTOR SHALL REPLACE ALL PLANTS THAT DIE OR SEVERELY DAMAGE AS A RESULT OF LACK OF OR EXCESSIVE WATERING. REPLACEMENT DUE TO PLANT CARE SHALL BE AT NO COST TO THE OWNER. WATERING SHALL BE INCLUDED IN CONTRACTOR'S BID.
- 13. WARRANTEE: THE LANDSCAPE CONTRACTOR SHALL ENSURE ALL LANDSCAPE PLANTS FOR L CALENDAR YEAR FROM THE TIME OF ACCEPTANCE. WARRANTEE SHALL INCLUDE ALL LABOR. REPLACEMENT PLANTS SHALL INCLUDE A SUBSEQUENT 1 CALENDAR YEAR. REPLACEMENTS SHALL BE INSTALLED WITHIN 2 WEEKS FROM NOTIFICATION UNLESS APPROVED BY LANDSCAPE ARCHITECT.
- 14. CHEMICALS: PESTICIDES, HERBICIDES, FUNGICIDES, ALGAECIDES, PRE-EMERGENT, ETC. SHALL BE STORED, HANDLED, APPLIED AND RE-APPLIED IN ACCORDANCE WITH ALL STATE AND FEDERAL REQUIREMENTS AND MANUFACTURER'S RECOMMENDATIONS. ALL APPLICATIONS SHALL BE PERFORMED BY A LICENSED APPLICATOR IN THE STATE OF WORK. APPLICATORS SHALL WEAR ALL REQUIRED PPE (PERSONAL PROTECTION
- 15. FERTILIZERS AND AMENDMENTS: ALL FERTILIZERS SHALL BE APPLIED AT THE RATE AS RECOMMENDED FOR THE APPLICABLE CONDITION AND RATES SHALL BE ADJUSTED ACCORDING TO SOIL CONDITIONS AND PLANT NEEDS.
- **16. TOPSOIL:** TOPSOIL SHALL MEET ASTM D422, ASTM D2974, AND AASHTO T267. TOPSOIL SHALL BE PULVERIZED NATURAL FRIABLE SURFACE SOIL, FREE OF WEEDS, BRUSH, ROOTS, HARD CLAY, LITTER, CONCRETE, ASPHALT, AND STONE EXCEEDING 1" DIA. TOPSOIL SHOULD CONTAIN 15% ORGANIC CONTENT UNLESS OTHERWISE NOTED ON PLANS. SEE PLANS FOR SOIL COMPOSITION AND DEPTHS FOR LANDSCAPE BEDS AND SPECIALIZED CONDITIONS SUCH AS BMP'S, DRY WELLS, PLANTERS, ETC. SOILS THAT HAVE BEEN CRUSHED AND HAVE NO STRUCTURE OR CAPILLARY SPACE DUE TO COMPACTION SHALL NOT BE USED FOR ANY PLANTING AREAS.
- 17. TOPSOIL RE-SPREAD SHALL BE AT THE FOLLOWING UNLESS NOTED OTHERWISE: (1) 4"-6" FOR LAWN AREAS
- (2) 8"-10" FOR LANDSCAPE AREAS

EQUIPMENT).

(3) 12" PLANTING AREAS ABOVE/ BEHIND RETAINING WALLS/ PARKING LOT ISLANDS 18. SOD: SOD SHALL BE TRUE TO THE SPECIES AND VARIETY AS SPECIFIED ON THE PLANS. SOD SHALL BE #1 PREMIUM SOD AS NOTED IN THE GUIDELINE SPECIFICATIONS TO TURF GRASS SODDING BY AMERICAN SOD PRODUCERS ASSOCIATION. SOD SHALL BE INSTALLED AND WATERED WITHIN 24 HOURS OF HARVEST. SOD SHALL HAVE $\frac{3}{4}$ " SOIL ROOTBED. SOD SHALL BE MACHINE CUT. AT THE TIME OF INSTALLATION, ALL CUTS SHALL BE MADE WITH A SHARP KNIFE/ RAZOR, SOD STAPLES SHALL BE USED ON ALL SLOPES GREATER THAN 5:1. SOD SHALL BE PLACED IN CONTACT WITH ALL ADJACENT SOD WITH NO AIR GAPS. JOINTS SHALL BE STAGGERED AND IN NO CASE SOD TO BE CUT INTO SLIVERS LESS THAN 12' WIDE NOR LESS THAN 2 SF IN AREA. UPON INSTALLATION, SOD SHALL BE WATERED THOROUGHLY TO BIND ROOTBED TO PREPARED SOILS. SOD STAKES SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AT A MINIMUM. SOD THAT HAS TO BE

REPLACED DUE TO SLUMPING SHALL BE AT NO COST TO OWNER.

- 19. TURF GRASS SEEDING: TURF GRASS SEED MIX SHALL BE TRUE TO THE SPECIES AND VARIETIES AS SPECIFIED. SEED SHALL BE AT THE RATE SPECIFIED TO 100% PLS RATES. SEED MIX SHALL BE INSTALLED AT THE DISCRETION OF THE CONTRACTOR BASED ON GROWING CONDITIONS AND WEATHER. TURF SEED GROWIN WILL BE ACCEPTED AS PERFORMANCE BASED. ALL SEEDED AREAS SHALL BE GROWN IN TO ENSURE NO BARE AREAS GREATER THAN 3 SQUARE INCHES AND NOT OCCURRING MORE THAN TWICE WITHIN A 12' RADIUS. ADDITIONAL OVERSEEDING TO ACHIEVE GROWIN PERFORMANCE SHALL BE AT NO COST TO THE OWNER. OWNER IS NOT RESPONSIBLE FOR AREAS DAMAGED BY CONSTRUCTION OR DEWATERING. SEED BLANKET SHALL BE INSTALLED FOR ALL SLOPES 5:1 OR STEEPER (MIN.) BLANKET STAKES SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATION. BLANKETS THAT HAVE TO BE REINSTALLED SHALL BE AT NO COST TO OWNER.
- 20. IRRIGATION: CONTRACTOR SHALL PROTECT ANY EXISTING IRRIGATION ON-SITE. CONTRACTOR TO VERIFY WITH OWNER IF PROPOSED IRRIGATION SYSTEM SHALL BE ADDED ONTO EXISTING SYSTEM. ALL REPAIRS TO EXISTING SYSTEM NOT ANTICIPATED SHALL BE AT NO COST TO THE OWNER.
- 21. INSPECTIONS: IF THE MUNICIPALITY REQUIRES A LANDSCAPE CERTIFICATION BY THE LANDSCAPE ARCHITECT, CONTRACTOR SHALL COORDINATE WITH LANDSCAPE ARCHITECT TO BE ON-SITE THE DAY OF COMPLETION. LANDSCAPE ARCHITECT SHALL BE GIVEN 3 BUSINESS DAY ADVANCE NOTICE (MIN.) TO VERIFY LANDSCAPE WILL BE INSTALLED PER PLAN. ANY OUTSTANDING ITEMS THAT ARE ADDRESSED AFTER DATE OF INSPECTION SHALL BE PHOTOGRAPHED BY THE LANDSCAPE CONTRACTOR AND COORDINATED FOR FINAL APPROVAL.

TURFGRASS LEGEND



BOLERO PLUS™ 90% BOLERO DWARF FESCUE / 10% BLUEGRASS

SOD PROVIDER: **DELTA BLUEGRASS COMPANY** 111 N ZUCKERMAN ROAD STOCKTON, CA 95206 1-800-637-8873 (OR APPROVED EQUAL)

MUNICIPAL/AGENCY APPROVAL STAMP

ESIGNED BY:

VIEWED BY:

04/09/2021

PRJ#: 5325-300-32-01

OFFICE LOCATION:

NAPERVILLE, ILLINOIS 60563

(630) 717-4848

wcgrp.com

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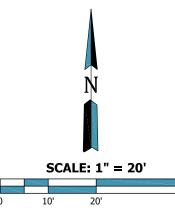
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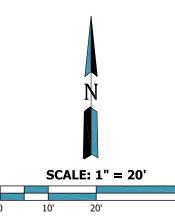
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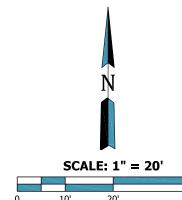
1316 BOND STREET, SUITE 108

SPECIFICATIONS - BIO-SWALE

- 1. SITE ANALYSIS: THE LANDSCAPE CONTRACTOR SHALL VISIT THE SITE AND EVALUATE SITE AND SOIL CONDITIONS IN RELATION TO THE LANDSCAPE PLAN AND IT'S ASSOCIATED PLAN SET. NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY FOR ANY CONFLICTS.
- 2. SEED QUALITY: ALL SEED MIX(S) SHALL BE INSTALLED AT THE RECOMMENDED PLS RATES UNLESS NOTED OTHERWISE. SEEDS SHALL BE TRUE TO THE BOTANICAL SPECIES SPECIFIED ON THE PLANS. SEED MIXES SHALL BE STORED, HANDLES, AND INSTALLED TO PRESERVE SEED VIABILITY STANDARDS.LANDSCAPE CONTRACTOR SHALL PROVIDE PROOF ALL SEED MIXES ARE CERTIFIED FREE OF DISEASE AND INFESTATIONS IN ACCORDANCE OF STATE AND FEDERAL LAWS.
- 3. **CERTIFICATION(S):** CONTRACTOR SHALL HAVE CERTIFIED INSTALLERS WITH 3 YEARS EXPERIENCE AND SUPERVISOR(S) SHALL HAVE AT LEAST 7 YEARS EXPERIENCE INSTALLING NATIVE SEED AREAS. ENTIRE PROCESS OF SOIL PREPARATION AND SEED INSTALLATION SHALL BE MANAGED BY AN ON-SITE SUPERVISOR.
- 4. TIMING: CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR FOR LANDSCAPE INSTALLATION TIMING. ANY PROPOSED LANDSCAPE THAT HAS UNIQUE CONSTRAINTS OR INSTALLATIONS THAT CONFLICT WITH CONSTRUCTION TIMING REQUIRES PRE APPROVAL BY LANDSCAPE ARCHITECT.
- 5. SUBSTITUTIONS: ALL SEED SUBSTITUTIONS REQUIRE LANDSCAPE ARCHITECT AND MUNICIPAL APPROVAL (IF REQUIRED).
- **6. WATERING:** THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ALL WATERING FROM TIME OF ACQUISITION TO 60 DAYS AFTER INSTALLATION. WATERING SHALL BE INCLUDED
- 7. WARRANTEE: THE LANDSCAPE CONTRACTOR SHALL ENSURE ALL LANDSCAPE PLANTS FOR 1 CALENDAR YEAR FROM THE TIME OF ACCEPTANCE. WARRANTEE SHALL INCLUDE ALL LABOR AND MATERIALS. REPLACEMENT PLANTS SHALL INCLUDE A SUBSEQUENT 1 CALENDAR YEAR. REPLACEMENTS SHALL BE INSTALLED WITHIN 2 WEEKS FROM
- NOTIFICATION UNLESS APPROVED BY LANDSCAPE ARCHITECT. 8. CHEMICALS: PESTICIDES, HERBICIDES, FUNGICIDES, ALGAECIDES, PRE-EMERGENT, ETC. SHALL BE STORED, HANDLED, APPLIED AND RE-APPLIED IN ACCORDANCE WITH ALL STATE AND FEDERAL REQUIREMENTS AND MANUFACTURER'S RECOMMENDATIONS. ALL APPLICATIONS SHALL BE PERFORMED BY A LICENSED APPLICATOR IN THE STATE OF WORK. APPLICATORS SHALL WEAR ALL REQUIRED PPE (PERSONAL PROTECTION
- **9. FERTILIZERS AND AMENDMENTS:** ALL FERTILIZERS SHALL BE APPLIED AT THE RATE AS RECOMMENDED FOR THE APPLICABLE CONDITION AND RATES SHALL BE ADJUSTED ACCORDING TO SOIL CONDITIONS AND PLANT NEEDS.
- 10. TOPSOIL: TOPSOIL SHALL MEET ASTM D422, ASTM D2974, AND AASHTO T267. TOPSOIL SHALL BE PULVERIZED NATURAL FRIABLE SURFACE SOIL, FREE OF WEEDS, BRUSH, ROOTS, HARD CLAY, LITTER, CONCRETE, ASPHALT, AND STONE EXCEEDING 1" DIA. TOPSOIL SHOULD CONTAIN 10%-15% ORGANIC CONTENT UNLESS OTHERWISE NOTED ON PLANS. SEE PLANS FOR SOIL COMPOSITION AND DEPTHS FOR LANDSCAPE BEDS AND SPECIALIZED CONDITIONS SUCH AS BMP'S, DRY WELLS, PLANTERS, ETC. SOILS THAT HAVE BEEN CRUSHED AND HAVE NO STRUCTURE OR CAPILLARY SPACE DUE TO COMPACTION SHALL NOT BE USED FOR ANY PLANTING AREAS.
- 11. INSTALLATION AND ESTABLISHMENT: CONTRACTOR SHALL VERIFY SITE AND SOIL CONDITIONS, INSTALLATION SEASON (SPRING/FALL). CONTRACTOR IS RESPONSIBLE TO DETERMINE MEANS/ METHODS FOR PLANTING AND OVER-SEEDING. CONTRACTOR SHALL REPAIR ALL BARREN AREAS GREATER THAN 2 S.F. WITH SPOT SEEDING.
- 12. COVER CROPS: THE CONTRACTOR SHALL PROVIDE A COVER CROP IF RECOMMENDED BY THE SUPPLIER.
- 13. SEED BLANKET: CONTRACTOR SHALL INSTALL NORTH AMERICAN GREEN S75 SEED BLANKET (OR EQUAL) OVER ALL SEEDED AREAS. BLANKET STAPLES SHALL BE USED AS NEEDED TO SECURE SEED BLANKET. SEED LOSS FROM BLANKETS THAT PULL FREE SHALL BE REPLACED AT NO COST TO THE OWNER.
- 14. MAINTENANCE: CONTRACTOR SHALL UNDERSTAND AND VERIFY ALL JURISDICTIONAL REQUIREMENTS FOR NATIVE INSTALLATION. IF A NATIVE INSTALLATION IS REQUIRED BY JURISDICTIONAL AGENCY AND THAT AGENCY REQUIRES OBSERVATION AND MAINTENANCE; THE CONTRACTOR SHALL PROVIDE A SEPARATE BID TO COMPLETE ALL REQUIRED MAINTENANCE.







NOT TO SCALE

UNDER EXISTING TREES, CONTRACTOR TO DIG STAND ALONE PLANTINGS IN NATIVE SOILS.

CONTRACTOR TO FIELD ADJUST IF LARGE ROOTS ARE ENCOUNTERED.

PERENNIAL/ ORNAMENTAL GRASS PLANTING

NOT TO SCALE