

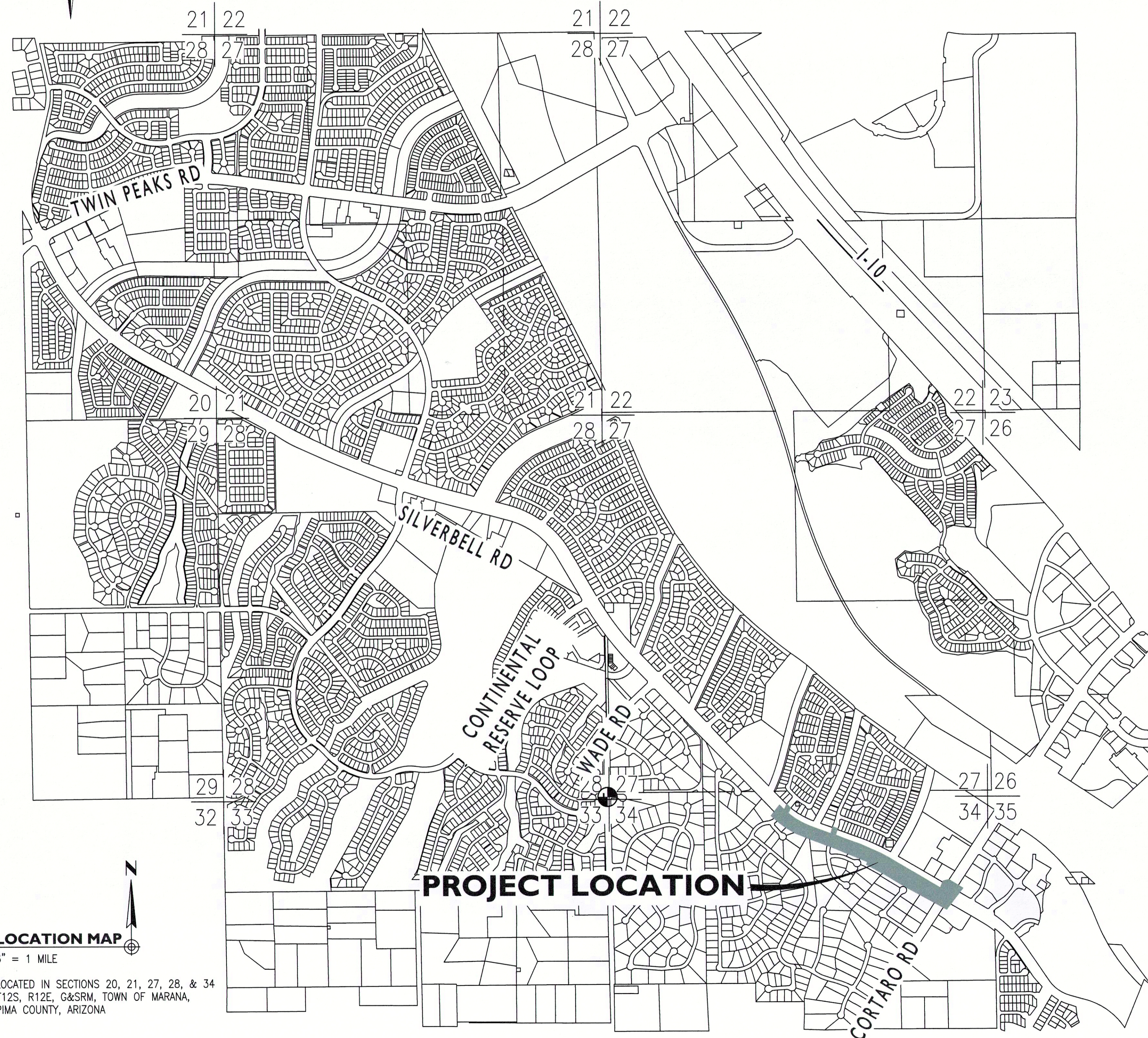
SILVERBELL ROAD SIDEWALK INFILL – PHASE 2 CONSTRUCTION PLAN

T.O.M. PROJECT No. ST069 MARANA, AZ



MAYOR ED HONEA
VICE MAYOR JON POST

COUNCIL MEMBERS
DAVE BOWEN
PATTI COMERFORD
HERB KAI
ROXANNE ZIEGLER
JOHN OFFICER



SHEET INDEX

COVER SHEET	C1.0
GENERAL NOTES	C1.1
DETAILS	C1.2
SILVERBELL SIDEWALK IMPORVEMENTS	C1.3

BASIS OF ELEVATION

2 1/2" BRASS DISC MARKED "RLS 4527 S28|S27 S33|S34"
SAID POINT BEING THE SECTION CORNER, LOCATED IN THE PAVEMENT OF WADE ROAD, SAID ELEVATION BEING 2168.78 (NAVD88).

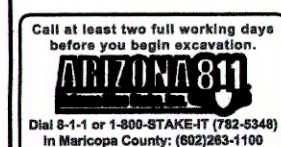
CIVIL ENGINEER
EPS GROUP, INC.
8710 N. THORNYDALE ROAD, SUITE 140
TUCSON, ARIZONA 85742
TEL: (520)-408-1400
CONTACT: JEFF STINE
E-MAIL: JEFF.STINE@EPSGROUPINC.COM

OWNER
TOWN OF MARANA
11555 WEST CIVIC CENTER DRIVE
MARANA, ARIZONA 85653
TEL: (520)-382-2600
CONTACT: KURT SCHMIDT
E-MAIL: KSCHMIDT@MARANAAZ.GOV

LOCATION MAP

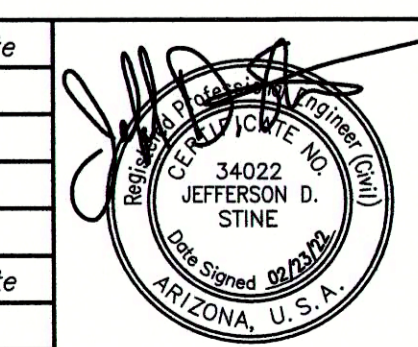
6" = 1 MILE

LOCATED IN SECTIONS 20, 21, 27, 28, & 34
T12S, R12E, G&SRM, TOWN OF MARANA,
PIMA COUNTY, ARIZONA



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No.	Revisions	Engineer	Date



Accepted	
	3-2-22 Keith Brann, PE, Town Engineer
	03/01/2022 Mo el-Ali, Director, Public Works

T.O.M. Project No. ST069

C1.0

Sheet 1 of 4

GENERAL NOTES:

- THE CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOBSITE CONDITIONS DURING THE COURSE OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE TOWN OF MARANA OR ITS REPRESENTATIVE, ACTING AS THE TOWN'S AGENT, AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF THE WORK ON THIS PROJECT.
- ALL WORK SHALL BE PERFORMED BY A CONTRACTOR WHO IS LEGALLY LICENSED BY THE ARIZONA REGISTRAR OF CONTRACTORS FOR THE TYPE OF WORK AS CALLED FOR ON THE PLANS AND/OR IN THE CONTRACT DOCUMENTS. ANY SUBCONTRACTOR EMPLOYED BY THE CONTRACTOR UNDER THE CONTRACT WITH THE TOWN OF MARANA SHALL BE FULLY LICENSED IN ACCORDANCE WITH THE REQUIREMENTS HEREIN STATED.
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS AT ALL TIMES.
- AN APPROVED/ACCEPTED SET OF THE PROJECT PLANS TOGETHER WITH THE CONTRACT DOCUMENTS, ANY ADDENDA ISSUED PRIOR TO THE BID OPENING, AND ANY EXECUTED CONTRACT CHANGE ORDER(S) OR SUPPLEMENTAL AGREEMENT(S) ISSUED SUBSEQUENT TO THE AWARD OF THE CONTRACT SHALL BE MAINTAINED BY THE CONTRACTOR IN AN EASILY ACCESSIBLE LOCATION ON THE PROJECT SITE UNTIL SUCH TIME THAT CONSTRUCTION ACTIVITIES ARE COMPLETED AND/OR FINAL ACCEPTANCE OF THE PROJECT BY THE TOWN OF MARANA.
- ALL MATERIALS, CONSTRUCTION, AND WORKMANSHIP SHALL CONFORM TO THE PIMA ASSOCIATION OF GOVERNMENTS STANDARD SPECIFICATIONS AND DETAILS (PAG SSD) 2015 EDITION EXCEPT AS MODIFIED BY CURRENT EDITIONS AND/OR TOWN OF MARANA STANDARD DETAILS AND/OR THE PROJECT CONTRACT DOCUMENTS.
- CONSTRUCTION OBSERVATION BY TOWN OF MARANA PERSONNEL OR THE TOWN'S REPRESENTATIVE, ACTING AS THE TOWN'S AGENT, OF THE WORK AS CALLED FOR ON THE PROJECT PLANS OR IN THE PROJECT CONTRACT DOCUMENTS SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR AND/OR ITS SUBCONTRACTOR(S) OF THEIR OBLIGATION TO PERFORM THE WORK IN COMPLIANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, PLANS, SPECIFICATIONS, TOWN CODE, AND ANY OTHER APPLICABLE REGULATION(S) PERTAINING AND ASSOCIATED THERETO.
- THE CONTRACTOR SHALL GIVE A MINIMUM OF FORTY-EIGHT (48) HOURS NOTICE TO THE TOWN OF MARANA WHEN THEY SHALL REQUIRE THE SERVICES OF THE TOWN INSPECTOR, ENGINEER, AGENT, OR ANY OTHER PERSON FOR PURPOSES INVOLVING ANY PORTION OF THE WORK SO REQUIRED.
- QUANTITIES, AS PROVIDED IN THE BID SCHEDULE, ARE ESTIMATED BASED ON THE WORK SPECIFIED ON THE PLANS AND IN THE CONTRACT DOCUMENTS. THE CONTRACTOR IS ADVISED THAT THE FINAL QUANTITIES OF BID ITEMS CONSTRUCTED, INSTALLED, APPLIED, AND/OR SUPPLIED MAY DIFFER FROM THOSE PROVIDED IN THE BID SCHEDULE. APPROPRIATE ACTION, IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS, WILL BE APPLIED ACCORDINGLY.
- IN THE EVENT CONDITIONS ARE DISCOVERED AND/OR ENCOUNTERED DURING THE COURSE OF CONSTRUCTION ACTIVITIES THAT REQUIRE CHANGES, MODIFICATIONS, DELETIONS, ADDITIONS, AND/OR ALTERATIONS TO THE PLANS AND/OR CONTRACT DOCUMENTS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE TOWN'S CONSTRUCTION MANAGER FOR A RESOLUTION TO BE IMPLEMENTED. ANY DELAY ON THE PART OF THE CONTRACTOR IN NOTIFYING THE APPROPRIATE TOWN PERSONNEL SHALL NOT BE GROUNDS FOR AN EXTENSION OF CONTRACT TIME NOR FOR ADDITIONAL COMPENSATION AS A RESULT OF DELAYS IN OTHER ASSOCIATED WORK ITEMS CAUSED BY THE CONTRACTOR'S DELAY OF TIMELY NOTIFICATION.
- THE CONTRACTOR SHALL EMPLOY MEASURES AT ITS DISPOSAL TO MITIGATE THE DETRIMENTAL EFFECTS TO THE PROJECT OF UNANTICIPATED CONDITIONS AND TO PROVIDE ITS RELEVANT EXPERTISE TO ASSIST THE TOWN OF MARANA AND/OR ITS REPRESENTATIVES IN THE PREPARATION OF NECESSARY REVISED IMPROVEMENT PLANS FOR REVIEW AND APPROVAL BY THE APPLICABLE AUTHORIZING AGENCY/AGENCIES. THE CONTRACTOR SHALL NOT RESUME CONSTRUCTION THAT HAS BEEN AFFECTED BY THE UNANTICIPATED CONDITIONS UNTIL DIRECTED TO DO SO BY THE TOWN OF MARANA.
- ALL REVISIONS AND/OR MODIFICATIONS TO THESE PROJECT PLANS AND CONTRACT DOCUMENTS SHALL BE APPROVED/ACCEPTED BY THE TOWN OF MARANA PRIOR TO COMMENCEMENT OF SAID WORK AFFECTED BY SUCH REVISIONS AND/OR MODIFICATIONS.
- OMISSIONS OR CONFLICTS BETWEEN VARIOUS ELEMENTS OF THE DRAWINGS, NOTES, AND DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE TOWN OF MARANA OR THE TOWN'S REPRESENTATIVE, ACTING AS THE TOWN'S AGENT, AND THE ENGINEER A MINIMUM OF FORTY-EIGHT (48) HOURS BEFORE THAT PORTION OF THE PROJECT IN QUESTION IS TO BE CONSTRUCTED. IF THE TOWN AND THE ENGINEER ARE NOT NOTIFIED ACCORDINGLY, ANY DISCREPANCIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL NOTES SHALL CROSS-APPLY TO ALL CONSTRUCTION DISCIPLINES INVOLVED WITH THIS PROJECT.
- THE EXISTENCE AND LOCATION OF ANY EXISTING UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. APPROVAL OF THIS PLAN DOES NOT CONSTITUTE A REPRESENTATION OF THE ACCURACY OR COMPLETENESS OF THE LOCATION OR THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY MEANS TO PROTECT ANY UTILITY NOT OF RECORD OR NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY ANY COMPLETELY RESPONSIBLE FOR COSTS INCURRED AS A RESULT OF DAMAGE TO UTILITIES CAUSED BY ITS OPERATIONS.
- THE CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. CALL "BLUE STAKE" (1-800-782-5348) A MINIMUM OF (2) FULL WORKING DAYS PRIOR TO EXCAVATION. SATURDAY, SUNDAY, AND RECOGNIZED HOLIDAYS ARE NOT CONSIDERED WORKING DAYS. THE CONTRACTOR SHALL KEEP ALL "BLUE STAKE" REQUESTS UP-TO-DATE AND COMPLY WITH APPLICABLE ARIZONA REVISED STATUTES (A.R.S.), TITLE 40, CHAPTER 1 ARTICLE 6.3, SECTION 40-360.22 PERTAINING TO "BLUE STAKE". ERRORS IN "BLUE STAKE" SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER. THE PLAN LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE BASED ON THE BEST INFORMATION AVAILABLE AND ARE NOT INTENDED TO BE EXACT OR COMPLETE.

16. UTILITIES / AGENCIES:

UTILITY COMPANY	CONTACT	PHONE NO.
CENTURY LINK	DISPATCH CENTER	(800)-778-9140
COMCAST	GRAYCLIFF OFFICE	(520)-579-6500
PCRWRD	BOB MACHEN	(520)-724-9405
SOUTHWEST GAS	ISABEL ROMERO	(520)-794-6021
TUCSON ELECTRIC POWER	PAULA POLANSKY	(520)-917-2607
TUCSON WATER	MARIA MOLINA	(520)-791-5511

- THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED BY GOVERNMENTAL AGENCIES UNLESS SPECIFIED OTHERWISE IN THE PROJECT CONTRACT DOCUMENTS. NO WORK, AS DELINEATED ON THESE PLANS SHALL BE STARTED UNTIL THE CONTRACTOR HAS OBTAINED ALL NECESSARY PERMITS FROM ALL AUTHORIZING AGENCIES.
- A RIGHT-OF WAY USE PERMIT IS REQUIRED FOR CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR MUST APPLY FOR A RIGHT-OF-WAY USE PERMIT AT LEAST TEN (10) WORKING DAYS PRIOR TO CONSTRUCTION. A TRAFFIC CONTROL PLAN MAY BE REQUIRED WITH THE APPLICATION. FOR PERMITTING WITHIN THE TOWN OF MARANA, CONTACT CARLA DONALDSON, RIGHT-OF-WAY INSPECTOR AT (520) 400-8233.
- RIGHT-OF-WAY ENCROACHMENTS SHALL BE REMOVED ONLY BY DIRECTION OF THE TOWN OF MARANA, UNLESS OTHERWISE NOTED ON THE PROJECT PLANS OR PROJECT CONTRACT DOCUMENTS. IF PROJECT CONSTRUCTION ENCROACHES ONTO PRIVATE PROPERTY OR AFFECTS ACCESS TO IT, RIGHTS OF ENTRY AND TEMPORARY CONSTRUCTION EASEMENTS ARE REQUIRED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- NO LESS THAN SEVEN (7) WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORK (OR ANY PHASE THEREOF) WITHIN THE PUBLIC RIGHT(S)-OF-WAY, THE CONTRACTOR SHALL SUBMIT TO THE TOWN OF MARANA, FOR ITS REVIEW AND ACCEPTANCE, A CORRESPONDING TRAFFIC CONTROL PLAN OR PLANS.
- CONSTRUCTION ZONE TRAFFIC CONTROL INCLUDING WARNING SIGNS, BARRICADES, ETC. SHALL CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2009 EDITION, THE PROJECT PLANS, AND PROJECT CONTRACT DOCUMENTS.
- UPON COMMENCEMENT OF CONSTRUCTION ACTIVITIES, IN ACCORDANCE WITH THE VERSION OF THE CONTRACTOR'S TRAFFIC CONTROL PLAN(S) ACCEPTED BY THE TOWN, CONSTRUCTION ZONE TRAFFIC CONTROL DEVICES SHALL BE POSTED, PLACED, INSTALLED, AND MAINTAINED BY THE CONTRACTOR UNTIL SUCH TIME THAT THE WORK IS COMPLETED AND ACCEPTED BY THE TOWN OF MARANA, AND/OR AS DIRECTED BY THE ENGINEER. A COPY OF THE ACCEPTED TRAFFIC CONTROL PLAN(S) AND ANY ACCEPTED REVISIONS AND/OR AMENDMENTS THERETO, SHALL BE KEPT ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.
- DRAINAGE SHALL NOT BE CHANGED, ALTERED, DISTURBED, OR OBSTRUCTED WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE TOWN ENGINEER. PATTERNS SHALL BE RESTORED TO THEIR PRE-EXISTING CONDITIONS PRIOR TO THE PROJECT'S ACCEPTANCE. PER ENVIRONMENTAL PROTECTION AGENCY (EPA), SECTION 404 OF THE CLEAN WATER ACT, DREDGED OR FILL MATERIAL SHALL NOT BE PERMANENTLY OR TEMPORARILY PLACED IN ANY JURISDICTIONAL WATERS.
- THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE NATIVE VEGETATION WITHIN ALL OPEN SPACE AREAS. NATIVE PLANTS MUST BE FLAGGED AND PROTECTIVE FENCING MUST BE INSTALLED AS REQUIRED BY THE NATIVE PLANT PRESERVATION PLAN PRIOR TO ANY GRADING ACTIVITY.
- THE REMOVAL OF NATIVE PLANTS AND CACTI SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE "ARIZONA NATIVE PLANT LAW".
- GRADING BOUNDARIES SHALL BE CLEARLY IDENTIFIED AND ALL WORK WILL BE CONFINED TO WITHIN THE APPROVED PROJECT DISTURBANCE LIMITS SHOWN ON THESE PLANS. NO WORK SHALL TAKE PLACE OUTSIDE OF THE LIMITS SHOWN ON THESE PLANS. IF OFF-SITE GRADING WORK SHOULD BECOME NECESSARY, WRITTEN PERMISSION SHALL BE OBTAINED IN ADVANCE.
- THE CONTRACTOR SHALL ADHERE TO THE CONDITIONS AND REQUIREMENTS OF THE STATE OF ARIZONA'S "ANTIQUITIES ACT", (A.R.S. 41-841, ET SEQ.). IN THE EVENT ARCHAEOLOGICAL, PALEONTOLOGICAL, OR HISTORICAL MATERIAL IS DISCOVERED DURING THE COURSE OF CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DIRECTOR OF THE ARIZONA STATE MUSEUM AT (520) 621-4795 AND THE TOWN OF MARANA'S CONSTRUCTION MANAGER. THE CONTRACTOR SHALL CEASE CONSTRUCTION ACTIVITIES IN THE VICINITY OF THE FIND UNTIL IT HAS BEEN EXAMINED BY A PROFESSIONAL ARCHAEOLOGIST WHO, IN CONSULTATION WITH THE ARIZONA STATE MUSEUM, CAN DETERMINE WHETHER OR NOT THE FIND IS SIGNIFICANT. A CAUTION MUST BE NOTED CONCERNING HUMAN BURIALS. ARCHAEOLOGICAL CLEARANCE RECOMMENDATIONS DO NOT EXEMPT THE PROJECT FROM COMPLIANCE WITH STATE BURIAL PROTECTION LAWS. IN THE EVENT THAT HUMAN REMAINS, INCLUDING HUMAN SKELETAL REMAINS, CREMATIONS, AND/OR CEREMONIAL OBJECTS AND FUNERARY OBJECTS ARE FOUND DURING EXCAVATION OR CONSTRUCTION, GROUND DISTURBING ACTIVITIES MUST CEASE IN THE IMMEDIATE VICINITY OF THE DISCOVERY. STATE LAWS A.R.S. 41-865 AND A.R.S. 41-844 REQUIRE THAT THE ARIZONA STATE MUSEUM BE NOTIFIED OF THE DISCOVERY SO THAT CULTURAL GROUPS WHO CLAIM CULTURAL OR RELIGIOUS AFFINITY TO THEM CAN MAKE APPROPRIATE ARRANGEMENTS FOR THE REPATRIATION AND REBURIAL OF THE REMAINS. THE HUMAN REMAINS WILL BE REMOVED FROM THE SITE BY A PROFESSIONAL ARCHAEOLOGIST PENDING CONSULTATION AND REVIEW BY THE ARIZONA STATE MUSEUM AND THE CONCERNED CULTURAL GROUPS.
- THE CONTRACTOR SHALL PRESERVE ALL STAKES SET FOR THE LINES, LEVELS, OR MEASUREMENTS OF THE WORK IN THEIR PROPER PLACES UNTIL AUTHORIZED TO REMOVE THEM BY THE TOWN OF MARANA OR THE TOWN'S REPRESENTATIVE, ACTING AS THE TOWN'S AGENT. ANY EXPENSE INCURRED IN REPLACING ANY STAKES WHICH THE CONTRACTOR OR HIS SUBORDINATES MAY HAVE FAILED TO PRESERVE SHALL BE CHARGED TO THE CONTRACTOR.

- ANY EXISTING SURVEY MONUMENTS DISTURBED DURING THE CONSTRUCTION OF THIS PROJECT SHALL BE REPLACED BY A REGISTERED LAND SURVEYOR, AND A RECORD OF SURVEY TO BE PREFORMED AND AND RECORDED IN ACCORDANCE WITH ARS 33-105 AT THE CONTRACTOR'S EXPENSE.
- ALL EARTHWORK OPERATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE PIMA ASSOCIATION OF GOVERNMENTS STANDARD SPECIFICATIONS AND DETAILS (PAG SSD) 2015 EDITION, SECTION 203, ENTITLED "EARTHWORK" UNLESS SPECIFIED OTHERWISE OR MODIFIED IN/ON THE PROJECT'S CONTRACT DOCUMENTS AND/OR PLANS. ALL EARTHWORK SHALL BE PERFORMED UNDER THE OBSERVATIONS OF A QUALIFIED SOILS ENGINEER. THE CONTRACTOR SHALL FACILITATE THE WORK OF THE SOILS ENGINEER DURING HIS OBSERVATIONS AND TESTING. THE SOILS ENGINEER SHALL OBSERVE, INSPECT, AND TEST ALL EARTHWORK OPERATIONS, INCLUDING, BUT NOT LIMITED TO, CLEARING AND GRUBBING, SUBGRADE PREPARATION, STRUCTURAL AND TRENCH EXCAVATION AND BACKFILL, AND PLACEMENT AND COMPACTION OF FILL. TEST RESULTS AND APPROVAL FROM THE SOILS ENGINEER SHALL CONTAIN THE TYPE OF FIELD TESTING PERFORMED. EACH TEST SHALL BE IDENTIFIED WITH THE METHOD OF OBTAINING THE IN-PLACE DENSITY, WHETHER SAND CONE, DRIVE RING, OR NUCLEAR DENSITY GIUGE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION OF THE FINAL, ACCEPTABLE TEST RESULTS TO THE TOWN OF MARANA. THE COST FOR EMPLOYING A QUALIFIED SOILS ENGINEERING FOR OBSERVATIONS, INSPECTIONS, AND TESTING DURING THE CONTRACTOR'S EARTHWORK OPERATIONS SHALL BE PAID FOR BY THE CONTRACTOR AND IS CONSIDERED INCIDENTAL TO THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO FURNISH, HAUL, AND APPLY ALL WATER REQUIRED FOR COMPACTION AND FOR THE CONTROL OF DUST FROM CONSTRUCTION ACTIVITY. NO SEPARATE PAYMENT WILL BE MADE FOR WATER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CARE, MAINTENANCE, REPAIR, OR REPLACEMENT OF EXISTING IMPROVEMENTS IN THE WORK AREA WHICH HAVE BEEN REMOVED OR DAMAGED DURING THE COURSE OF CONSTRUCTION. ADDITIONALLY, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL ADJACENT PROPERTY AND EXISTING IMPROVEMENTS THEREUPON, INCLUDING EXERCISING POSITIVE CONTROL OF EARTH SPILLAGE, CONSTRUCTION WATER, AND RUNOFF WATERS. ALL REPAIR, REPLACEMENT, OR CLEANUP SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER AND/OR OWNER AT NO EXPENSE TO THE ENGINEER AND/OR OWNER.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CALCULATE HIS OWN EARTHWORK QUANTITIES AND SUBMIT HIS BID THEREON. EARTHWORK QUANTITIES SHOWN HEREON ARE ESTIMATED FOR PERMITTING PURPOSES ONLY AND ARE NOT TO BE USED FOR BIDDING OR PAYMENT QUANTITIES.
- CUT AND FILL SLOPES SHALL BE TRIMMED TO THE FINISH GRADE TO PRODUCE A SMOOTH SURFACE AND UNIFORM CROSS-SECTION. THE SLOPE OF THE EXCAVATIONS OR EMBANKMENTS SHALL BE SHAPED AND TRIMMED AS SHOWN ON THE PROJECT PLANS AND LEFT IN A NEAT AND ORDERLY CONDITION. ALL STONES, ROOTS, OR OTHER WASTE MATTER EXPOSED ON EXCAVATION OR EMBANKMENT SLOPES SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF-SITE BY THE CONTRACTOR.
- THE CONTRACTOR SHALL ADJUST TO THE PROPOSED FINISHED GRADE AND/OR FINISHED SURFACE ELEVATION ALL FRAMES AND COVERS FOR EXISTING WATER VALVES, SANITARY MANHOLES, STORM DRAIN MANHOLES, AND UTILITY MANHOLES DESIGNATED TO REMAIN IN PLACE IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPROPRIATE STANDARD DETAILS OF THE ENTITY ASSOCIATED THERewith AND THE TOWN OF MARANA.
- SUBBASE MATERIAL(S) SHALL COMPLY WITH THE REQUIREMENTS AS SPECIFIED IN/ON THE PROJECT'S CONTRACT DOCUMENTS AND/OR PLANS.
- AGGREGATE BASE COURSE SHALL CONFORM TO THE PIMA ASSOCIATION OF GOVERNMENTS STANDARD SPECIFICATIONS AND DETAILS (PAG SSD) 2015 EDITION, SECTION 303 ENTITLED "AGGREGATE BASE COURSE" UNLESS SPECIFIED OTHERWISE OR MODIFIED IN/ON THE PROJECT'S CONTRACT DOCUMENTS AND/OR PLANS.
- ALL CONCRETE SHALL BE "CLASS B" AND SHALL COMPLY WITH THE PIMA ASSOCIATION OF GOVERNMENTS STANDARD SPECIFICATIONS AND DETAILS (PAG SSD) 2015 EDITION, SECTION 1006, ENTITLED "PORTLAND CEMENT CONCRETE" UNLESS SPECIFIED OTHERWISE OR MODIFIED IN/ON THE PROJECT'S CONTRACT DOCUMENTS AND/OR PLANS. HYDRAULIC CEMENT SHALL BE PORTLAND CEMENT (TYPE II OR III) OR PORTLAND-PUZZOLAN CEMENT [TYPE IP (MS)] UNLESS SPECIFIED OTHERWISE IN/ON THE PROJECT'S CONTRACT DOCUMENTS AND/OR PLANS.
- ALL PERMANENT TRAFFIC CONTROL SIGNAGE SHALL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR. ALL STREET SIGNING SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2009 EDITION AND CURRENT TOWN OF MARANA STANDARDS.
- THE CONTRACTOR SHALL REMOVE AND RELOCATE, AS DIRECTED BY THE ENGINEER, ALL MAILBOXES, FENCES, GATES, SIGNS, POSTS, PIPES, ETC. WITHIN THE RIGHT-OF-WAY AND CONSTRUCTION EASEMENT AREAS. THE COST OF THIS WORK SHALL BE CONSIDERED AS INCIDENTAL TO THE OTHER ITEMS OF WORK, EXCEPT WHEN THE PROJECT'S BIDDING SCHEDULE CONTAINS SPECIFIC ITEMS ON A UNIT BASIS.
- THE CONTRACTOR SHALL REMOVE AND LEGALLY DISPOSE OF ALL DEMOLITION MATERIAL(S), CONSTRUCTION DEBRIS, CONSTRUCTION INCIDENTALS, AND ALL ITEMS ASSOCIATED WITH CLEARING AND GRUBBING OPERATIONS FROM THE JOBSITE ON A DAILY BASIS. SAID MATERIAL(S) SHALL NOT BE STORED IN THE PUBLIC RIGHT(S)-OF-WAY UNLESS SPECIFICALLY APPROVED OF BY THE TOWN ENGINEER.
- ASPHALTIC CONCRETE SHALL BE A 1/2-INCH ASPHALT MIX (NO. 2) AND SHALL COMPLY WITH THE REQUIREMENTS OF THE PIMA ASSOCIATION OF GOVERNMENTS STANDARD SPECIFICATIONS AND DETAILS (PAGSSD) 2015 EDITION, SECTION 406 ENTITLED "ASPHALTIC CONCRETE" UNLESS SPECIFIED OTHERWISE OR MODIFIED IN/ON THE PROJECT'S CONTRACT DOCUMENTS AND/OR PLANS
- THE CONTRACTOR SHALL PROVIDE TO THE TOWN OF MARANA "RECORD DRAWINGS" SHOWING THE LOCATION (HORIZONTALLY AND VERTICALLY) OF ALL ITEMS CONSTRUCTED, INCLUDING, BUT NOT LIMITED TO, UNDERGROUND UTILITIES WHETHER INSTALLED BY THE CONTRACTOR OR BY OTHERS, AS PROVIDED ON THE PLANS AND/OR IN THE CONTRACT DOCUMENTS, AND AS FOUND/DISCOVERED DURING THE COURSE OF THE CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL UPDATE THE "RECORD DRAWINGS" INFORMATION WEEKLY. SAID "RECORD DRAWINGS" SHALL BE MADE AVAILABLE FOR VIEWING BY TOWN PERSONNEL AT THEIR LEISURE. THE "RECORD DRAWINGS" SHALL BE PROVIDED TO THE TOWN OF MARANA'S CONSTRUCTION MANAGER PRIOR TO THE REQUEST OF THE PROJECT'S RELEASE OF RETENTION. THE RELEASE OF RETENTION FUNDS SHALL NOT OCCUR UNTIL SUCH TIME AS THE "RECORD DRAWINGS" HAVE BEEN RECEIVED BY THE TOWN, IN COMPLIANCE WITH THE REQUIREMENTS, REVIEWED, AND ACCEPTED ACCORDINGLY. THE FORMAT AND RELATED REQUIREMENTS FOR THE "RECORD DRAWINGS" SHALL BE AS PROVIDED IN THE CONTRACT DOCUMENTS.

LEGEND

EXISTING		PROPOSED
---	SIDEWALK	---
-o-o-o-o-o-	HANDRAIL	-o-o-o-o-o-
///	PAVEMENT/CURB	---
---	EXISTING RIGHT OF WAY	---
---	EXISTING CENTERLINE	---
---	CHANNEL TOP	---
---	CHANNEL TOE	---
---	FLOWLINE	---
--- <td style="text-align: center;">BLUESTAKE ELECTRIC</td> <td style="text-align: center;">--- </td>	BLUESTAKE ELECTRIC	---
--- <td style="text-align: center;">BLUESTAKE FIBER OPTIC</td> <td style="text-align: center;">--- </td>	BLUESTAKE FIBER OPTIC	---
--- <td style="text-align: center;">BLUESTAKE GAS</td> <td style="text-align: center;">--- </td>	BLUESTAKE GAS	---
--- <td style="text-align: center;">BLUESTAKE WATER</td> <td style="text-align: center;">--- </td>	BLUESTAKE WATER	---
--- <td style="text-align: center;">GRADING LIMIT</td> <td style="text-align: center;">--- </td>	GRADING LIMIT	---
--- <td style="text-align: center;">SIDEWALK RAMP</td> <td style="text-align: center;">--- </td>	SIDEWALK RAMP	---
--- <td style="text-align: center;">RIP RAP</td> <td style="text-align: center;">--- </td>	RIP RAP	---
[Symbol]	ELECTRIC BOX	[Symbol]
[Symbol]	IRRIGATION VALVE	[Symbol]
[Symbol]	VEGETATION	[Symbol]
[Symbol]	BENCHMARK	[Symbol]

SILVERBELL SIDEWALK INFILL - PHASE 2

MARANA, AZ

GENERAL NOTES AND DETAILS

Revisions:

Call at least two full working days before you begin excavation.

ARIZONA

Professional Engineer License No. 14000 State of Arizona
in Maricopa County (00205-110)

Designer: JS 03/20
Drawn by: CL 03/20

34022
JEFFERSON D.
STINE
Professional Engineer
Arizona, U.S.A.

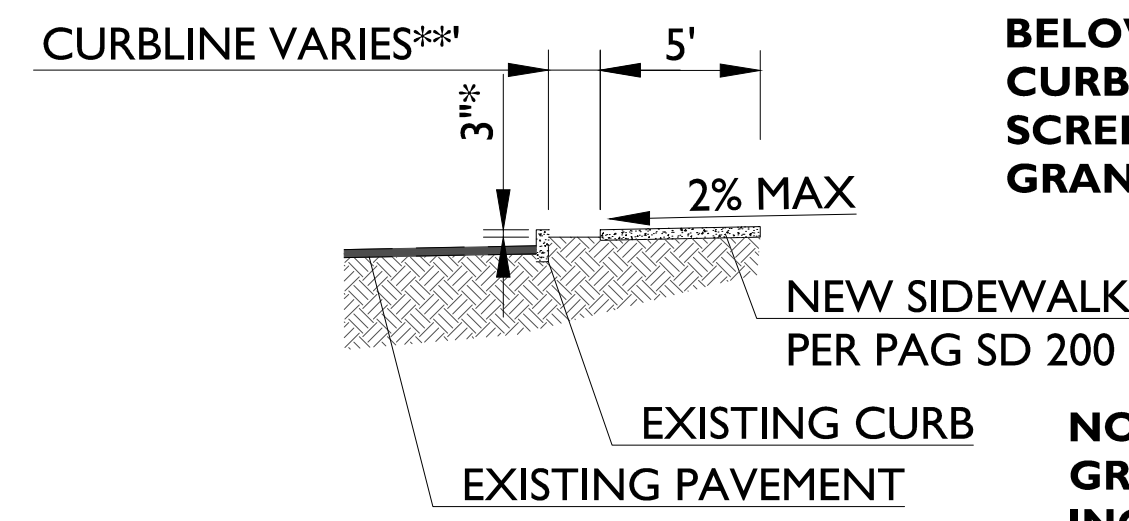
Job No.
15-229

CI.1

Sheet No.
2
of 4

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EPS GROUP

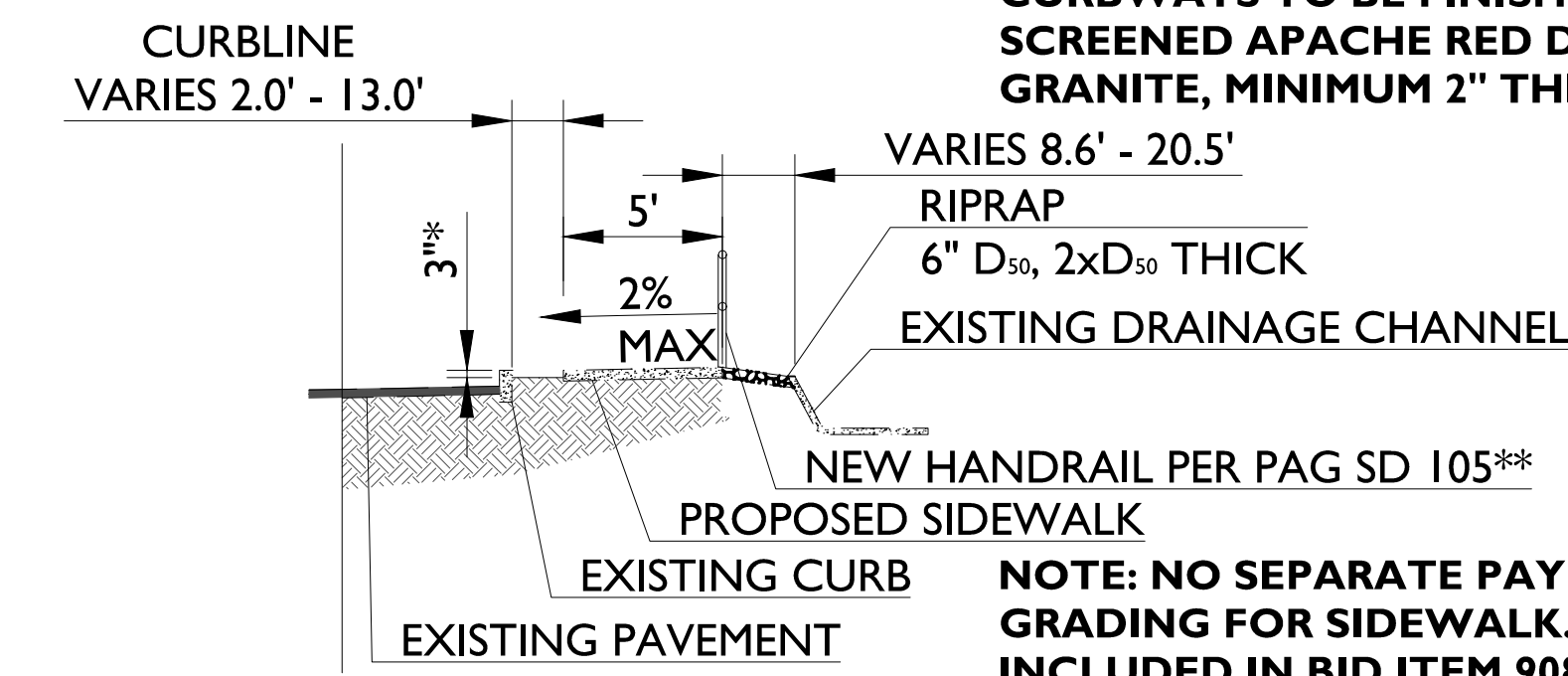
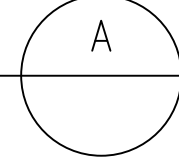


* CONTRACTOR TO LOWER GROUND BETWEEN EXISTING CURB AND NEW SIDEWALK LEAVING FINISH GRADE 3" BELOW TOP OF CURB/SIDEWALK. CURBWAYS TO BE FINISHED WITH 3/4" SCREENED APACHE RED DECOMPOSED GRANITE, MINIMUM 2" THICK.

** STANDARD SIDEWALK CURBWAY WIDTH 2'; MEANDERING SIDEWALK CURBWAY WIDTH VARIES 2'-12'

NOTE: NO SEPARATE PAY ITEM FOR GRADING FOR SIDEWALK. COST INCLUDED IN BID ITEM 9080201

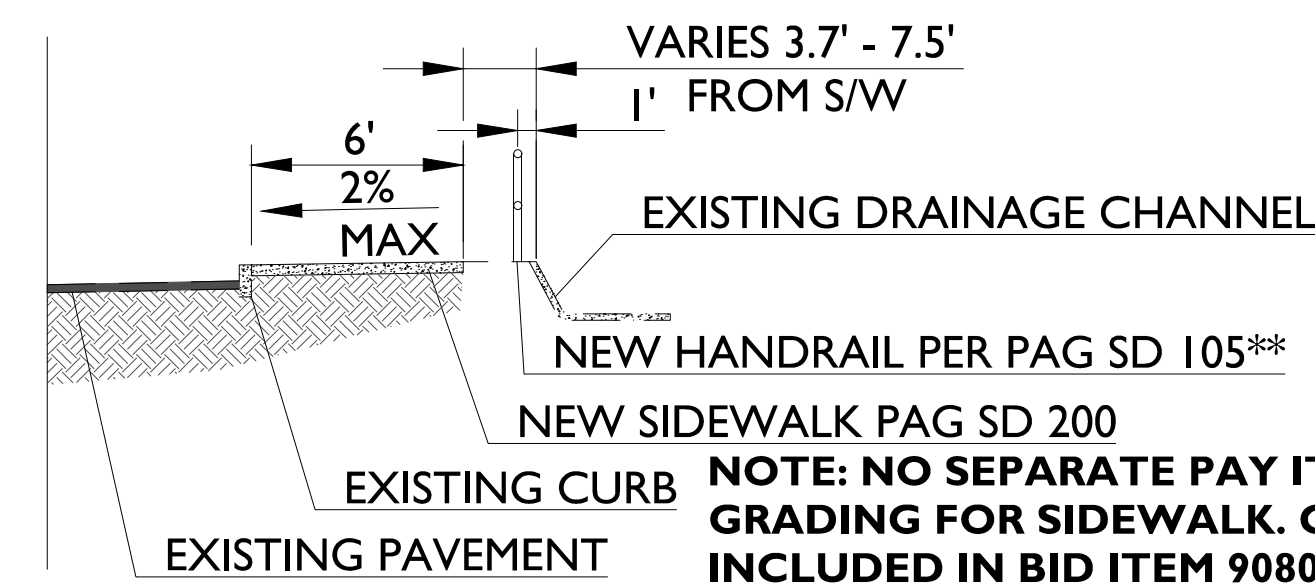
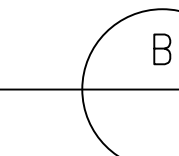
NEW SIDEWALK WITH CURBWAY SECTION
NOT TO SCALE



* CONTRACTOR TO LOWER GROUND BETWEEN EXISTING CURB AND NEW SIDEWALK LEAVING FINISH GRADE 3" BELOW TOP OF CURB/SIDEWALK. CURBWAYS TO BE FINISHED WITH 3/4" SCREENED APACHE RED DECOMPOSED GRANITE, MINIMUM 2" THICK.

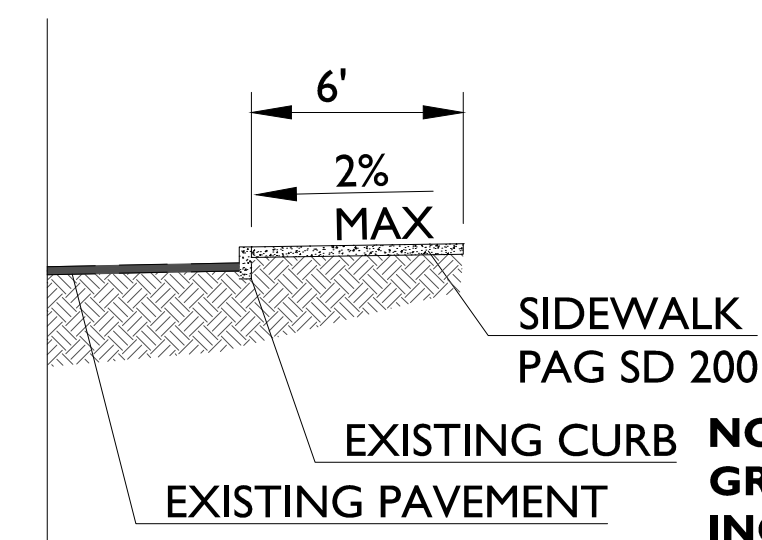
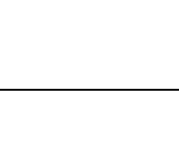
NOTE: NO SEPARATE PAY ITEM FOR GRADING FOR SIDEWALK. COST INCLUDED IN BID ITEM 9080201

NEW SIDEWALK-NEW HANDRAIL SECTION
NOT TO SCALE



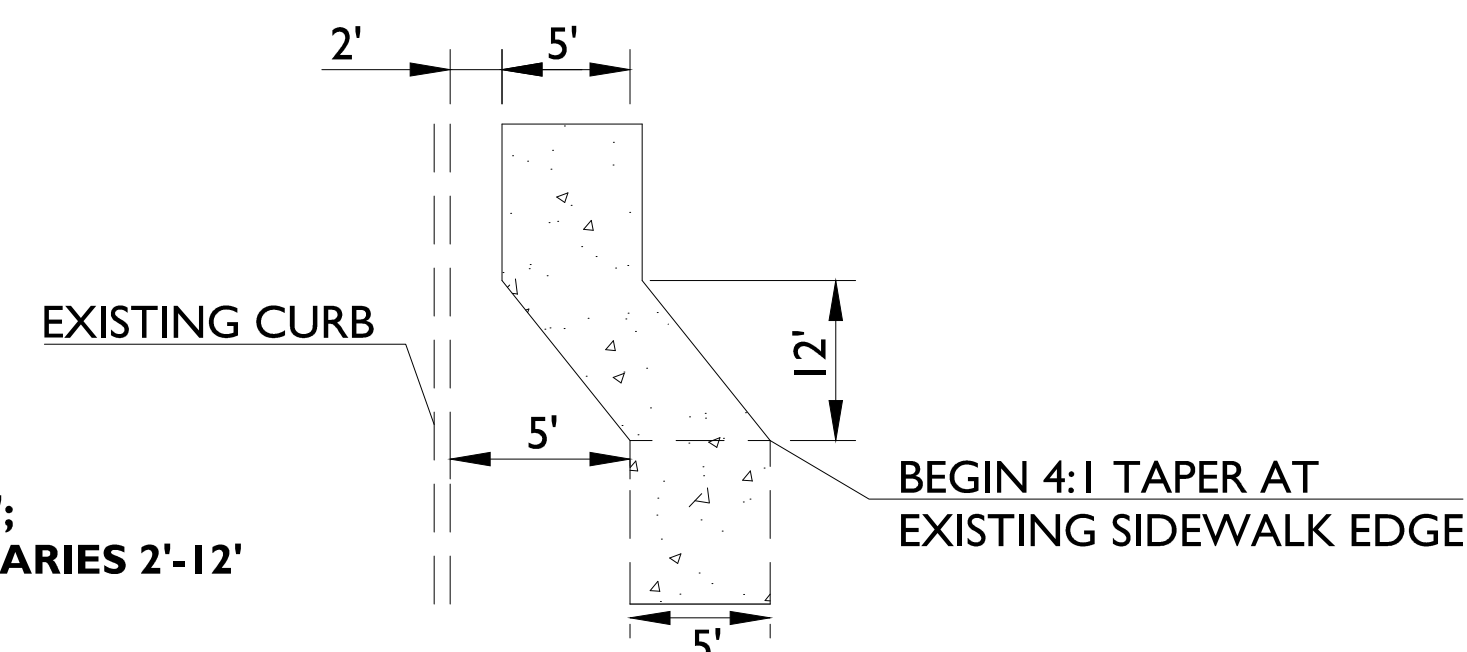
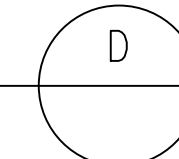
NOTE: NO SEPARATE PAY ITEM FOR GRADING FOR SIDEWALK. COST INCLUDED IN BID ITEM 9080201

NEW SIDEWALK-HANDRAIL SECTION
NOT TO SCALE

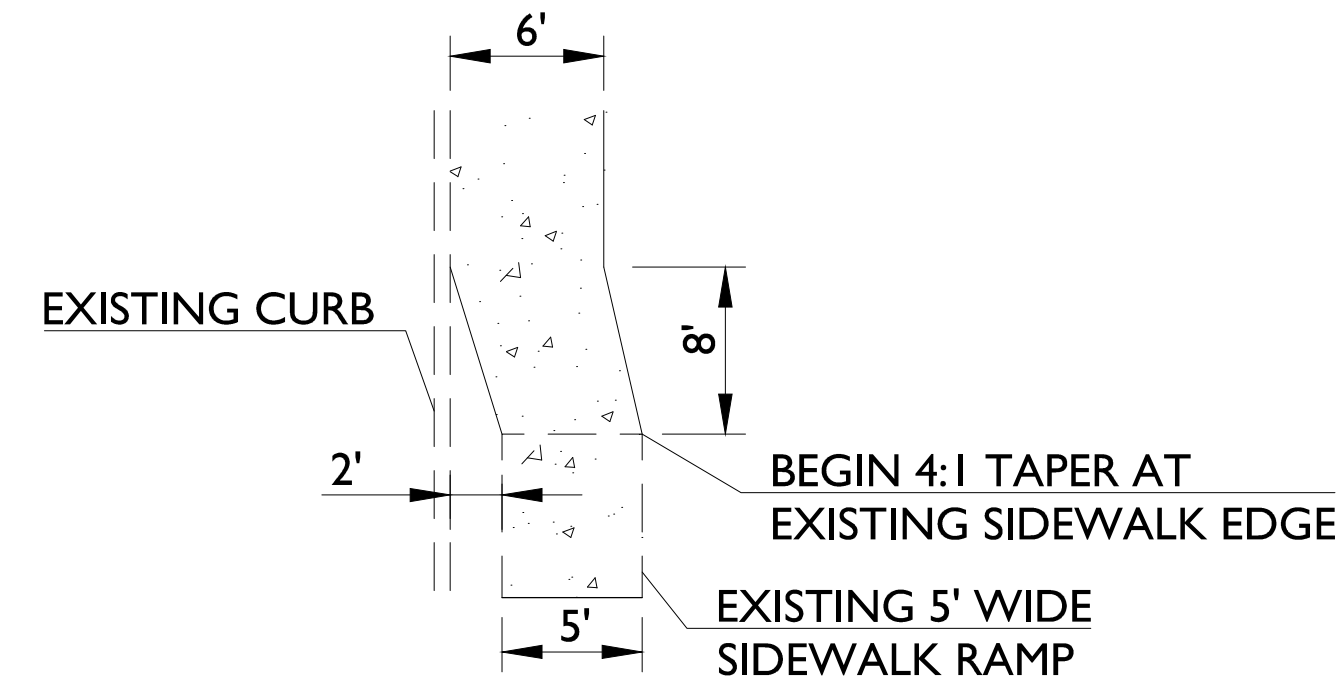
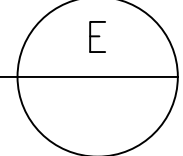


NOTE: NO SEPARATE PAY ITEM FOR GRADING FOR SIDEWALK. COST INCLUDED IN BID ITEM 9080201

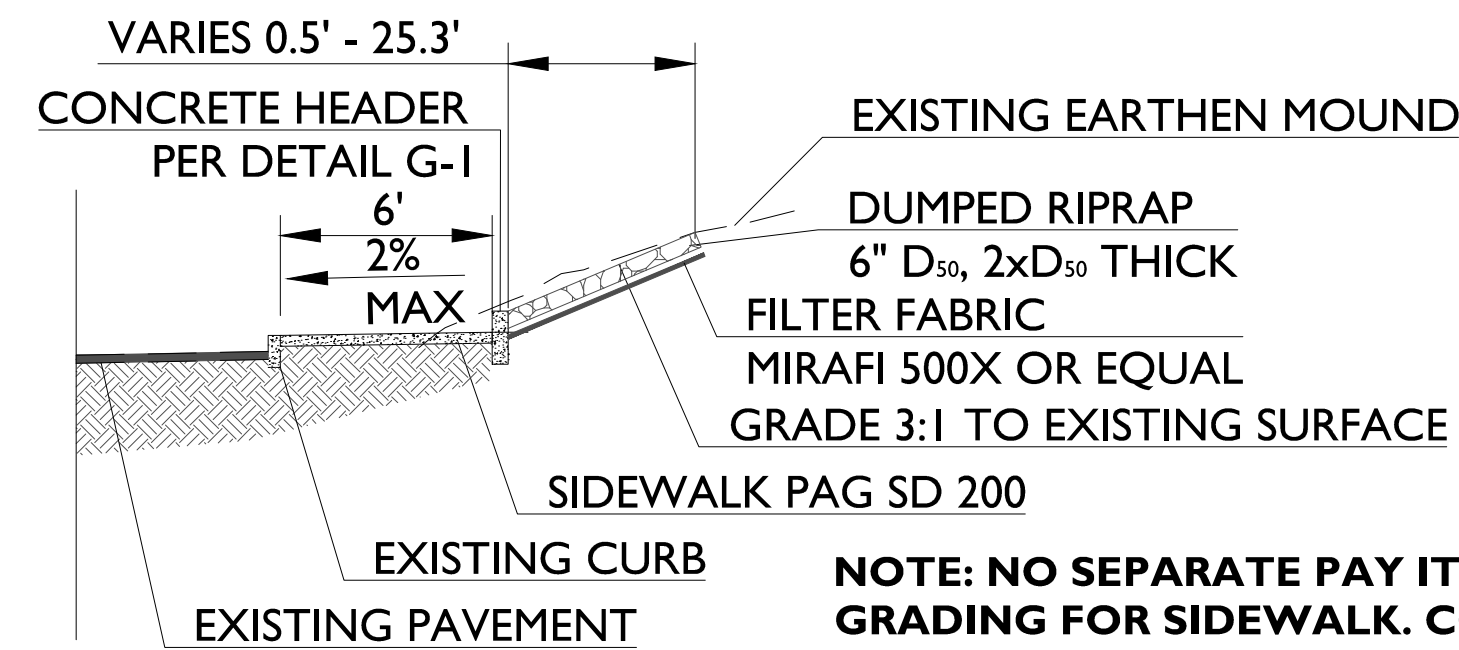
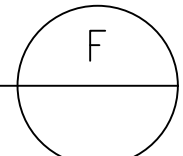
NEW SIDEWALK WITH OUT CURBWAY SECTION
NOT TO SCALE



SIDEWALK TAPER SECTION
NOT TO SCALE

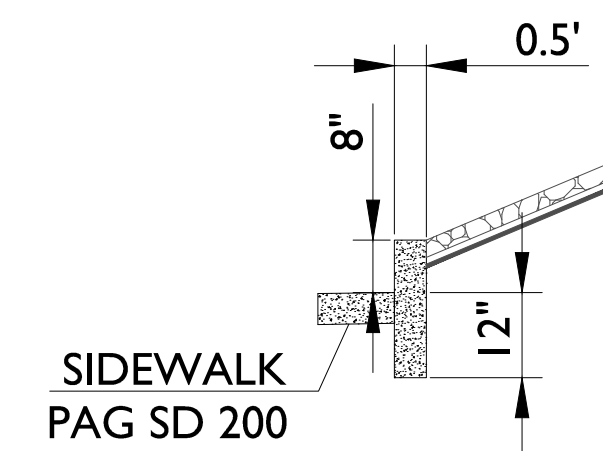
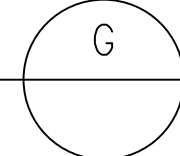


SIDEWALK TAPER SECTION
NOT TO SCALE

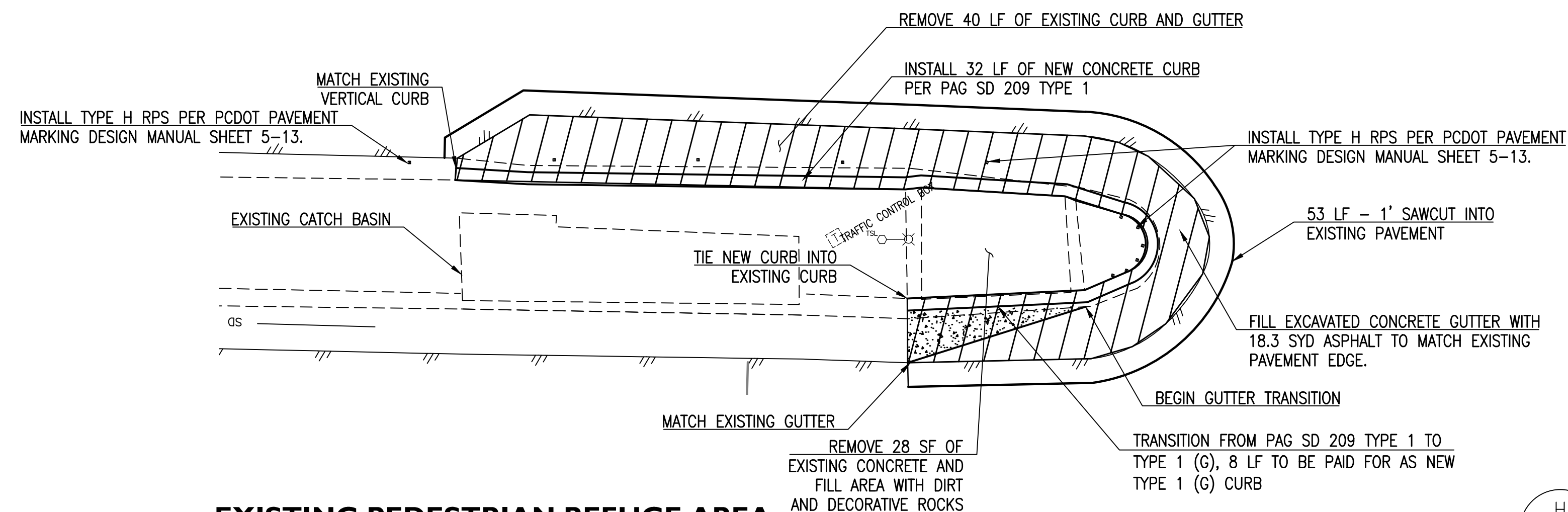
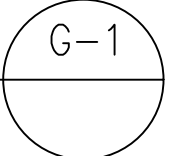


NOTE: NO SEPARATE PAY ITEM FOR GRADING FOR SIDEWALK. COST INCLUDED IN BID ITEM 9080201

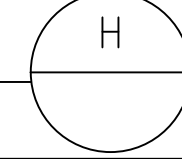
PROPOSED SIDEWALK-EARTHEN SLOPE CROSS SECTION
NOT TO SCALE



PROPOSED CONCRETE HEADER



EXISTING PEDESTRIAN REFUGE AREA
NOT TO SCALE



Revisions:

No.	Description

Call at least two full working days before you begin excavation.
ARIZONA
Professional Engineer
No. 34022
JEFFERSON D. STINE
DESIGNED 02/23/20
ARIZONA, U.S.A.

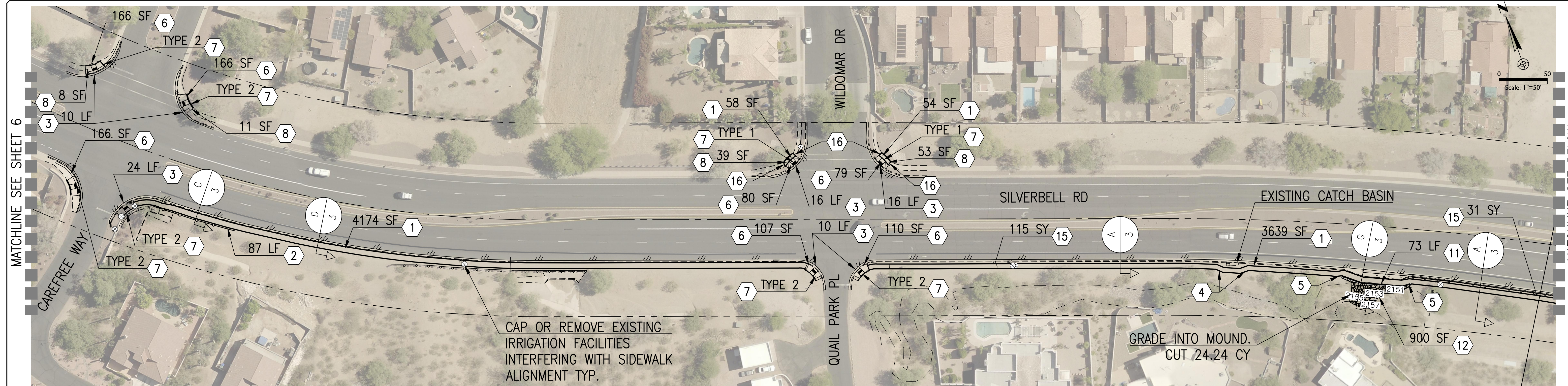
Designer: JS 03/20
Drawn by: CL 03/20



Job No.
15-229

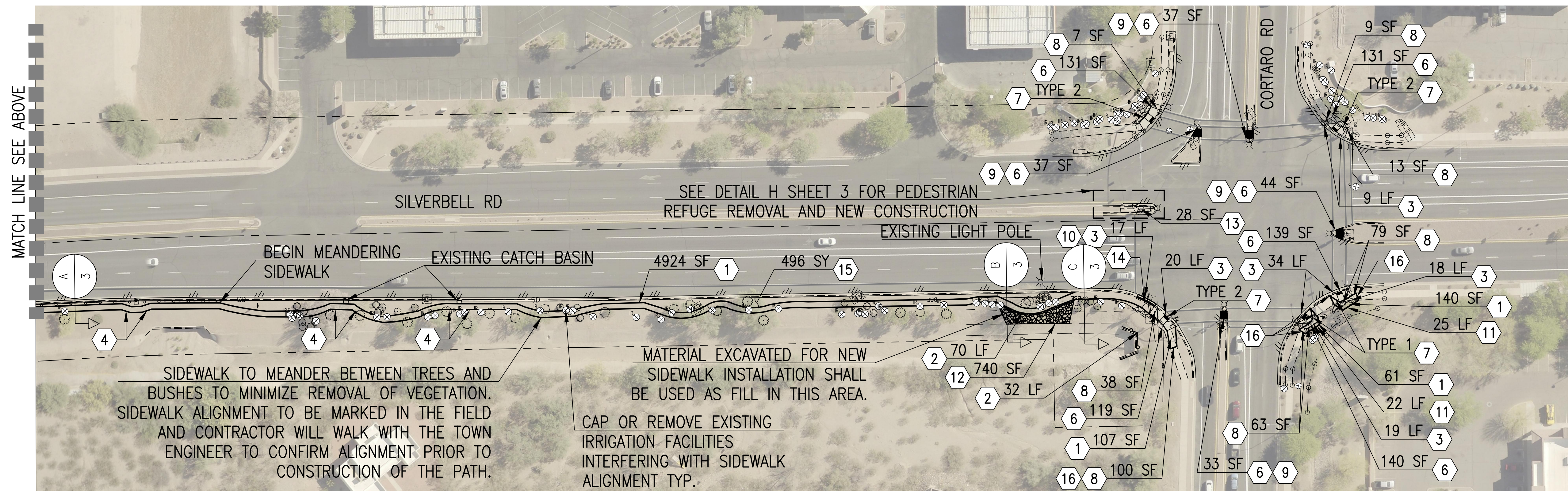
CI.2

Sheet No.
3
of 4



NEW SIDEWALK SEGMENT
CAREFREE WAY TO CORTARO RD

- ① NEW CONCRETE SIDEWALK PER PAG SD 200
- ② NEW HAND RAIL PER PAG SD 105
- ③ REMOVE EXISTING CURB
- ④ TAPER AREA SEE DETAIL E SHEET 3
- ⑤ TAPER AREA SEE DETAIL F SHEET 3
- ⑥ REMOVE EXISTING SIDEWALK RAMP
- ⑦ NEW SIDEWALK RAMP PER TOM SD 600-1 OR SD 600-2 AS INDICATED
- ⑧ REMOVE EXISTING SIDEWALK
- ⑨ NEW MEDIAN REFUGE AREA PER PAG SD 207, TYPE 1 - USE TEKWAY TERRACOTTA DETECTABLE WARNING PANEL BY STRONGGO INDUSTRIES
- ⑩ NEW CONCRETE CURB PER PAG SD 209, VERTICAL CURB-TYPE 1(G)
- ⑪ NEW 6" X 20" CONCRETE HEADER W/ 8" REVEAL
- ⑫ 1' THICK DUMPED RIPRAP W/ FILTER FABRIC
- ⑬ REMOVE EXISTING MEDIAN REFUGE AREA
- ⑭ RELOCATE EXISTING SIGN TO ATTACH TO EXISTING SIGNAL POLE PER PCDOT/COTDOT SIGNING STANDARDS SHEET 8-5
- ⑮ INSTALL 3/4" SCREENED APACHE RED DECOMPOSED GRANITE INSIDE CURBWAY, 2" THICK MIN
- ⑯ MATCH NEW SIDEWALK TO EXISTING SIDEWALK PER PAG SD 203



NEW SIDEWALK SEGMENT
CAREFREE WAY TO CORTARO RD

SIDEWALK TO MEANDER BETWEEN TREES AND BUSHES TO MINIMIZE REMOVAL OF VEGETATION. SIDEWALK ALIGNMENT TO BE MARKED IN THE FIELD AND CONTRACTOR WILL WALK WITH THE TOWN ENGINEER TO CONFIRM ALIGNMENT PRIOR TO CONSTRUCTION OF THE PATH.

MATERIAL EXCAVATED FOR NEW SIDEWALK INSTALLATION SHALL BE USED AS FILL IN THIS AREA.

CAP OR REMOVE EXISTING IRRIGATION FACILITIES INTERFERING WITH SIDEWALK ALIGNMENT TYP.

SEE DETAIL H SHEET 3 FOR PEDESTRIAN REFUGE REMOVAL AND NEW CONSTRUCTION

8710 N. Thornydale Rd, Suite 140
Tucson, AZ 85742
T:520.008.1400 | F:520.008.1403
www.epsgroup.com

EPS GROUP

SILVERBELL SIDEWALK INFILL - PHASE 2
MARANA, AZ
CONSTRUCTION PLAN

Revisions:

Call at least two full working days before you begin excavation.

ARIZONA

Professional Engineer
No. 34022
JEFFERSON D. STINE
DESIGNED 02/20/22
ARIZONA, U.S.A.

Job No.
15-229

Sheet No.
4 of 4